

केन्द्रीय आयुर्वेदीय अनुसंधान संस्थान CENTRAL AYURVEDA RESEARCH INSTITUTE

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वार्षिक प्रगति प्रतिवेदन ANNUAL PROGRESS REPORT 2024-25



केन्द्रीय आयुर्वेदीय विज्ञान अनुसंधान परिषद्
CENTRAL COUNCIL FOR RESEARCH IN AYURVEDIC SCIENCES
Ministry of Ayush, Govt. of India, New Delhi

**CENTRAL AYURVEDA RESEARCH INSTITUTE
BENGALURU**

ANNUAL PROGRESS REPORT 2024-25

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I. Administrative Report

1. Staff pattern for the year 2024-25 (01.04.2024 to 31.03.2025)

Sl. No.	Name of the sanctioned post	No. of posts Sanctioned	Name & Designation of the persons working against post.	No. of Posts Vacant	Sex M/F	Whether SC/ST O.B.C.	Remarks
1.	Asst. Director (Ay.)	01	Dr. Sulochana Bhat A.D. (Ay.) In charge	-	F	Neither	-
2.	Research Officer (Ay.)	06	Dr. Sanjay Kumar Giri R.O. (Ay.)	-	M	OBC	-
			Dr. Shashidhar H. Doddamani R.O. (Ay.)		M	OBC	-
			Dr. Shubhashree M.N. R.O. (Ay.)		F	Neither	-
			Dr. Raghavendra Naik R.O. (Ay.)		M	ST	Temporarily posted to BIS, New Delhi from November 2021
			Dr. Rajendra Kumar R.O. (Ay.)		M	Neither	-
			Dr. Bhavya B.M. R.O. (Ay.)	-	F	SC	-
3.	Research Officer (Path. -Medical)	01	Dr. Anchan Vidyashree Vittal, R.O. (Path.)	-	F	OBC	-
4.	Research Officer (Bio-Chem.)	01	Vacant	01	-	-	-
5.	Research Officer (Pharmacognosy)	01	Vacant	01	-	-	-
6.	Research Officer (Bot.)	01	Dr. V. Rama Rao R.O. (Bot.)	-	M	SC	-
7.	Assistant Research Officer (Chem.)	01	Vacant	01	-	-	-
8.	Assistant Research Officer (Pharmacognosy)	01	Vacant	01	-	-	-
9.	Research Assistant (Bot.)	02	Mrs. Nazneen R.A. (Bot.)	-1*	F	OBC	-
			Ms. R. Bhavana R.A. (Bot.)		F	Neither	-
			Mrs. Ritu Sinha R.A. (Bot.)		F	Neither	-
10.	Research Assistant (Chem.)	02	Mr. Suresh Kumar R.A (chem.)	01	M	OBC	-
11.	Sister-in-charge	01	Vacant	01	-	-	-

12.	Staff Nurse	03	Mr. Mallikarjun Neelavani, Staff Nurse	01	M	OBC	-
			Mr. Srinivas Iliger, Staff Nurse		M	Neither	
13.	Assistant	01	Vacant	01	-	-	-
14.	UDC	03	Vacant	03	-	-	-
15.	Stenographer Grade – I	01	Vacant	01	-	-	-
16.	Social Worker	01	Vacant	01	-	-	-
17.	Field Collector	01	Vacant	01	-	-	-
18.	Pharmacist Grade. I	02	Mr. Niloy Banerjee Pharmacist	00	M	Neither	-
			Mr. Suraj Kumar, Pharmacist		M	OBC	
19.	Lab. Technician	04	Mrs. G. Neetha M.L.T.	02	F	OBC	-
			Mrs. K. H. Hemavathi M.L.T.		F	Neither	-
20.	Lab. Assistant	01	Mr. A. Sathish Jr M.L.T.	-	M	SC	-
21.	LDC	03	Mrs. Jyothi. G. LDC	02	F	ST	-
22.	Lab Attendant	04	Mr. Delvin George Lab. Attendant	03	M	Neither	-
23.	Driver	01	Mr. H. Yathish Kumar Driver	-	M	ST	-
Multi-Task Staff (MTS) category							
24.	Attendant (Survey)	01	Vacant	01	-	-	-
25.	Cook	02	Vacant	02	-	-	-
26.	Field Attendant	02	Vacant	02	-	-	-
27.	Ward Aya	03	Vacant	03	-	-	-
28.	Chowkidar	03	Vacant	03	-	-	-
29.	Kitchen servant	01	Vacant	01	-	-	-
30.	Peon	03	Mr. J. Santhosh, MTS	02	M	OBC	-
31.	Safaiwala	03	Vacant	03	-	-	-
32.	Ward Boy	03	Vacant	03	-	-	-
	Total	64	24 (Filled)	41-1=40	-	-	-

*One RA (Botany) is surplus to the sanctioned posts.

1.1. Services for the following categories obtained on Direct/ contract basis (Outsourcing)

Sr. No.	Designation	Name	Remarks
1.	Office Assistant (OA)	Mr. M Girjavallabhan	Directly engaged, Ex-Employee
2.	Office Assistant	Mr. Mukundan K.V	Relieved on 06.06.2024
		Mr. Simon Jose	Directly engaged from 19.09.2024
3.	Office Assistant (Hindi)	Mrs. Rashmi Kulkarni	-
4.	Office Assistant	1. Mr. Girish. C 2. Mr. Chandranatha R.S. 3. Miss. Mahadevi 4. Miss. Girija	-
5.	Staff Nurse	Mr. Jagannath H.B	From 01.07.2024
6.	Laboratory Technician	Mr. Bharath V	
7.	Radiology Technician	Mr. Kishore Kumar Mr. Mohan Kumar N	Relieved on 31.10.2024 From 01.11.2024
8.	Panchakarma Technician	Miss Jasmina P.P	From 01.07.2024
9.	Panchakarma Attendant	Mrs. Pavithra	From 01.06.2024
10.	Ward Aaya	1. Smt. Nandini	From 01.07.2024
		2. Miss Kaveri	From 01.07.2024
		3. Smt. Anitha	From 01.07.2024
11.	Ward Boy	1. Sri. Sridhar Y	From 01.07.2024
		2. Dulkifly	From 26.07.2024
		3. Shri. Tarun V.P	From 01.07.2024
12.	Multi Tasking Attendant (MTA)	1. Mr. Sampath Kumar M	-
		2. Mr. Nagaraju	-
		3. Mr. Gangadharaiah	-
		4. Joydeb Malakar	Relieved on 28.02.2025
		5. Mr. J. Uday	Relieved on 25.07.2024
		6. Mr. Sagar	-
		7. Miss. Usha	Relieved on 31.10.2024
		8. Mr. Shivashankar N	-
		9. Mr. Vinay N.R	Relieved on 30.11.2024
		10. Mr. Nandi N	Relieved on 28.02.2025
		11. Mrs. Sangeetha	Relieved on 28.02.2025
		12. Miss. Anushree	-
		13. Miss. Poornima	From 01.03.2025

2. No. of staff according to group as on 31.03.2024:

Sr. No.	Group	General	SC	ST	OBC	Others	Total	Whether roster maintained or not
1.	A	3	2	1	3	-	9	Appointments made by HQ. Office
2.	B	3	-	-	3	-	6	
3.	C	3	1	2	3	-	9	Being maintained by institute
Total		9	3	3	9	-	24	-

3. Expenditure

Sr. No.	Component	S.T. Category	Others	Total
1.	Male component	27,23,540.00	1,85,10,088.00	2,12,33,628.00
2.	Female component	5,00,530.00	1,67,30,455.00	1,72,30,985.00
Total		32,24,070.00	3,52,40,543.00	3,84,64,613.00

4. Brief reports on the Institute including infrastructure.

Central Ayurveda Research Institute (CARI), Bengaluru under Central Council for Research in Ayurvedic Sciences (CCRAS), Ministry of Ayush, Govt. of India, has been functioning in Bengaluru since 1971. The CARI, shifted from a state government building to its own campus in 2019 is rendering clinical services through NABH certified hospital and NABL accredited Laboratory. The institute provides health care to the patients at outpatient, inpatient, outreach level and through tele-medicine. The facilities at the hospital include preventive, curative, rehabilitative medical care, dispensing of free Ayurveda medicines, Panchakarma, Shalya & Marma Chikitsa, Shalakya (Eye & ENT), Yoga, De-addiction & Manasa Roga, laboratory investigations (routine pathological & biochemical), USG, Color Doppler Study, X-Ray, ECG etc. An electrical buggy (donated by KNR foundation, Bengaluru) and an ambulance (purchased under Center of Excellence scheme) are available for the transportation of patients.

The Administrative Block consists of Office, Meeting Hall with Video Conferencing set up, Seminar Hall, Plant Museum, Food Laboratory, Library, Store, Pharmacognosy, Chemistry & Botany section. Since beginning, the institute has been actively participating in achieving targets according to the allotted programs. The scientists are from diverse disciplines working with a focused aim of scientific validation of Ayurveda.

Currently, there are about 23 active MoUs with reputed organisations such as Indian Institute of Science (IISc), Bengaluru; NIMHANS Bengaluru; Bangalore Medical College; ICMR - National Institute of Traditional Medicine Belagavi; CSIR-Central Food Technological Research Institute (CFTRI) Mysuru; ICAR-Indian Institute of Horticultural Research Bengaluru; University of Agricultural Sciences, GKVK Bengaluru; Jawaharlal Nehru Medical College Belagavi; TDU Bengaluru; Samatvam Endocrinology Centre; Prayoga Bengaluru; KLE Belagavi; State Ayush Department, Karnataka, Interactive Research School for Health Affairs (IRSHA), Pune; Centre for Incubation, Innovation, Research and

Consultancy (CIIRC), Bengaluru; Government Ayurveda Research Center (GARC) Mysore; Nagpur Veterinary College, Nagpur; SDM College of Ayurveda, Hassan; Rajarajeshwari Medical College, Bengaluru; Adichunchanagiri Ayurvedic Medical College & Hospital Research Centre, Bengaluru; Sri Sri College of Ayurvedic Science and Research, Bengaluru; VPSV Ayurveda College, Kottakkal; Datta Meghe Institute of Higher Education & Research (DMIHER), Wardha Dayananda Sagar Academy of Technology & Management (DASTM), Bengaluru. CARI Bengaluru is the first ever CCRAS institute in the recent time to get a clinical project funded from ICMR new Delhi collaborated through ICMR-NITM Belagavi (Triphala in Obesity).

CARI, Bengaluru is the first ever CCRAS institute to mobilize corporate funding from the year 2021 onwards. Several useful instruments/equipments such as Smart TVs, laptop, computers, buggy, etc. were provided by the philanthropic organizations. During the current year, an X-ray machine amounting to Rs.9 lakhs was donated by ICICI foundation.

Since inception, the institute has 487 scientific publications and abstracts, 9 monographs, 8 book reviews, 1423 presentations and participations and has got 3 gold medals, 4 best research papers and received incentives for two best publications. During the reporting year, scientists from CARI have published 12 research articles in national and international journals and 15 are in pipeline. Four publications are in Pubmed/Scopus/Web of Science indexed journals. The institute received 391 citations for papers published in the preceding three financial years. Officers participated in 108 seminars, webinars, conferences, meetings, and hands-on training. The reference library hosts 2073 books, important scientific journals and CCRAS publications for sale.

Presently there are 24 regular employees working at CARI, Bengaluru against the 64 sanctioned posts. There are 13 permanent scientists including head of institute, 21 contractual researchers and 106 overall staff. Total 5 scientists and 18 contractual research staff at the institute are young women scientists and researchers. All these women/young scientists have undergone capacity building trainings during the reporting period.

The institute received Rs. 12.48 Cr from CCRAS headquarters, of which 4.66 Cr was spent on R&D (IMR/EMR/Collaborative projects/Outreach) activities. The institute got Rs. 1.01 Cr. from Ministry of Ayush for Centre of Excellence (CoE) for Diabetes. The institute generated Rs. 42,53,336 (Rupees forty-two lakh fifty-three thousand three hundred and thirty-six only) revenue in the reporting year. The Clinical Research Unit has generated Rs. 39,26,973 (Rupees thirty-nine lakh twenty-six thousand nine hundred and seventy-three only) from OPD registration, IPD admission charge, Panchakarma procedures, Minor OT, laboratory investigations including X-Ray, ECG, USG. The Survey of Medicinal Plants Unit has generated Rs. 1,82,000/- (Rupees one lakh eighty-two thousand only) through crude drug authentication and sale of medicinal plants. DSRU has generated revenue of Rs. 29,800 (Rupees twenty-nine thousand and eight hundred only). Rs 41,491 (Rupees forty-one thousand and four hundred ninety only) was generated by other means like sale of books, CCRAS publications and other articles etc. Rs. 13,000 (Rupees thirteen thousand only) was generated

from tender processing fees. Rs. 60,072 (Rupees sixty-nine thousand and seventy-two only) was generated from interest earned from Bank. Rs. 14.94 Lakhs were unutilized and returned.

A static bilingual website www.cari.gov.in is fully functional with the total impressions of 1,86,683 during the reporting period and 2,39,689 population was covered under e-healthcare initiatives. The website follows all security protocols as mandated by the Government of India. The institute also has a YouTube channel, Facebook, X account for creating awareness about various aspects of health and to disseminate various activities and achievements of CARI/CCRAS/Ministry of Ayush.

In this reporting year, the institute upgraded itself by initiating various new facilities/services like 28-bedded In-Patient Department (IPD), Ultrasonography (USG), X-Ray (donated by ICICI foundation) and Echocardiography (ECG).

Honourable Prime Minister Shri Narendra Modiji digitally launched Centre of Excellence (CoE) in Ayurveda for Diabetes & Metabolic Disorders, sponsored by Ministry of Ayush, Govt. of India at Indian Institute of Science (IISc), Bengaluru in collaboration with the CARI Bengaluru on 29th October 2024 coinciding with 9th National Ayurveda Day.

CARI, Bengaluru has been recognized as Ph.D. centre from Datta Megha Institute of Higher Education and Research (DMIHER), Sawangi, Wardha, Maharashtra and Post-doctoral research centre from Dayananda Sagar Academy of Technology and Management (DSATM), Bengaluru. The application for Ph.D. centre in Botany has been submitted to Bangalore University under “Centre for Specialized Studies”. Total 3 PhDs students are getting guidance by the institute through collaboration with a DIMHER. One post doctoral fellowship are also under guidance by the institute.

Inspection by National Board of Hospitals & Healthcare Providers (NABH) was conducted to upgrade & renew the certification of the institute as Ayush Hospital. The NABH has granted renewal of certification under AELC certification programme as Ayush Hospital till Jan 4, 2027. The Surveillance inspection by National Accreditation Board for Testing and Calibration Laboratories (NABL) to monitor the compliance of clinical laboratory of the institute also happened during the reporting period. Food Safety & Standards Authority of India (FSSAI) certification was received in the name of canteen vendor of the institute.

Several activities including a press meet was conducted at Bengaluru Press Club to disseminate information about 100 days of achievement of Ministry of Ayush. All the officers of CARI Bengaluru addressed media regarding activities of Ministry of Ayush, CCRAS & CARI Bengaluru. Wide coverage of the event was given by national print and digital media including Doordarshan.

Two publications namely Siddha Nagarjuneeyam and Rasa Shastra Evam Rasa Grantha from a manuscript project of CARI Bengaluru were released during Avalokana at Jaipur on 21st March 2025. CCRAS publication policy with Sulochana Bhat, Incharge, CARI Bengaluru as the main author was also released. The institute has provided content for drafting of Standard Treatment Guidelines (STGs) for various metabolic disorders including Diabetes Mellitus,

Obesity, Dyslipidemia & Gout. The institute has also contributed a chapter on Intellectual Property Rights for proposed book of Research Methodology by CCRAS.

The institute has got approval from Ministry of Ayush, Govt. of India to establish an incubation centre titled as Ayurveda Sciences Incubation Centre (ASIC) under Startup Incubation through Ayush Institution scheme for supporting 20 startups in the field of Ayurveda with innovative product or service business idea.

The Regional Implementation Office (Official Language), South Region, Bengaluru has inspected the office on 26.03.25 to monitor the implementation of provision of official language in official work. The e-inspection of the institute by Hindi Section of CCRAS Headquarters was also conducted on 10.02.2025. Both the authorities appreciated the institute for its work.

The institute has organized various national level workshops and training programmes viz- conference on Pharmacovigilance, Pharmacovigilance awareness programmes in seven Ayush colleges, Investigators and Project Personnels' Training for Good Clinical Practice and Public Health Research Programme, Publication weeks, Research Methodology & Diabetes Management training to twelve batches of college students and four workshops on *Rajbhasha* Hindi were also conducted by the institute. Total 5 scientists and 5 project staff from the institute were deputed to provide training at various institutes across Karnataka. Total 15 skill development programmes were conducted by the institute including 4 workshops, 10 capacity building programmes, 1 Continuing Medical Education (CME). A total of 490 beneficiaries attended skill development trainings organized by the institute. The institute has been providing training to BAMS & MBBS internees.

A 100-days campaign for Tuberculosis (TB) elimination was conducted from December 2024 to March 2025. The institute also conducted seven Free medical camp & geriatric health camp at Ayushmaan Mandir in collaboration with Government of Karnataka at Somanahalli, Bengaluru.

CARI Bengaluru also organized World Environment day, International Yoga day, Blood Donation day, Organ Donation day, Constitution day, Janjatiya Gaurav divas, World Sickle Cell Anemia Awareness day, Patient Rights day, World Patient Safety day, Ayurveda day, Hindi Pakhwada, Hindi Diwas, National Ayush programmes like Poshana Maah, Swachata Abhiyan, Vigilance awareness week, etc.

Under Swachta hi Seva 2024 campaign, the institute organized various activities including awareness programme on Sanitation, Solid Waste Management and Bio Medical Waste management ensuring safe and environmental friendly disposal. Swachta pledge was taken by the all the staff of the institute. Institute is a plastic free zone and inview of the environmental protection, unnecessary use of chemicals and disposable items are strictly avoided.

The institute was part of 'Desh Ka Prakriti Parikshan Abhiyan' by enrolling 600 volunteers in association with National Commission of Indian System of Medicine (NCISM),

Ministry of Ayush, Govt. of India, Councils of Scientific & Industrial Research (CSIR), Institute of Genomics & Integrative Biology (IGIB). CARI Bengaluru provided Prakriti training through CCRAS Ayur Prakriti Web Portal to faculty members of various ayurvedic colleges of Karnataka namely- Shri BMK Ayurveda Mahavidyalaya, KLE, Belgaum; Rajiv Gandhi Education Society's Ayurvedic Medical College & Hospital (RGESAMCH), Ron; Sri Sri College of Ayurvedic Science and Research, Bengaluru; Shri Jagadguru Gavisiddheshwara Ayurvedic Medical College, Koppal; JSS Ayurvedic Medical College & Hospital, Mysore; SDM College of Ayurveda, Udupi; SDM Institute of Ayurveda & Hospital, Bengaluru.

CARI, Bengaluru distributed Ayurvedic prophylactic medicines like Samshamana vati, Ashwagandha Ghana Vati along with health advisory materials to OPD patients. Free distribution of these medicines to Ayurveda colleges of Karnataka were also done for the promotion of Ayurveda & popularizing CARI Bengaluru, CCRAS, Ministry of Ayush.

Since inception, the Clinical Research Unit (CRU) of the institute has served 4,85,366 patients. During the reporting period 45,093 patients (41,320 at CARI Campus Kanakapura Road, 3,129 at Clinical Section Balepete & 644 at NAL OPD) have been benefited. During reporting period, average patient footfall was 150 patients per day. As a part of special medical services, 9,269 geriatric patients, 415 patients with flu like illness were treated. Total 21,687 Panchakarma procedures were performed including 10,070 males and 11,617 females. Total 1,22,084 clinical laboratory investigations were conducted. Total 630 patients (Male-301 & Female-329) admitted in the IPD during reporting period and yearly bed occupancy was 84.38%. In addition to this, the institute also organized 7 Health camps for the needy public.

Since inception, clinical research projects on Kuposhana (Malnutrition), Arsha (Haemorrhoids), Manodwega (Anxiety neurosis), Tamakashwasa (Bronchial Asthma), VyanabalaVaishmya (Hypertension), Pandu (Iron deficiency Anemia) have been completed. Further, collection of information about claims of prevention and treatment of Vector Borne Diseases, Flu like illness and Pharmacovigilance studies on Ayurvedic medicines have been completed. Intramural Clinical Research Projects (IMCRP) on Rasayana (Aswagandhavalehya and Brahma Rasayana in geriatrics), Kashtartava (Dysmenorrhoea), Sthaulya (Obesity), Osteoarthritis Knee, Rasayana effect of Chyavanaprasha, Osteoporosis, Bronchial Asthma, Gridhrasi, Rasaushadhis, KAP study on Diabetes Mellitus, AYSUH-D in Pre-Diabetes and Type 2 Diabetes Mellitus, Dengue, Breast cancer, Medoroga (Obesity), Non Alcoholic Fatty Liver Disease (NAFLD), Health care seeking behavior, Ayurveda based community health care approach, Subclinical Hypothyroidism have been completed.

Total seven projects were completed under Centre of Excellence (CoE) for Diabetes viz- Evaluation of anti-diabetic efficacy of four selected classical Ayurvedic poly-herbal formulations in Type-2 Diabetes Mellitus – A randomized pilot study; Clinical evaluation of anti-diabetic efficacy of 'Kaphaja Pramehahara Yoga, an Ayurveda poly-herbal formulations in Pre-diabetes – A pilot study; A pilot study to evaluate the role of Yoga capsule as add-on in reducing Serum Glucose levels in diabetes; A Cross-sectional study of Knowledge, Attitude and Practice related to Madhumeha (Diabetes); Knowledge, Attitude and Practices related to Madhumeha (Diabetes); Development of predictive system for diagnosing the risk of Diabetes

using machine learning techniques; Preclinical study of four antidiabetic formulations in high fat diet along with low dose of Streptozotocin induced diabetes in Wistar rats.

During the reporting period, the Clinical Research Unit (CRU) has completed 8 research Projects viz.- Evaluation of AYUSH-GMH in the subjects of mild to moderate non-alcoholic fatty liver disease (NAFLD) - A Double-Blind Randomized control clinical study; Morbidity and Healthcare-seeking behaviour of the patients visiting the Ayurveda healthcare facilities of the DGAFMS Hospitals: A multicentre cross-sectional survey study Double-Blind Randomized control clinical study; Clinical Evaluation of LekhaniyaGana Kashaya and Arogyavardhini Gutika in the Management of Medoroga (Obesity); A Randomized, Placebo-controlled, Double-blind Clinical Trial to Evaluate the Effect of Trikatu in Subclinical Hypothyroidism; Assessment of acceptability of the comprehensive Ayurveda-based health care approach in the tribal community and effectiveness of individualized health care - Cluster randomized study under THCRP 2024-25; Acceptability of the comprehensive Ayurveda-based health care approach in the community and effectiveness of individualized health care - Cluster randomized study under SCSP 2024-25. Out of these eight projects, extension was sought for only one project. Total 2 project reports prepared and submitted by the institute.

Efficacy and safety of Ayurveda Formulation ‘Trikatu’ in Dyslipidemia-A Prospective Randomized Double Blind Placebo Controlled Trial; A cross-sectional survey to explore the association of Prakriti with Diabetic Retinopathy; Management of Autism Spectrum Disorder in children through a comprehensive Ayurveda approach as an add-on to conventional therapy - A randomized control clinical trial; Documentation of Prescription Trends in Osteoarthritis by Ayurveda Physicians—A Retrospective Analysis; Study and documentation of plant raw drugs for substitution & adulteration in the markets of South India (Karnataka, Kerala, Tamil Nadu, Andhra Pradesh, Telangana); Documentation of Wild Edible and Medicinal Plants available in different markets of southern part of Western Ghats in Karnataka State of Karnataka; Documentation of Life profiles of Admirable Personalities to transform Ayurveda-2024 (APTA) are seven ongoing Intra Mural Research (IMR) projects in the institute.

Total four projects are ongoing under Centre of Excellence (CoE) for Diabetes viz- Evaluation of bio-availability of Varadi and Mustadi ghana vati in healthy volunteers – A cross-over randomized clinical trial; Occurrence of diabetic peripheral neuropathy and its relationship with Prakriti among type-2; Evaluation of two ready-to-cook dietary supplements for its anti-diabetic property in patients of type-2 diabetes mellitus -A Randomized control trial; Safety and efficacy of Mustadi ghana vati and Varadi ghana vati in Madhumeha/ type-2 diabetes mellitus: An open labelled randomized controlled active comparator (Metformin) Phase-II study.

CARI is executing thirteen Multi Centric/Collaborative Clinical Research Projects (MCCR)- viz- Evaluation of Hepatoprotective activity of PTK as an add on therapy in the patients of Tuberculosis on ATT – A, Double Blind Randomized control clinical study; Evaluating the efficacy of Ayurvedic intervention as add on to conventional treatment and explore the interaction of Epigenetics, Neuro/gut biomarkers and Neuroimaging in Pediatric ADHD (Attention Deficit Hyperactivity Disorder); Ayurveda therapeutic regimen as on Add-

on to optimized conventional management of Parkinson's disease: An RCT for assessment of Clinical, Cortical excitability, Neuroimmune and Autonomic function parameters; A multi-centre study to assess the treatment adherence and tolerability of Ayush SR in Generalized Anxiety Disorder (GAD) under SMART Programme; Systems biology approach to delineate molecular signatures of Prakriti in healthy humans; A Comparative study to evaluate the efficacy and safety of Ayurvedic Intervention in Insomnia disorder among the elderly – A prospective randomized open- label study; Efficacy and safety of Arjuna [*Terminalia arjuna* (Roxb.Wight & Arn)] as an adjunct to standard care in Atherogenic Dyslipidemia- A randomized double-blind placebo-controlled study; General health screening with special focus on Tuberculosis, Anemia, Haemoglobinopathies & Malnutrition and Ayurvedic Interventions for better health outcomes in students of Ekalavya Model Residential Schools (EMRS) functioning under M/o Tribal Affairs; Formulation and product development of Ayurveda recipes and nutritional evaluation of selected products; Documentation of Traditional food recipes of Karnataka and their validation with Ayurveda and nutritional perspective; Elucidating mechanisms of anti-hyperglycemic activity of selected herbal formulations; Comparative evaluation of field and hydroponic cultivation of selected Ayurvedic medicinal plants; Seasonal variation on bioactive compounds of Panchavalkal-05 medicinal plants used in Ayurveda.

One collaborative project is ongoing under Centre of Excellence (CoE) for Diabetes-A Randomized active comparator controlled clinical trial of selected Ayurvedic formulations in Pre-Diabetes and Type 2 Diabetes in collaboration with Indian Institute of Science (IISc), Bengaluru. One project “Evaluation of Triphala as an Add-on Intervention for Sustained Weight Loss in Overweight and Obesity: A Randomized Placebo-Controlled Clinical Trial” funded by Indian Council of Medical Research (ICMR) is also ongoing in the institute.

Total three projects are sanctioned but yet to be initiated viz- Ayurveda Sciences Incubation Centre (ASIC) under Startup Incubation through Ayush Institution scheme; A Double Blind Double Dummy Prospective Randomized Controlled Study to evaluate the efficacy of classical Ayurveda Management versus Methotrexate in Rheumatoid Arthritis Version-2.0 (AMRA 2.0 Study); Efficacy of Ayurveda Coded formulation Ayush D in the management of Type 2 Diabetes Mellitus- A prospective multicentre randomized double blind placebo controlled clinical trial.

Total five projects were approved by Project Evaluation and Monitoring Committee (PEMC) include- Safety, Efficacy, Acceptability & Tolerability of Maggot Debridement Therapy in Madhumehajanya Vrana w.s.r. to Diabetic Foot Ulcer: A Randomized Controlled Pilot Clinical Trial; A Clinical Consensus study for developing the practice guidelines and Standardization of Tarpana & Putapaka with a Feasibility study in Myopia; Survey and Documentation on Netra Kriyakalpa among registered Ayurveda practitioners across India; Safety & Efficacy of Integrative Ayurvedic Intervention in the management of Mild Cognitive Impairment (MCI) (Smritibhramsa) – A Randomized Controlled Clinical Trial; Medico Ethno Botanical Survey of Nallamala forests located in the states of Andhra Pradesh and Telangana.

Other ten proposed IMR/collaborative projects viz.-Evaluation of efficacy of usual care Ayurveda interventions and treatment as usual in elderly participants with knee Osteoarthritis for improving functionality and quality of life - Pragmatic trial. Evaluating Safety and Efficacy of Integrative Ayurveda and Yoga Intervention as add-on therapy in Geriatric depression; Evaluation of Effect of Ayurvedic Interventions in the Management of Refractive changes Associated with Diabetes: A Randomized Double Blinded Placebo Controlled Clinical Trial; A Clinical Study to assess the safety and efficacy of ‘Vayasthapana Gana’ Ghana Vati on Ageing; Prospective clinical trial to assess the efficacy, compatibility and tolerability of Millets in Samsarjana Project; A Randomized clinical study to evaluate the safety and efficacy of AYUSH-82 Ayurvedic formulation on non-Chronic Type 2 Diabetes Mellitus and its Bio-Molecular evaluation; A prospective randomized double blind clinical trial to assess the efficacy and safety of *Arjunarista* and *Navaka guggulu* in Dyslipidemia as a preventive measure for vascular disorders; Randomized Controlled Trial to evaluate the efficacy of Gandha Thaila and Kukkutanda tvak Bhasma as add on to standard care in the management of Osteopenia/Osteoporosis (Submitted to ICMR); A Study on the effect of ‘Achara Rasayana’ and ‘Amalaki Rasayana’ on enhancing; Behavioral and Immunological Health” through Ayurvedic holistic approach (Submitted to IKS); Development of Quality Standards for Useful Parts of Selected Medicinal Plants of Ayurveda.

Under Medicinal Plants Research, two collaborative projects namely “Comparative Evaluation of field and hydroponic cultivation of selected Ayurvedic Medicinal Plants” with ICAR-Indian Institute of Horticultural Research (IIHR), Hesaraghatta, Bengaluru; and “Study of seasonal variation on Bioactive Compounds of Panchavalkal-05 Medicinal Plants used in Ayurveda” with University of Agricultural Sciences, GKVK, Bengaluru. Two IMR projects viz. “Study and documentation of plant raw drugs for Substitution and Adulteration in the markets of South India (Karnataka, Kerala, Tamil Nadu, Andhra Pradesh & Telangana)” and Documentation of Wild Edible and Medicinal Plants in different markets of southern part of Western Ghats in Karnataka State” were initiated during the reporting period. Sanction received for an IMR project on “Medico Ethno Botanical Survey of Nallamala forests located in the Andhra Pradesh and Telangana” in March 2025. About 388.5 kg fresh crude samples have been collected and after drying about 316 kg material supplied to various IMR/Collaborative research projects of CCRAS during the reporting year. Total 783 botanical samples have been identified and authentication certificates are issued for academic/research students.

During the reporting period, important marker compounds and other required chemicals were procured. Total 285 samples were analyzed using HPTLC, physicochemical constant values determination, phytochemical screening and powder microscopy. Total 700 students in separate batches from various Institutions of Ayurveda, undergraduate students of KIMS Medical College, Bengaluru and other visitors/ stakeholders were imparted training about various activities performed in the DSRU.

Besides, the Institute has conducted outreach activities viz.- Tribal Health Care Research Project (THCRP), Ayurveda Mobile Health Care Project (AMHCP)- Scheduled

Caste Sub Plan (SCSP) and Ekalavya Model Residential Schools (EMRS) with public health orientation. The institute also took part in organizing the free health camps and distributed medicine to the needy public.

During the reporting period, under Tribal Health Care Research Project (THCRP), 205 tours were conducted at 24 villages of 4 clusters. Total 50 tribal population have been surveyed and 5,730 patients were treated. Total 3933 lab investigations were performed. 11 folklore claims were documented and validated. Assessment of acceptability of the comprehensive Ayurveda-based health care approach in the tribal community and effectiveness of individualized health care - Cluster randomized study under THCRP 2024-25 was completed.

Under Ayurveda Mobile Health Care Project-SCSP (Scheduled Caste Sub Plan), a total of 480 population were surveyed and 4236 patients were treated in the selected 4 clusters comprising of 8 areas/pockets. 7144 investigations were conducted during the reporting year 2024-25. A total of 177 awareness activities were conducted under the project and 20 focus camps were conducted on various diseases. Acceptability of the comprehensive Ayurveda-based health care approach in the community and effectiveness of individualized health care - Cluster randomized study under SCSP 2024-25 was completed.

Ministry of Ayush, in collaboration with Ministry of Tribal Affairs & Indian Council of Medical Research- National Institute for Research in Tribal Health (ICMR-NIRTH), Jabalpur has jointly initiated the screening of Ekalavya Model Residential Schools (EMRS) students with special focus on Tuberculosis, Anemia, Haemoglobinopathies & Malnutrition and Ayurvedic Interventions for better health outcomes in students. Under this programme, 766 students from 2 allotted schools (Mangala, Chamarajanagar District and Gangannagari Palli, Kolar District) were screened.

The National Pharmacovigilance Program is also continuing under Ayush Oushadhi Gunvatta Evam Utpadan Samvardhan Yojana (AOGUSY), Central Sector Scheme, Ministry of Ayush. Awareness regarding pharmacovigilance is being created under this program. Total 101 Misleading Advertisements, and 12 Adverse Drug Reactions (ADR) were reported. Total twenty two awareness programs were conducted at various Ayush colleges and one at CARI Bengaluru.

CARI is the only institute under CCRAS to get the scheme of Centre of Excellence [for Research and Clinical services in Madhumeha (Diabetes mellitus)] by Ministry of Ayush with a total fund of Rs.7,24,80,400/- for five years.

Under the scheme, a specialized OPD for patients of Madhumeha (Diabetes) is functional where patients are provided with free consultation, medicines, and laboratory investigations. The specialized OPD has catered to 1574 diabetic patients (891 Male & 683 Female) and 8198 follow-up visits (4739 Male & 3459 Female) totalling to 7416 during the reporting year.

Total 20 training programmes were conducted of which 10 were for patients and 10 student training programmes. The anti-diabetic efficacy of four selected formulations were evaluated at Nagpur Veterinary college, Nagpur and a pilot study completed using four selected formulations. Based on the animal study report, two formulations were selected for the clinical trial and the study is undergoing. SOPs for two ready to cook food recipes developed in collaboration with Centre for Incubation, Innovation, Research and consultancy (CIIRC), Bengaluru and clinical trial is undergoing to evaluate the two ready to cook dietary supplements for its antidiabetic property in patients of type -2 diabetes mellitus. Ultrasound sonography machine was purchased under CoE scheme this year. Risk assessment portal is developed using Artificial Intelligence (AI) technology and made available in the institute website for the viewers to assess the risk of Diabetes. Ten IEC materials have been developed and are being distributed to public, and the soft copies are available on the website.

In addition, 2 minor research projects were initiated (Occurrence of diabetic peripheral neuropathy and its relationship with Prakriti among type-2 diabetic patients – A cross-sectional study, Evaluation of bioavailability of Varadi and Mustadi ghana vati in healthy volunteers – A cross-over randomized clinical trial), their enrolment is completed, and statistical analysis is under process. Four articles were published in peer reviewed journals and 3 were communicated for publication.

5. Resources generated during the year from OPD/DSRU/SMPU/Sale of Council's Publication/Library membership fee etc. (01.04.2024 to 31.03.2025)

Sl. No	Resources generated	Amount. (in thousands)
1.	Sale of Council's Pub./Books/CDs	30,841
2.	Service charges includes Library Membership fee, Authentication, Chemical analysis etc.	2,11,800
3.	OPD Registration fee	1,41,310
4.	Lab investigation charges	24,73,976
5.	Panchakarma charges	1,17,533
6.	Radiology	1,71,863
7.	IPD	10,16,631
8.	Minor OT Shalya	5,660
9.	Miscellaneous (Tender Processing Fee & etc.,)	13,000
10.	Sale of unserviceable items etc.	10,650
11.	Interest received in savings bank account of the institute	60,072
12.	Total	42,53,336

6. Details of the budgetary provision of the Institute during reporting period (2024-25)

Sr. No.	Scheme	B.E. 2023-24 (in thousands)	Funds received (in thousands)	Actual expenditure (in thousands)
1.	Pay & Allowances	3,84,64,613	3,84,64,613	3,84,64,613
2.	TA	5,00,000	5,00,000	4,93,663
3.	Contingencies			

	Wages	6,50,000	6,50,000	6,49,995
	Office expenses	1,10,00,000	1,10,00,000	1,10,00,000
	Rent Rates Tax	65,000	65,000	64,202
	Other admin expenses	1,75,000	1,75,000	1,75,000
	Advertisement	2,00,000	2,00,000	2,00,000
	Professional service	1,50,00,000	1,50,00,000	1,49,95,045
4.	Research Activities	1,21,50,000	1,21,50,000	1,21,49,888
5.	Seminar & Conference Mela	5,50,000	5,50,000	5,19,458
6.	Swachhta Action Plan	2,00,000	2,00,000	1,99,996
7.	AMHCP – SCSP	41,68,000	41,68,000	41,68,000
8.	Tribal Area Sub Plan-THCRP	56,00,000	56,00,000	56,00,000
9.	EMRS	32,89,905	32,89,905	32,89,905
	Total	9,20,12,518	9,20,12,518	9,19,69,765

7. Committees in the institute

7.1. Expert Advisory Committee for Centre of Excellence in Madhumeha

Sl.No	Name & designation	Specialization
1.	Dr. S Srikanta, Medical Director, Samatvam Endocrinology Diabetes Centre	Endocrinology & Diabetology
2.	Dr.CR Jayanthi, Retd.Dean, Faculty of Medicine & Professor & HOD of Pharmacology, Bangalore Medical College & Research Institute, Bengaluru	Pharmacology
3.	Dr. Raveendra KR, Professor, Dept. Of Internal Medicine, Bangalore Medical College & Research Institute, Bengaluru	Endocrinology
4.	Dr. Yogesh S Shouche, Scientist G, National Centre for Cell Science (NCCS), Department of Biotechnology, Pune	Diabetology
5.	Dr Ravishankar B, Research Head, Sri Sri College of Ayurvedic Science and Research	Microbiology
6.	Dr. Kishore Kumar R, Professor of Ayurveda, Centre for Integrative Medicine and Research, NIMHANS, Bengaluru	Ayurveda & Clinical Research
7.	Dr Supriya Bhalerao, Associate Professor, Interactive Research School for Health Affairs (IRSHA), BharatiVidyapeeth, Pune	Ayurveda & Research
8.	Dr. Sridhar BN, Former Incharge, CARI, Bengaluru	Ayurveda & Dietetics
9.	Dr. Radhika MS, Scientist E & HOD, Department of Dietetics, ICMR-NIN	Food technology
10.	Dr. G. Bhanuprakash Reddy, Scientist-G & HoD, Biochemistry Division, ICMR-NIN, Hyderabad	Food Biochemistry
11.	Dr. N. Samarasimha Reddy, Scientist-E, Clinical Epidemiology Division, ICMR-NIN, Hyderabad	Clinical Epidemiology
12.	Dr. N. Girish, Additional Professor, Dept. Of Epidemiology, National Institute of Mental Health and Neuro Sciences, Bengaluru	Epidemiology
13.	Dr. KP. Suresh, Sr. Scientist, National Institute of Veterinary Epidemiology and Disease Informatics (NIVEDI)	Biostatistics
14.	Dr. Ashok B K, Sr. Research Scientist, R&D, Himalaya Drug Company, Bengaluru	Drug development

7.2. Institute Ethical Committee (IEC)

Sr. No.	Name with Contact no.	IEC status
1.	Dr. B. A. Venkatesh Ex. Principal, GAMC, Dhanvantari Road, Bengaluru 560009. E-mail: dr.bavenkatesh@gmail.com Mob. No. 9845015567	Chairperson
2.	Dr. Prof. Geetha Dept. of Pharmacology, Bengaluru Medical College and Res. Institute, Fort K.R. Road, Bengaluru – 560002. geetha25bmcri@gmail.com Mobile No.9886224085	Member (Basic Medical Scientist)
3.	Dr. Vikram.S. Prof & Head Dept. of Rasashastra & Bhaishajya Kalpana, Sri Sri College of Ay. Science & Res. Survey, Bengaluru – 560082. Mobile No-9886262361 Email:vikram_ayur@yahoo.com/drvikramayur@gmail.com	Member (Basic Medical Scientist)
4.	Dr. Anant Desai Professor & HOD, Dept of Panchakarma, GAMC, Bengaluru No.1580, B Block, 13 th Main, Sahakar Nagar, Bengaluru – 560092. Mob. No.9448185896. Anantdesai30@gmail.com	Member (Clinician Ayurveda)
5.	Dr M. Ravikeerthy F.No.C-101, 2nd FLOOR GAGAN YALE Apartment, Next to Baldwin School, BEML 5th Stage Rajarajeswarinagar Bengaluru-560098 Mobile:09845295227,6361782197 Email:ravikeerthym@gmail.com	Member (Clinician Modern Medicine)
6.	Smt. Swayamprabha.H.C. Advocate, 241, Ist floor, Nandi Mansion, Aralejudi compound, Cottonpet road, Bengaluru. Mob. No. 9844159464. swayamprabha.hc@gmail.com	Member (Legal Expert)
7.	Mrs. Sarah Abraham Ex- Principal, No 1008, Sobha Hill view Apts, Thalaghattapura, Bengaluru – 560 109. Mobile No.9916334453. Email: sarahabraham56@gmail.com	Member (Social Scientist)
8.	Shri. Krishna Kumar # 87, ‘SURABHI’ VISL Layout, Ist Main, 3 rd cross, “Silk Institute Metro Station” off Kanakapura Main Road, Thalaghattapura, (Near S.S. Vruddi Apartment) Bengaluru – 560 109. Mobile no.-8073535371/9980631599. Email:silkyman61@gmail.com	Member (Lay person)
9.	Dr. Shubhashree MN Research Officer (Ayurveda) Central Ayurveda Research Institute, Bengaluru Email:shubhathejas@gmail.com , Mobile no.-9448016968	Member Secretary

7.3. Committee for prevention of Sexual Harassment of women in workplace

Sr. No.	Name & Designation	Status in Committee
1.	Dr. M.N. Shubhashree, R.O. (Ay.)	Chairman
2.	Dr. S.H. Doddamani, R.O. (Ay.)	Member
3.	Dr. Thejaswini C., R.O. (Ay.)	Member
4.	Smt. Hemavathi K.H, L.T. (Path.)	Member
5.	Ms. Jyothi G, LDC	Member Secretary

7.4. Official Language Implementation Committee (OLIC)

Sr. No.	Name & Designation	Status in Committee
1.	Dr. Sulochana Bhat, AD In-charge	Chairman
2.	Dr. Rajendra Kumar, RO (Ay.)	Raja Bhasha Officer
3.	Dr. Bhavya BM, RO (Ay.)	Member
4.	Smt. Ritu Sinha, R.A. (Bot.)	Member
5.	Mr. Suresh Kumar, RA (Chemistry)	Member
6.	Ms. Jyothi G, LDC	Member
7.	Smt. Rashmi Kulkarni, Hindi Assistant	Member

7.5. Purchase Committee

Sr. No.	Name & Designation	Status in Committee
1.	Dr. S.H. Doddamani, R.O. (Ay.)	Chairman
2.	Dr. M.N. Shubhashree, R.O. (Ay.)	Member
3.	Dr. V. Rama Rao, R.O. (Bot.)	Member
4.	Dr. Anchan Vidyashree Vittal, RO (Patho)	Member
5.	Shri. M. Girijavallabhan, Office Assistant	Supporting staff

7.6. Condemnation Committee

Sr. No.	Name and affiliation	Status
1.	Dr. Sanjay Kumar Giri, R.O. (Ay.)	Chairman
2.	Dr. Rajendra Kumar, R.O. (Ay.)	Member
3.	Dr. Bhavya B.M., R.O. (Ay.)	Member
4.	Shri. M. Girijavallabhan	Supporting staff

7.7. Technical Co-Ordination Committee

Sr. No.	Name & Designation	Status in Committee
1.	Dr. S.H. Doddamani, R.O. (Ay.)	Chairman
2.	Dr. M.N. Shubhashree, R.O. (Ay.).	Member
3.	Dr. V. Rama Rao, R.O. (Bot.)	Member

7.8. Swachhata Committee

Sr. No.	Name & Designation	Status in Committee
1.	Dr. Sulochana Bhat, A.D. In-charge	Chairman
2.	Dr. S H Doddamani, R.O. (Ay.).	Member
3.	Dr. Bhavya B.M, R.O. (Ay.)	Member

7.9. e-Office Committee

Sr. No	Name and affiliation	Status
1.	Dr. Rajendra Kumar, R.O. (Ay.)	Chairman
2.	Smt. Jyothi G., LDC	Member
3.	Sh. Delvin George, Lab. Attendant	Member

7.10. Media Management Committee

Sr. No	Name and affiliation	Status
1.	Dr. M.N. Shubhashree, R.O. (Ay.)	Chairman
2.	Sh. Rahul Kumar, SRF (IT)	Member

7.11. Staff Grievance Committee

Sr. No.	Public Grievance Committee	Status
1.	Dr. Bhavya B.M., R.O. (Ay.)	Chairman
1.	Dr. Rajendra Kumar, R.O. (Ay.)	Member
2.	Smt. R. Bhavana, R.A. (Bot.)	Member
3.	Shri A. Sathish, Jr. MLT	Member
4.	Smt. Jyothi G., LDC	Member

7.12. Public Grievance Committee

Sr. No.	Public Grievance Committee	Status
1.	Dr. M.N. Shubhashree, R.O. (Ay.)	Chairman
2.	Dr. Anchan Vidyashree, R.O. (Path.)	Member
3.	Shri Mallikarjun Neelavani, Staff Nurse	Member
4.	Shri Niloy Banerjee, Pharmacist	Member
5.	Shri Girish C., Panchakarma Tech.	Member

7.13. Data Safety and Monitoring Board (DSMB) for ATT Project

Sr. No	Name and affiliation	Status
1.	Dr. Sridhar B. S, MD (Ay.) Joint Director, AYUSH Karnataka	Chairman
2.	Dr. Anil Singarajipura MD (Medicine) Joint Director, STO, Bengaluru	Member
3.	Dr. Srikumar M.Sc, Ph.D. (Pharmacology) NIMHANS, Bengaluru	Member
4.	Dr. K.P. Suresh Ph.D (Biostatistics) ICAR, Bengaluru	Member
5.	Dr. Sulochana Bhat AD Incharge, CARI, Bengaluru	Member Secretary

7.14. Data Safety and Monitoring Board (DSMB) for AMRA

Sr. No.	Name and affiliation	Status
1.	Dr. Sridhar B N MD (Ay.) Retired Incharge, NADRI, Bengaluru	Chairman
2.	Manjappa C.N Prof and HOD, Dept. of Orthopedics, Mandya Institute of Medical Sciences	Member
3.	Dr. Srikumar M.Sc, Ph.D. (Pharmacology) NIMHANS, Bengaluru	Member
4.	Dr. K.P. Suresh Ph.D (Biostatistics) ICAR, Bengaluru	Member

5.	Dr. Allen Uragol Ph.D. (Bio-Ethics), IIM, Bengaluru	Member
6.	Shri.Madhusudan Adiga Advocate, Nrupatunga Road, Bengaluru.	Member
7.	Dr. Sulochana Bhat AD In-charge, CARI, Bengaluru	Member Secretary

7.15. Data Safety and Monitoring Board (DSMB) for ADHD

Sr. No	Name and affiliation	Status
1.	Dr. Saraswathi S. Assistant Professor	Chairman
2.	Dr. Gopal Krishna Professor and HOD	Member
3.	Dr. Srikumar M.Sc , Ph.D. (Pharmacology)	Member
4.	Dr. K.P. Suresh Ph.D (Biostatistics)	Member
5.	Sh. Madhusudhan Adiga BA., LLB	Member
6.	Dr. Sulochana Bhat AD Incharge, CARI, Bengaluru	Member Secretary

7.16. Data Safety and Monitoring Board (DSMB) for Parkinson's Disease Project

Sr. No	Name and affiliation	Status
1.	Dr. G.R.K. Sarma Professor, Dept of Neurology, St. John's Medical College, Bengaluru	Chairman
2.	Dr. Gopal Krishna Professor, HOD, Kayachikitsa Sri Sir College of Ayurveda, Bengaluru	Member
3.	Dr. Srikumar M.Sc, Ph.D. (Pharmacology) NIMHANS, Benglauru	Member
4.	Dr. K.P. Suresh Ph.D (Biostatistics) ICAR, Bengaluru	Member
5.	Sh. Madhusudhan Adiga BA.,LLB, Bengaluru	Member
6.	Dr. Sulochana Bhat AD Incharge, CARI Bengaluru	Member Secretary

7.17. NABH Coordination Committee

Sr. No.	Members	Role
1.	Dr. Sulochana Bhat	Chairperson
2.	Dr. Rajendra Kumar	NABH Coordinator
3.	Dr. Vidyashree Anchan	NABH Co-Coordinator

7.18. Quality Management Committee (NABH)

Sr. No.	Members	Role
1.	Dr. Rajendra Kumar	Chairperson

2.	Dr S.H. Doddamani	Member Secretary
3.	Mr. Niloy Banerji	Member

7.19. Clinical Audit Committee (NABH)

Sr. No.	Members	Role
1.	Dr. Bhavya BM	Chairperson
2.	Dr. Thejaswini C	Member Secretary
3.	Mrs. Bhagyamma	Member
4.	Mr. Srinivas Iliger	Member

7.20. Medical Record Management Committee (NABH)

Sr. No.	Members	Role
1.	Dr. Bhavya BM	Chairperson
2.	Dr. Thejaswini C	Member Secretary
3.	Mrs. Bhagyamma	Member
4.	Mr. Srinivas Iliger	Member

7.21. Pharmaco-Therapeutic Committee (NABH)

Sr. No.	Members	Role
1.	Dr. Shubhashree MN	Chairperson
2.	Mr. Niloy Banerji	Member Secretary
3.	Mr. Umesh	Member

7.22. Hospital Infection Control Committee (NABH)

Sr. No.	Members	Role
1.	Dr. Vidyashree	Chairperson
2.	Mrs. Bharathi	Member Secretary
3.	Mrs. Neetha	Member
4.	Mrs. Hemavathi	Member
5.	Mr. Mallikarjuna	Member
6.	Mr. Sathish	Member

7.23. Hospital Safety & Risk Management Committee (NABH)

Sr. No.	Members	Role
1.	Dr. S.K. Giri	Chairperson
2.	Dr. V. Rama Rao	Member Secretary
3.	Mr. Suresh Kumar	Member
4.	Mr. Sunil	Member
5.	Mrs. Hemavathi	Member

7.24. Medical Morbidity & Mortality Committee (NABH)

Sr. No.	Members	Role
1.	Dr. Rajendra Kumar	Chairperson
2.	Dr. Vidyashree Anchan	Member Secretary
3.	Mrs. Bhagyamma	Member
4.	Mr. Sunil	Member

7.25. Human Resource Review Committee (NABH)

Sr. No.	Members	Role
1.	Dr. Srinibash Sahoo	Chairperson
2.	Mrs. Jyothi	Member Secretary

3.	Mrs. Rashmi	Member
4.	Mr. Suresh Kumar	Member
5.	Mr. Krishnamurthy	Member

7.26. Disaster Management Committee (NABH)

Sr. No.	Members	Role
1.	Dr. S.H. Doddamani	Chairperson
2.	Dr. Shubhashree M.N.	Member
3.	Dr. Rajendra Kumar	Member

7.27. Code Blue Committee (NABH)

Sr. No.	Members	Role
1.	Dr. Rajendra Kumar	Chairperson
2.	Dr. Vidyashree	Member Secretary
3.	Mr. Niloy Banerji	Member
4.	Mr. Sunil	Member

7.28. Code Red Committee (NABH)

Sr. No.	Members	Role
1.	Dr. V. Rama Rao	Chairperson
2.	Mr. Suresh Kumar	Member Secretary
3.	Mr. Sathish	Member
4.	Mr. Girish	Member

7.29. Code Pink Committee (NABH)

Sr. No.	Members	Role
1.	Dr. Bhavya BM	Chairperson
2.	Dr. Thejaswini C	Member Secretary
3.	Mrs. Neetha	Member
4.	Mrs. Abitha	Member

7.30. Code Black Committee (NABH)

Sr. No.	Members	Role
1.	Dr. Srinibash Sahoo	Chairperson
2.	Dr. Bhavya BM	Member Secretary
3.	Mr. Girish	Member

7.31. Reservation cell

Sr. No	Name and affiliation	Status
1.	Dr. S. H. Doddamani, R.O. (Ay.)	Lisian Officer
2.	Dr. V. Rama Rao, R. O. (Botany)	Member
3.	Dr. Raghavendra Naik, R.O. (Ay.)	Member
4.	Dr. Sandhya Rao, GAMC, Bengaluru	Member

I. TECHNICAL REPORT

1. Programs allotted and completed during the reporting period

Sr. No.	Title of the project	Target	Status	Remarks
Clinical Section				
Intramural Clinical Research Projects – Ongoing				
1.	Efficacy and safety of Ayurveda Formulation ‘Trikatu’ in Dyslipidemia – A Prospective Randomized Double-Blind Placebo Controlled Trial	120 (Extended for 9 months)	Ongoing	Screened-157 Screen Failure-64 Enrolled-93 Completed-63 Drop out-7 Ongoing- 23
2.	A Cross Sectional Survey to explore the association of Prakriti with Diabetic Retinopathy.	1350 (Extended for 18 months)	Ongoing	Screened-982 Enrolled -981 Completed-981
3.	Documentation of Prescription Trends in Osteoarthritis by Ayurveda Physicians–A Retrospective Analysis	20000 (case sheets)	Ongoing	Screened- 7000 Completed- 600
4.	Management of Autism Spectrum Disorder in children through a comprehensive Ayurveda approach as an add-on to conventional therapy - A randomized control clinical trial	80	Ongoing	Enrolment yet to be initiated.
Other Intra-Mural Projects - Ongoing				
1.	Study and documentation of plant raw drugs for substitution & adulteration in the markets of South India (Karnataka, Kerala, Tamil Nadu, Andhra Pradesh, Telangana)	NA	Ongoing	Available crud drugs from the local markets from Bengaluru, Chennai and Cheruthurthy have been collected and pharmacognostical study is under progress
2.	Documentation of Wild Edible and Medicinal Plants available in different markets of southern part of Western Ghats in Karnataka State of Karnataka	Documentation of Wild edible plants from Mysuru, Kodagu, Hassan, Chikmagalur,	Ongoing	Survey conducted in Hassan district and two local markets were visited and documented wild edible plants.

		Dakshina Kannada and Udupi districts		
3.	Documentation of Life Profiles of Admirable Personalities to Transform Ayurveda 2024	NA	Ongoing	Report submitted.
Intramural Clinical Research Projects –Completed				
1.	A Randomized, Placebo-controlled, Double-blind Clinical Trial to Evaluate the Effect of Trikatu in Subclinical Hypothyroidism	90/50	Completed	Screened- 438 Screen failure-83 Enrolled- 55 Completed- 46 Drop out- 09
2.	Clinical Evaluation of Lekhaniya Gana Kashaya and Arogyavardhini Gutika in the Management of Medoroga (Obesity)	50	Completed	Screened-54 Screen Failure-4 Enrolled-50 Completed-50 Drop out-11
3.	Assessment of acceptability of the comprehensive Ayurveda-based health care approach in the tribal community and effectiveness of individualized health care - Cluster randomized study	520	Completed	Enrolled-520 Completed-520 Dropout-00
4.	Acceptability of the comprehensive Ayurveda-based health care approach in the community and effectiveness of individualized health care - Cluster randomized study	480	Completed	Enrolled-480 Completed-476 Dropout-04
Other Intra-Mural Projects –Completed				
1.	-	-	-	-
Collaborative Clinical Research Projects –Ongoing				
1.	Evaluation of Hepatoprotective activity of PTK as an add on therapy in the patients of Tuberculosis on ATT - A Double Blind Randomized control clinical study	150/100 (Revised)	Ongoing	Screened- 118 Enrolled- 100 Completed- 71 Drop out- 11 Continuing-18
2.	Evaluating the efficacy of ayurvedic intervention as add on to conventional treatment and explore the interaction of epigenetics, neuro/gut biomarkers and	160 (Reduced to 80)	Ongoing	Screened-1055 Enrolled-78 Completed-52 Dropout-19 Continuing-7

	neuroimaging in pediatric ADHD (attention deficit hyperactivity disorder)			
3.	Ayurveda therapeutic regimen as on Add-on to optimized conventional management of Parkinson's disease: An RCT for assessment of Clinical, Cortical excitability, Neuroimmune and Autonomic function parameters	80	Ongoing (Extended till 31.01.2026)	Screened-240 Enrolled-49 Completed-55 Dropout-09 Continuing-18
4.	A multi-centre study to assess the treatment adherence and tolerability of Ayush SR in Generalized Anxiety Disorder (GAD) under SMART Programme	440	Ongoing	Screened-506 Enrolled-412 Completed-245 Dropout-30 Continuing-137
5.	Systems Biology approach to delineate molecular signatures of Prakriti in healthy humans	Analysis of 786 urine samples	Ongoing	Collected-786 Processed-786 Analyzed-786
6.	A Comparative study to evaluate the efficacy and safety of Ayurvedic Intervention in Insomnia disorder among the elderly – A prospective randomized open- label study	Target-140	Ongoing	IEC approval taken. Trial drugs awaited.
7.	Efficacy and safety of Arjuna [Terminalia arjuna (Roxb.Wight & Arn)] as an adjunct to standard care in Atherogenic Dyslipidemia- A randomized double-blind placebo-controlled study	Target-170	Ongoing	Draft MoU submitted.
8.	General health screening with special focus on Tuberculosis, Anemia, Haemoglobinopathies & Malnutrition and Ayurvedic Interventions for better health outcomes in students of Ekalavya Model Residential Schools (EMRS) functioning under M/o Tribal Affairs	All students from 2 selected EMRS schools- Mangala Gangannagari Palli	Ongoing	School- 1 (Mangala) Screened- 368 Anemic-146 Malnutrition- 77 Hemoglobinopathy- 28 School- 1 (GN Palli) Screened- 398 Anemia-89 Malnutrition- 51 Hemoglobinopathy- 18

Other Collaborative Projects – Ongoing				
1.	Formulation and product development of Ayurveda recipes and nutritional evaluation of selected products	10 recipes	Ongoing	SOPs of 10 Ayurveda food recipes completed. Animal experiment for 4 recipes is under progress.
2.	Documentation of Traditional food recipes of Karnataka and their validation with Ayurveda and nutritional perspective	100 traditional recipes from 20 locations	Ongoing	Phase 1: Completed Phase 2: Completed Total number of recipes recorded: 127/100
3.	Elucidating mechanisms of anti-hyperglycemic activity of selected herbal formulations	Alpha Glucosidase inhibitory potential, cell viability (MTT assay in HepG2, RIN-5F, 3T3-L1 & L6 cell lines), fatty acid profiling, 2D colony formation assay in RIN-5F, Propidium Iodide assay in RIN-5F.	Ongoing	Alpha-glucosidase, DPP-IV inhibition studies, MTT assays on L6, HepG2, and RIN-5F cells, assays under lipo-toxicity using palmitic acid completed. Ongoing work includes MTT assays, colony formation, and propidium iodide assays on RIN-5F cells.
4.	Comparative evaluation of field and hydroponic cultivation of selected Ayurvedic medicinal plants	Cultivation of selected 5 medicinal plants	Ongoing	Hydroponic and soilless cultivation of Piper longum, Uraria picta completed. Analysis on bioactive compounds of useful parts done. Field, hydroponic and soilless cultivation of Rubia cordifolia and Convolvulus pluricaulis under is under progress.

5.	Seasonal variation on bioactive compounds of Panchavalkal-05 medicinal plants used in Ayurveda	Study of seasonal variation of 05 medicinal plants	Ongoing	Seasonal collection and analysis of bioactive compounds from stem bark (secondary and tertiary branches) of Panchavalkal plants (04 Ficus and 01 Thespesia species) is under progress
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Collaborative Clinical Research Projects –Completed

1.	Evaluation of AYUSH-GMH in the subjects of mild to moderate non-alcoholic fatty liver disease (NAFLD) - A Double-Blind Randomized control clinical study	100	Completed	Screened-138 Screen Failure-38 Enrolled-100 Completed-87 Drop out-13 Continuing-0
2.	Morbidity and Healthcare-seeking behaviour of the patients visiting the Ayurveda healthcare facilities of the DGAFMS Hospitals: A multicentre cross-sectional survey study	No specific target	Completed	Screened-598 Enrolled -598 Completed-598
3.	A Double-Blind Double Dummy Prospective Randomized Controlled Study to evaluate the efficacy of classical Ayurveda Management versus Methotrexate in Rheumatoid Arthritis (AMRA)	240	Terminated	Screened-109 Enrolled- 71 Completed- 18 Drop out-14

Other Collaborative Projects - Completed

1.	-	-	-	-
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Outreach Programmes

1. Tribal Health Care Research Programme (THCRP)

1.	Tribal Health Care Research Programme (THCRP)	Number of tours- 205 Population- 5730 LHTs- 11	Completed	Villages: 24 (4 cluster) Total Visits: 205 Patients treated: 5730 LHT claims: 11 Investigations: 3933. Health care initiatives:
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				Focus camps: 39 Health Awareness camps: 70 No. of clinical projects under THCRP: 1
2. Scheduled Caste Sub Plan (SCSP)				
1.	Ayurveda Mobile Health Care Project (AMHCP)- under Scheduled Caste Sub Plan (SCSP)	Number of tours- 200 Population surveyed- 480	Completed	Pockets/ Areas: 4 pockets (8 areas) No. of tours completed- 202 Population surveyed- 480 Patients treated:4236 Investigations conducted: 7144 Health care initiatives: Focus camps: 20 Health Awareness camps: 177 No. of clinical projects under SCSP: 1
Centre of Excellence (CoE) funded by Ministry of Ayush				
1.	Centre of Excellence (CoE) for Research & Clinical Services in Madhumeha (Diabetes Mellitus) From Ministry of Ayush	NA	Ongoing	<ul style="list-style-type: none"> • OPD patients treated- 1395 patients • Patients (Yoga)-87 patients • Camps (Diabetes)-30 camps, 915 beneficiaries • Public training programmes-10 programmes with 748 beneficiaries • Patient training programmes-10 programmes with 282 beneficiaries • Ayurveda Student training programmes- 10

				<p>programmes with 426 trainees</p> <ul style="list-style-type: none"> • Yoga training camps- 12 programmes with 325 beneficiaries • MoUs signed- 01 • Population covered under e-Healthcare initiatives-189610 • No of minor projects under CoE – 9 • Articles published- 04
1.	Evaluation of anti-diabetic efficacy of four selected classical Ayurvedic poly-herbal formulations in Type-2 Diabetes Mellitus – A randomized pilot study.	NA	Completed under CoE scheme	Statistical analysis completed. Publication under process.
2.	Clinical evaluation of anti-diabetic efficacy of ‘Kaphaja Pramehahara Yoga, an Ayurveda poly-herbal formulations in Pre-diabetes – A pilot study.	24	Completed under CoE	Statistical analysis completed.
3.	A pilot study to evaluate the role of Yoga capsule as add-on in reducing Serum Glucose levels in diabetes	06	Completed under CoE	Statistical analysis completed. Article published.
4.	A Cross-sectional study of Knowledge, Attitude and Practice related to Madhumeha (Diabetes)	30	Completed under CoE	Publication under process.
5.	Knowledge, Attitude and Practices related to Madhumeha (Diabetes)	1200	Completed under CoE	Under Publication.
6.	Development of predictive system for diagnosing the risk of Diabetes using machine learning techniques	1000	Completed under CoE	Predictive document has been developed. Copyright has been obtained (SW-17879/2023) on 19.12.23.
7.	Preclinical study of four antidiabetic formulations in high fat diet along with low dose of Streptozotocin induced diabetes in Wistar rats	12	Completed under CoE	Under Publication.

8.	Evaluation of bio-availability of Varadi and Mustadi ghana vati in healthy volunteers – A cross-over randomized clinical trial	120	Ongoing under CoE	Enrolment completed. Analysis in progress.
9.	Occurrence of diabetic peripheral neuropathy and its relationship with Prakriti among type-2	400	Ongoing under CoE	Enrolment completed. Analysis in progress.
10.	Evaluation of two ready-to-cook dietary supplements for its anti-diabetic property in patients of type-2 diabetes mellitus -A Randomized control trial	78	Ongoing under CoE	Screened-116 Enrolled-74 Completed-35 Dropped out-09 Continuing-30
11.	Safety and efficacy of Mustadi ghana vati and Varadi ghana vati in Madhumeha/ type-2 diabetes mellitus: An open labelled randomized controlled active comparator (Metformin) Phase-II study.	120	Ongoing under CoE	Screened-69 Enrolled-52 Completed-01 Dropped out-08 Continuing-43

Other Projects funded by Govt. of India under grant-in-aid scheme

1.	National Pharmacovigilance Program (From AIIA, New Delhi)	-	Ongoing	Total Misleading Advertisements Reported: 101 ADR Reported: 12 CME/Awareness Program: 22 Participation in CME as resource persons: 03 Participation in the training program: 03 Articles Published: 01 Article accepted: 01
2.	Ayurveda Sciences Incubation Centre (ASIC) under Startup Incubation through Ayush Institution scheme	To support 20 startups in 5 years	Ongoing	Draft documents prepared and sent to hqrs for approval
3.	Evaluation of Triphala as an Add-on Intervention for Sustained Weight Loss in Overweight and Obesity: A Randomized Placebo-Controlled Clinical Trial	127	Ongoing	IEC approval taken. Trial drug awaited.

4.	A Randomized active comparator controlled clinical trial of selected Ayurvedic formulations in Pre-Diabetes and Type 2 Diabetes (CoE IISc)	target 324	Ongoing	Enrolled-186 Completed-00 Dropped out- 00 Continuing-186
Research project proposals approved by PEMC/To Be initiated				
1.	Safety, Efficacy, Acceptability & Tolerability of Maggot Debridement Therapy in Madhumehajanya Vrana w.s.r. to Diabetic Foot Ulcer: A Randomized Controlled Pilot Clinical Trial			
2.	A Clinical Consensus study for developing the practice guidelines and Standardization of Tarpana & Putapaka with a Feasibility study in Myopia			
3.	Survey and Documentation on Netra Kriyakalpa among registered Ayurveda practitioners across India			
4.	Safety & Efficacy of Integrative Ayurvedic Intervention in the management of Mild Cognitive Impairment (MCI) (Smritibhramsa)–A Randomized Controlled Clinical Trial			
5.	Medico Ethno Botanical Survey of Nallamala forests located in the states of Andhra Pradesh and Telangana.			
Research project proposals/concept note submitted				
1.	Evaluation of efficacy of usual care Ayurveda interventions and treatment as usual in elderly participants with knee Osteoarthritis for improving functionality and quality of life - Pragmatic trial.			
2.	Evaluating Safety and Efficacy of Integrative Ayurveda and Yoga Intervention as add-on therapy in Geriatric depression			
3.	Evaluation of Effect of Ayurvedic Interventions in the Management of Refractive changes Associated with Diabetes: A Randomized Double Blinded Placebo Controlled Clinical Trial			
4.	A Clinical Study to assess the safety and efficacy of ‘Vayasthapana Gana’ Ghana Vati on Ageing			
5.	Prospective clinical trial to assess the efficacy, compatibility, and tolerability of Millets in Samsarjana Project			
6.	A Randomized clinical study to evaluate the safety and efficacy of AYUSH-82 Ayurvedic formulation on non-Chronic Type 2 Diabetes Mellitus and its Bio-Molecular evaluation			
7.	A prospective randomized double blind clinical trial to assess the efficacy and safety of <i>Arjunarista</i> and <i>Navaka guggulu</i> in Dyslipidemia as a preventive measure for vascular disorders			
8.	Randomized Controlled Trial to evaluate the efficacy of Gandha Thaila and Kukkutanda tvak Bhasma as add on to standard care in the management of Osteopenia/Osteoporosis (Submitted to ICMR)			
9.	A Study on the effect of ‘Achara Rasayana’ and ‘Amalaki Rasayana’ on enhancing. Behavioral and Immunological Health” through Ayurvedic holistic approach (IKS)			
10.	Development of Quality Standards for Useful Parts of Selected Medicinal Plants of Ayurveda			

2. Research articles published in reputed journals (National/International journals only are to be furnished)

a. International Journal

S. No.	Name of the Author (s)	Title of the Paper	Name of the Journal, Volume, Page no. etc.	Date of publication (Month & Year)
1.	Doddamani SH Bhavya BM, Shubhashree MN, Giri SK	Documentation of case report on clinical safety concerns of Ayurvedic poly herbo-mineral drugs.	International Journal of Research in Ayurveda Pharmacy 2024;15(2):22-25	April 2024
2.	Vrinda H S Supriya Sulochana Bhat	A comparative phytochemical analysis and HPTLC fingerprinting of ardraka and shunti in different dosage forms and its relation to diabetes.	International Journal of Ayurveda and Pharma Research 2024;12(4):1-9	May 2024
3.	Monica KP Sulochana Bhat, Chandini Chandrasekharan Anjana K S	Impact of yoga on glucose reduction: A pilot study.	International Journal of Yogic, Human Movement and Sports Sciences 2024: 9(2): 41-45	August 2024
4.	Vijay kumawat, Paramaatma Tripathi, Vidyashree Anchan	Therapeutic role of plasma exchange in the management of stiff person syndrome: experience from a tertiary care centre	Hematology, Transfusion and Cell Therapy 2024 Oct-Dec.	Oct-Dec 2024
5.	Chandini Chandrasekharan Sulochana Bhat Raghavendra Naik Anjana K S	Non-vegetarian diet as a risk factor of type 2diabetes: A retrospective study of cross-sectional population in Bengaluru.	International Journal of Research in Ayurveda and Pharmacy 15 (5), 2024	December 2024
6.	Shubhashree M.N, Raghavendra Naik, Chandini Chandrasekharan, Arsha K.S	An overview of the interactions between ayurvedic herbs and psychiatric drugs.	International Journal of Advanced Research 13(01), 256-260.	January 2025

b. National Journals

S. No.	Name of the Author (s)	Title of the Paper	Name of the Journal, Volume, Page no. etc.	Date of publication (Month & Year)
1.	Naik, Raghavendra Shubhashree, M. N, Sulochana Bhat.	Prof. G Srinivasa Acharya: A guiding light and a skilled practitioner.	Journal of Research in Ayurvedic Sciences 8 (Suppl 2):p S166-S169,	November 2024.
2.	Bhavya B M Arpitha MU, Shubhashree M N, Srinibash Sahoo, Dharanesh Suresha, Sulochana Bhat	A Case Study and Critical Review on the Management of Rare Case of Sudden-Onset Auditory Neuropathy Spectrum Disorder in Pediatrics Through Ayurveda Rasayana Chikitsa.	Journal of Drug Research in Ayurvedic Sciences 2024;9 (2): S224-229	December 2024
3.	Vrinda, Sulochana Bhat, Anjana KS Kavya N, Monica KP	The Correlation between Knowledge, Attitude, and Practice Related to Diabetes Involving Ayurveda and Yoga in two Ayurveda and Allopathy Hospitals of Bengaluru	Journal of Integrated Health Sciences, 12, (2); Jul-Dec 2024, :135-141	December 2024
4.	Bhavya B.M, Arpitha, Shubhashree, Srinibash Sahoo, Dharanesh , Sulochana Bhat.	Case Study and Critical Review on the Management of Rare Case of Sudden-Onset Auditory Neuropathy Spectrum Disorder in Paediatrics Through Ayurveda Rasayana Chikitsa	Journal of Drug Research in Ayurvedic Sciences 2024;9: S224-229.	December 2024
5.	Vinod Kumar T, Venkat Narsimhaji CH, Prem Kumar CH, Kusuma G, Swamy CT, Rama Rao V, Gokul M, Naresh V, Koushik Ghosh Ilavarasan R.	Standardization of AYUSH-64 a Poly Herbal Formulation: Phyto-Pharmacognostical Evaluation and Estimation of Picroside-I and Picroside-II using HPLC	Revista Brasileira de Farmacognosia 2025. DOI https://doi.org/10.1007/s43450-025-00618-y	February 2025

6.	Sonam Tamchos, Talat Anjum, Rama Rao, Shiddamallayya Na -gayya, Gopesh Sharma	Microscopical Investi gation of <i>Punica Granatum</i> L. Flower: A Traditional Drug with Vivid Therapeutic Pr omise.	Pharmacogn. Res., 2 025; 17(2):1-9	April 2025
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Communicated publications

Sl. No.	Author (s) Name	Title of Paper / Article	Name of the Journal / Magazine etc.	Date of communication	Remarks
1.	Thejaswini C, Rama Rao V, Shubhashree MN, Raghavendra Naik, et al.	Pharmaco therapeutic aspects of Karanja Beeja and Beeja taila [seed and seed oil of Pongamia pinnata (L.) Pierre] with special reference to Ayurveda	Annals of Ayurveda	March 2024	Commun -icated
2.	Babita Yadav, Rao BCS, Pradeep G, Manish B, Sophia J, Bhavya BM, et al.	Ayush-GMH as add-on to Vitamin E in Mild to Moderate Non-alcoholic Fatty Liver Disease (NAFLD): A Study Protocol for Double-Blind Randomized Placebo Controlled Clinical Trial	Manuscript Id: JRAS_300_24 Journal of Research in Ayurvedic Sciences (JRAS).	03/09/2024	Galley proof
3.	Shubhashree MN Arsha K S Bhavya BM SH Doddamani, Sulochana Bhat	Metamorphosis of Ayurveda Ahara to Ayush Ahara- Challenges, Scope and Future prospects	Journal of Drug Research in Ayurvedic Sciences Manuscript ID: jdras_365_24	10/10/2024	Accepted
4.	Vrinda Sulochana Bhat Kavya Anjana K S	Study Protocol of a randomized open- labeled trial to validate the efficacy and safety of two instant beverages as adjuvant therapy in	Journal of Drug Research in Ayurvedic Sciences.	November 2024	Under review.

		type-2 diabetes mellitus.			
5.	Sanjay Kumar Giri, S.K. Vedi, S.H.Doddamani, Raghvendra Naik, et al.	Clinical safety and efficacy of Ayurveda multi-herbal formulation in the management of obesity	Global advance in integrative medicine and health.	December 2024	Consideration for Publication.
6.	Sharada Anand Sulochana Bhat Anjana K S	Effect of four ayurvedic formulations on Streptozotocin-Induced diabetic Wistar rats	AYUHOME	January 2025	Under review.
7.	Vrinda Sulochana Bhat Anagha Jenu Kavya Monica K P	Knowledge, attitude and practice related to diabetes with reference to Ayurveda and yoga	Indian Journal of Community Medicine.	January 2025	Under review.
8.	Bhavya BM, Arpitha MU	"A Case report on the Management of Parkinson's disease through Ayurveda	AYU Journal Manuscript Id: AYU_250_22	31/01/2025	communicated
9.	Shashidhar Doddamani	Ayurvedic and Nutritional Perspective on Obesity Pathophysiology	Journal of Neonatal surgery	03/02/2025	Accepted
10.	BM Bhavya, Suhas A. Chaudhary, Bidhan Mahajan, BS Sharma, MN Subhashree, Rajender et al.	'Efficacy and Safety of Ayurvedic Formulations Lekhaniya Gana Kashaya and Arogyavardhini Gutika in Managing Obesity: A Multicenter Open-Label Study	Journal of Pharmacology and Pharmacotherapeutics Manuscript ID is PHA-2025-0038.	04/02/2025	Communicated
11.	Thejaswini C, Rama Rao V, Shubhashree MN,	Evidence based review of pharmacological activities of Eranda taila (Ricinus communis L.) from	Journal of Drug Research in Ayurvedic Sciences.	February 2025	Accepted

	Raghavendra Naik, et al.	an Ayurvedic perspective with special reference to Vrushya and Vayasthapaka property			
12.	Rama Rao V, Raghavendra Naik, Doddamani SH, et al.	Diversity and Distribution of Less Known Medicinal Plants from Dakshina Kannada and Udupi districts of Karnataka, India	Journal of Non-timber Forest Products,	February 2025.	Commun-icated
13.	Bhavya B.M, Shuhashree MN, Raghavendra N, et al.	“Evaluating the Efficacy and Safety of Ayurvedic Interventions in Glaucoma Management: A Systematic Review and Meta-Analysis”	Journal of Current Glaucoma Practice Manuscript Id: JOCGP_25_16_R1	01/03/2025	Commun-icated
14.	Paramathma Prasad Tripathi, Vijay Kumawat, Vidyashree Anchan	Utilization and Safety of Therapeutic Plasmapheresis in Neurological Disorders: Insights from a Comprehensive Study of 2507 Cases at a Tertiary Care Centre	The National Medical Journal of India.	05/03/2025	Submitted
15.	Vidyashree Anchan, Deepak Kanabur	Diagnostic Utility of Cytology, Ascitic Fluid Total Protein, and Serum Ascites Albumin Gradient in Ascitic Fluid Analysis.	Journal of Clinical and Diagnostic Research.	23/03/2025.	Submitted
16.	Shubhashree M N, Raghavendra Naik, Arsha K S, Chandini Chandrasekharan, Sulochana Bhat	Knowledge, Attitude and Practice of pharmacovigilance and Adverse Drug Reaction (ADR) reporting among ayurveda house surgeons - A cross sectional study from	Annals of Ayurvedic Medicine	26/03/2025	Accepted

		Bengaluru, Karnataka			
17.	Sharat MS, V Rama Rao, Rabinarayan Acharya, Sulochana Bhat, et al.	Validation of a High-Performance Thin-Layer Chromatography (HPTLC) Method for the Quantitative Analysis of Lupeol in <i>Uraria picta</i> Extract.	Journal of Plant Biochemistry and Biotechnology	27/03/2025	Submitted
18.	SH Doddamani, Vidyashree Anchan, Bhavya BM, Shubhashree MN, Thejaswini C Raghvendra Naik SK Giri	A Case Report on the Ayurvedic Management of Coexisting Hypothyroidism and PCOS	Journal of Ayurveda and Holistic Medicine (JAHM) Manuscript Id: ID1688	29/03/2025	Communicated
19.	Shubhashree MN, Arsha K S, Sulochana Bhat	The Role of Pharmacovigilance in ensuring safety and efficacy of Ayurvedic Novel Dosage Forms	Journal of Ayurveda and Holistic Medicine	31/03/2025	Submitted
20.	Raghavendra Naik, Gunjan Patheja, AR Unnikrishnan	BIS standards for Ayurveda medical devices: The new frontier	International Journal of Ayurveda Research	2024	Accepted
21.	Raghavendra Naik, Rama Rao Vendrapati, S.H Doddamani, Sulochana Bhat,et al.	Systematic Documentation of Local Health Traditions of Dakshina Kannada and Udupi Districts, Karnataka	Journal of Ayurveda	2024	Submitted
22.	S.H. Doddamani, Vidyashree Anchan, Thejaswini C, Rajendra Paliwal,	Ayurvedic Management of Pyoderma Gangrenosum - A case report	Journal of Ayurveda	2024	Submitted

	Shubhashree MN, Raghavendra Naik, Sulochana Bhat				
23.	Raghavendra Naik, Rama Rao V, Doddamani SH, Sulochana Bhat, et al.	Systematic Documentation of Local Health Traditions of Dakshina Kannada and Udupi Districts, Karnataka.	Journal of Ayurveda		Final review submitted

c. Articles published in Proceedings of Conference/Seminar/Webinar/Workshop etc. (International & National level)

Sl. No.	Name of the Author (s)	Title of the Paper	Name of the Conference/Seminar/Webinar/Workshop etc. along with organizer and venue	Date of publication (Month & Year)
1.	V Rama Rao, Shiddamallayya, Bhavana, Nazneen and Ritu Sinha	Noteworthy Endemic Plants of Karnataka: A value addition to the Floristic Diversity	3 rd International Symposium on Plant Taxonomy, Ethnobotany and Botanic Gardens "Changing Paradigm of Indian Flora: Vision 2047"	March 2025

d. Other Publications (Books/Booklets/Chapter/Technical reports/Monographs etc.)

Sr. No.	Name of the author (s)	Title of the Books / Booklets / Chapter / Technical reports / Monographs	Contribution	Publisher with year of publication (Month & Year)
1.	Shubhashree M N, Arsha K S	Future prospects of ayurveda: unveiling the present and exploring new horizons. Futuristic Trends in Medical Sciences	e- ISBN: 978-93-6252-453-9 IIP Series, Volume 3, Book 13, Part 1, Chapter 22	April 2024

2.	Raghavendra Naik, Anagha Ranade, Rabinarayan Acharya	Nutri-Ayur to Enhance Aphrodisiac Activity	Innovations in Ayurvedic Nutrition.	Springer, Singapore. https://doi.org/10.1007/978-981-96-2960-2_11
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Monograph submitted

Sr. No.	Name of the Author (s)	Title of the Monograph	Name of the organization	Month & Year of submission
01	Sanjay Kumar Giri	Monograph on Clinical evaluation of Vidanga Churana and Vyoshadi Guggulu in the management of medoroga (obesity).	CCRAS, New Delhi.	February 2025

e. Research/professional abstracts published/ presented at International/ National seminars/ workshop/ meetings etc.: None

f. Paper presented in Conference/Seminar/Webinar/Workshop etc.

Sr. No.	Name of the Author (s) / Participant (s)	Title of the Paper Presented	Name of the Conference/ Seminar/ Webinar/ Workshop	Name of organizer and Venue	Date of the event (Month & Year)	Remark (s), if any
1	Dr.Shubhashree MN	The role of pharmacovigilance in ensuring safety and efficacy of Ayurvedic novel dosage forms	Nat Seminar on fostering patient safety : role of diagnostic practices in AYUSH	CARI, New Delhi and NPvC at India international centre New Delhi	18 th and 19 th September 2024	Received 1 st Prize for paper presentation
2	Dr Raghavendra Naik	BIS standards for Ayurveda Medical devices- The New frontier	National Seminar on Fostering Patient Safety: Role of Diagnostic	Central Ayurveda Research Institute, New Delhi	18 and 19-09-2024	Presented a paper

			Practices in Ayush			
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3. Seminar/Conference/Workshop/Training organized by the Institute

Sr. No.	Name of the Participant (s)	Title of the Training/ Conference / Workshop / Seminar / Webinar / Other programs	Date	Remark (s), if any
1.	Suresh Kumar	Hands on Training on HPTLC	08/05/2024	Attended and organized in coordination with Dayananda Sagar University, Bengaluru.
2.	Dr. V. Rama Rao Smt. Nazneen Smt. Ritu Sinha	International Day of Yoga (IDY)- 2024 Count down	27/05/2024	Conducted
3.	Rama Rao V Nazneen Bhavana R Ritu Sinha	Distribution of Medicinal plants to Ayurveda students and staff of Government Ayurveda Medical College, Bengaluru	28/05/2024	Participated
4.	Rama Rao V Nazneen Bhavana R Ritu Sinha	Distribution of Medicinal plants to the patients at OPD, CARI Bengaluru	29/05/2024	Participated
5.	Nazneen Bhavana R Ritu Sinha	World Environment Day - Plantation and plant distribution at Govt school, Kaggalipura	04/06/2024	On the occasion of World Environment day celebrations plantation and plant distribution was conducted
6.	All officers & staff	World Environment Day	05/06/2024	Conducted and plant distribution at OPD, CARI Bengaluru
7.	All officers & staff	World Blood Donor Day	14/06/2024	Attended and taken pledge
8.	Dr. Vidyashree Anchan	Awareness on Sickle cell Disease for Students of EMRS Mangala & Ganganagaripalli on World Sickle Cell Awareness Day	19/06/2024	Conducted
9.	Dr. Vidyashree Anchan	Awareness program on importance of Yoga & Demonstration of Yoga for Students of EMRS Mangala & Ganganagaripalli on Occasion of "International Yoga Day 2024" with the theme "Yoga for Self and Society"	19/06/2024	Conducted

10.	Doddamani SH	Awareness program on importance of Yoga & Demonstration of Yoga for School Students of Hunsur Village on Occasion of “International Yoga Day 2024” with the theme “Yoga for Self and Society”	20/06/2024	Conducted
11.	समस्त अधिकारी एवं कर्मचारी	हिंदी कार्यशाला	20/06/2024	आयोजित की गई
12.	All officers & staff	Celebration of “International Day of Yoga”	21/06/2024	Conducted
13.	All Hospital Staff	Ayurveda Medical Camp at Jain Shwetambar Terpanth Bhavan, Rajarajeshwari Nagar, Bengaluru	23/06/2024	Conducted
14.	All Officers	Patients Rights Day Celebration	25/06/2024	Conducted
15.	All Officers	Inauguration of AMHCP-SCSP Publication week by DG, CCRAS and Dr. Kousthubha Upadhyaya,	08/07/2024	Conducted by CARI, Bengaluru, CCRAS & Ministry of Ayush.
16.	Rajendra Kumar	Awareness lectures on “Indian Organ Donation Day” for Students & Patients	03/08/2024	Lecture given
17.	All officers & staff	“Har Ghar Tiranga Campaign” on occasion of 78 th Independence-day, Govt of India through Ministry of Culture and tourism	14/08/2024	Participated
18.	Shubhashree MN Arsha K S	Awareness Programme on “Pharmacovigilance” at Sri Kalabairaveshwara swamy Ayurveda medical College	22/08/2024	Training program was conducted.
19.	SH Doddamani	Medical Camp and Awareness Programme at Hunasur Village	24/08/2024	Conducted
20.	All Officers	Investigators and Project Personnel Training for Good Clinical Practice and Public Health Research Programme	27/08/2024	Organized by CCRAS, New Delhi & CARI, Bengaluru
21.	All officers & staff	E-office training programme	28/08/2024 to 29/08/2024	Participated
22.	समस्त अधिकारी एवं कर्मचारी	स्वच्छता ही सेवा पखवाडा	02/09/2024 से 17/10/2024	भाग लिया
23.	Sulochana Bhat Shubhashree MN Rama Rao V	Poshan Maah celebration and Medicinal Plants distribution	10/09/2024	Conducted

		to women under the theme “ Ek Ped Maa Ke Naam”.		
24.	समस्त अधिकारी एवं कर्मचारी	हिंदी दिवस एवं हिंदी पखवाडा	14/09/2024 से 30/09/2024	राजभाषा अधिकारी डॉ. राजेन्द्र कुमार द्वारा कार्यक्रम का समन्वयन किया गया एवं संस्थानीय राजभाषा समिति द्वारा सम्पूर्ण कार्यक्रम आयोजित किया गया
25.	समस्त अधिकारी एवं कर्मचारी	Occasion of “Swacchata hi seva स्वच्छता ही सेवा”	17/09/2024	आयोजित किया गया
26.	All officers & staff	Say no corruption: Commit to the nation भ्रष्टाचार का विरोध : राष्ट्र के प्रति समर्पित रहे	25/09/2024	Pledge taken
27.	समस्त अधिकारी एवं कर्मचारी	हिंदी कार्यशाला	30/09/2024	आयोजित की गई
28.	All officers & staff	National webinar on “Increasing bioavailability of Minerals for alleviation anaemia”	30/09/2024	Organized
29.	All officers & staff	Seminar on “Biomedical waste management- Ensuring Safe and Environment friendly Disposal”	01/10/2024	Organized
30.	Giri S K Umesh B	Geriatric free medical health checkup for senior citizen at clinical section OPD, Thulasithota, Balepete, Bengaluru	22/10/2024	Participated
31.	All officers & staff	Run for Ayurveda	28/10/2024	Organized
32.	All officers & staff	Vigilance awareness week occasion- Observance of Vigilance Awareness Week, 2024 on theme "Culture of Integrity for Nation's Prosperity"	28/10/2024 to 03/11/2024	Various activities i.e. administration of pledge, essay writing and Guest lecture were conducted during the week on 30.10.2024
33.	समस्त अधिकारी एवं कर्मचारी	आयुर्वेद दिवस का समापन समारोह	30/10/2024	भाग लिया
34.	All officers & staff	“Prameha Chintanam” Recent advances in Ayurvedic Management of Diabetes Mellitus- Introduction to Research Methodology	14/11/2024	Students from Hillside Ayurveda Medical College, Sri Sri Ayurveda Medical College and Shri Kalabhairaveswara Ayurveda Medical College, Bengaluru

35.	All officers & staff	Pledge taken on the constitution day of India	26/11/2024	Organized
36.	समस्त अधिकारी एवं कर्मचारी	त्रैमासिक राजभाषा हिंदी कार्यशाला	27/12/2024	आयोजित की गई।
37.	All officers	Awareness programme on Pharmacovigilance	03/01/2025	Conducted
38.	All officers	"Ayush Medical Coding and Records Day"	10/01/2025	Conducted
39.	All officers & staff	Awareness programme on understanding tuberculosis for effective patient care	28/01/2025	Conducted & Taken pledge
40.	All officers & staff	NABH Orientation Training	04/02/2025	Conducted
41.	All doctors & Hospital staff	Training on "Basic Life Support (BLS)/Cardiopulmonary Resuscitation (CPR) & Prescription writing as per NABH Standards"	21/02/2025	Conducted
42.	All Officers and Staff	Responsibilities of sponsor, monitoring and auditing of research projects.	07/03/2025	CCRAS, New Delhi.
43.	समस्त अधिकारी एवं कर्मचारी	त्रैमासिक राजभाषा हिंदी कार्यशाला	22/03/2025	आयोजित की गई
44.	All Officers and Staff	Webinar for sensitization of the CCRAS officers regarding "CCRAS Publication policy"	27/03/2025	CCRAS, New Delhi

3. Seminar/Webinar/Conference/Workshop/Training/Symposium attended or participated by the staff or officers of the Institute.

Sr. No.	Name of the Participant (s)	Title of the Training/ Conference / Workshop / Seminar / Webinar / Other programs	Organizer (s)	Date of Participation	Remark (s), if any
7.	Shubhashree MN	"Pharmacovigilance- Clinical Perspective"	A Diksha Academy & KLE Shri BM Kankanawadi Ayurveda Mahavidhalaya Belagavi.	04/04/2024	Participated and presented
8.	Ritu Sinha Nazneen Bhavana R	International live interactive webinar on "Cytogenetics to Functional Genomics: A Journey with Prof. P.K. Gupta"	Bioingene	06/04/2024	Attended
9.	Shubhashree MN	"AyushSuraksha: The Pharmacovigilance Program of Ayurveda"	Ayurveda Medical Association Research Foundation.	22/04/2024	Participated

10.	Ritu Sinha Bhavana R Suresh Kumar	International live interactive webinar on “Crop Biofortification for Nutritional Security”	Bioingene	29/04/2024	Attended
11.	Suresh Kumar	Webinar on Breeding for sustainable production to meet the challenges of climate change.	Bioingene.	01/05/2024	Participated
12.	Bhavana R Ritu Sinha Suresh Kumar	International interactive webinar on Breeding for sustainable production to meet the challenges of climate change”	Bioingene	01/05/2024	Attended
13.	All officers & staff	Online training on upgraded version of eOffice	IT Section, CCRAS, New Delhi	03/05/2024	Attended
14.	Bhavana R	International interactive webinar-“Applications of Artificial intelligence in Research Article Search and writing”	Bioingene	18/05/2024	Attended
15.	डॉ. राजेन्द्र कुमार	कंठस्थ कार्यशाला	केन्द्रीय रेशम बोर्ड, बेंगलुरु, वस्त्र मंत्रालय, भारत सरकार नगर राजभाषा कार्यान्वयन समिति (नराकास) बेंगलुरु ।	22/05/2024	भाग लिया
16.	Dr. Giri S K	Training workshop on “Integrative Oncology Research Course through VC”	NCI Collaboration with Ayush, CCRAS, New Delhi	29/05/2024 to 30/05/2024	Attended
17.	Bhavana R	Webinar on “In Vitro and In silico screening for antiviral natural compounds”	ALTEM Technologies	30/05/2024	Attended
18.	Bhavana R	Hands-on workshop on Data Analytics	Clarity Biotek	10/06/2024 to 15/06/2024	Participated
19.	Shubhashree MN	Online Vaidya Sammilana on Management of Neurological Disorders by Dr. Sukesh MK	Tribhuvan Holistic Health Foundation	16/06/2024	Participated
20.	Shubhashree MN	Training about ABHA Creation and health record linking	Ministry of Ayush	19/06/2024	Attended
21.	Shubhashree MN	Workshop on Research Capacity building of Ayush professionals	ICMR NIE, Chennai	23/06/2024 to 30/06/2024	Attended
22.	Rajendra Kumar	Sensitization Programme for Empanelment of Ayush Hospitals for Insurance Coverage for Ayush	National Institute of Unani Medicine (NIUM), Bengaluru & Ministry of Ayush, Govt. of India	28/06/2024	Participated

		stakeholders and government officials			
23.	Bhavya BM Shubhashree MN	Sensitization Training Session for the Reviewers organized by CCRAS Hqrs., Janakpuri, New Delhi for reviewing the proposals received for PG STAR Session 02	CCRAS, New Delhi	10/07/2024	Participated as a reviewer
24.	Vidyashree Anchan	NIMHANS Alumni Conference 2024 (Reconnect, Revitalize, Rejoice)	NIMHANS, Bengaluru	13/07/2024 to 14/07/2024	Participated
25.	Shubhashree MN	Online workshop on ethics committee management: current advances – attended	Forum For Ethics Review Committees In India	20/07/2024	Participated
26.	Shubhashree MN	EBSCO Medline Complete and Cochrane Collection Plus session	CCRH	21/07/2024	Participated
27.	Shubhashree MN	CCRH eLibrary Consortium Orientation session.	CCRH	26/07/2024	Participated
28.	Vidyashree Anchan	Online training program on “Approach and Management of Challenging Behavior from Toddlers to Teens”	Centre for Child Development and Disabilities in association with Sangamitra Early Learning and Sensory Integration Centre, Bengaluru	01/06/2024 to 27/07/2024	Participated
29.	राजेन्द्र कुमार	राजभाषा नियम और उनका कार्यालयी कार्यों में अनुपालन विषय पर हिंदी कार्यशाला में व्याख्यान	क्षेत्रीय आयुर्वेद अनुसन्धान संस्थान, ईटानगर	24/08/2024	व्याख्यान प्रस्तुत किया
30.	Giri S K, Rajendra Kumar Vidyashree Anchan	Investigators and project personnel training for good clinical practice and public health research programme	CARI, Bengaluru	27/08/2024 to 28/08/2024	Participated
31.	All officers & staff	E-Office training	CARI, Bengaluru and IT Section, CCRAS, New Delhi	28/08/2024 to 29/08/2024	Attended
32.	Rama Rao V Ritu Sinha Bhavana R Nazneen	National Webinar on Drug Discovery in Traditional Medicine.	NIIMH, Hyderabad	03/09/2024 to 04/09/2024	Attended
33.	Vidyashree Anchan	Research Ethics and GCP Training Program	National Ayurveda Research Institute for Panchakarma (NARIP), CCRAS, Cheruthuruthy, Kerala	05/09/2024	Participated

34.	Doddamani SH	Three-day Training Programme on Research Methodology & Scientific Writing.	Rashtriya Ayurveda Vidyapeeth, New Delhi in association with Faculty of Ayurveda, Institute of Medical Sciences, Banaras Hindu University, Varanasi	11/09/2024 to 13/09/2024	Participated
35.	Rajendra Kumar	National Webinar on Increasing Bioavailability of Minerals for Alleviating Anaemia	Central Ayurveda Research Institute, Bengaluru	14/09/2024 to 30/09/2024	Participated
36.	राजेन्द्र कुमार	हिंदी दिवस एवं चतुर्थ अखिल भारतीय राजभाषा सम्मेलन 2024, भारत मंडपम, नई दिल्ली	राजभाषा विभाग, गृह मंत्रालय, भारत सरकार	14/09/2024 से 15/09/2024	कार्यक्रम में भाग लिया
37.	Rama Rao V	3 rd Edition of World Food India 2024 (WFI 2024) at Pragati Maidan, New Delhi	CCRAS, New Delhi	19/09/2024 to 22/09/2024	Participated and displayed Ayush Aahar at the exhibition.
38.	Rama Rao V Ritu Sinha Bhavana R Nazneen	National Webinar on “Management of Anaemia through Ayurveda”.	RARI, Jammu	23/09/2024	Attended
39.	Shubhashree MN	Webinar on Transforming clinical trials: Launch of Guidance for best practices for clinical trials.	Organized by WHO	25/09/2024	Attended
40.	Shubhashree MN	Traditional nutritious food competition at Agara Anganwadi, Bengaluru	Govt. of Karnataka & CARI, Bengaluru	27/09/2024	Attended
41.	All Officers & staff	National Webinar on Enhancing the Bioavailability of Iron for the alleviation of anemia.	CARI, Bengaluru	30/09/2024	Attended
42.	All Officers & staff	Training on Bio-Medical Waste Management- Ensuring Safe & Environment Friendly Disposal	Central Ayurveda Research Institute, Bengaluru	01/10/2024	Participated
43.	Shubhashree MN	Modern and Traditional Approaches in Pharmacotherapeutics in Neuroscience and Mental Health (Manthanam-2024)	NIMHANS, Benglauru	04/10/2024 to 06/10/2024	Participated
44.	Rama Rao V Nazneen Bhavana R	Online training on “Digitalization of Herbarium with special emphasis on	CARI, Kolkata	08/10/2024	Participated

	Ritu Sinha	utilization of barcode and colour chart”			
45.	Rama Rao V Nazneen Bhavana R Ritu Sinha	Online training on “Digital Data collection system of Medico-Ethno Botanical Survey program”	CARI, Kolkata	15/10/2024	Participated
46.	All Research officers	Press Conference On 100 Days Achievement of The Ministry of AYUSH at Press club, Bengaluru.	CARI, Bengaluru	15/10/2024	Attended & Addressed press conference
47.	Rajendra Kumar	Webinar on Mastering Data Management Plans: Ensuring Accessibility, Reusability and Data Persistence	INFLIBNET Centre Gandhinagar	23/10/2024	Attended
48.	Rama Rao V Nazneen Bhavana R Ritu Sinha	Training on “Digitization of herbarium sheet”	CARI, Kolkata	23/10/2024	Participated
49.	Bhavya BM	Yoga Break at Workplace	Morarji Desai National Institute of Yoga (MDNIY)	24/10/2024	Attended
50.	SH Doddamani Vidyashree Anchan	Training program for the project “General health screening with special focus on selected disease conditions (Tuberculosis, Anemia, Sickle cell disease & Malnutrition) and Ayurveda management of Anaemia & Malnutrition in students of Eklavya Model Residential Schools (EMRS)”	Regional Ayurveda Research Institute (RARI) Nagpur, CCRAS, Ministry of AYUSH.	24/10/2024 to 25/10/2024	Participated
51.	Bhavya BM	Prevention of Sexual Harassment of Women at Workplace.	Institute of Secretariat Training and Management through iGOT Karmayogi portal	28/10/2024	Attended
52.	Bhavya BM	Code of Conduct for Government Employees.	Institute of Secretariat Training and Management through iGOT Karmayogi portal	28/10/2024	Attended
53.	Shubhashree MN	Sensitization Programme for empanelment of Ayush hospitals General Insurance companies for States of Tamil Nadu, Kerala Karnataka, Andhra Pradesh, Puducherry and Telangana	National Institute of Siddha, Tambaram Sanatorium, Chennai	08/11/2024	Participated

54.	Rama Rao V Nazneen Bhavana R	IKS-TKDL Workshop-6 on “Traditional Knowledge Intellectual Property & People’s Rights”	The Indian Knowledge Systems (IKS) Division of the Ministry of Education, in collaboration with the CSIR-Traditional Knowledge Digital Library (TKDL) Unit	10/12/2024 to 16/12/2024	Participated
55.	Shubhashree MN	Prakriti Training at JSS Ayurveda Medical College, Bengaluru	CARI, Bengaluru	27/12/2024 to 28/12/2024	Participated
56.	राजेन्द्र कुमार	क्षेत्रीय राजभाषा सम्मेलन 2025 (दक्षिण, दक्षिण पश्चिम क्षेत्र)	राजभाषा विभाग, गृह मंत्रालय, भारत सरकार	04/01/2025	भाग लिया
57.	Shubhashree MN Bhavya BM	IEC meeting to discuss about the project proposals.	CARI, Bengaluru	08/01/2025	Attended
58.	राजेन्द्र कुमार	संगोष्ठी विश्व हिंदी दिवस	नराकास, केन्द्रीय रेशम बोर्ड, बेंगलुरु	10/01/2025	भाग लिया
59.	Bhavya BM	Online Review meeting to discuss the progress of STG of Diabetes Mellitus.	DGHS, Ayush vertical	15/01/2025	Participated as an author
60.	Shubhashree MN Bhavya BM	Meeting with Prof. K.N. Balaji, Dept. of Microbiology and Cell Biology, Indian Institute of Science, Bengaluru on “Explore the possibilities of a collaborative study of Anti-microbial resistance”.	CARI, Bengaluru	21/01/2025	Attended
61.	Sulochana Bhat Shubhashree MN	Meeting with Prof. Swaminathan at IISc, Bengaluru to discuss about “Integrative Medicine facility at upcoming TA-IISc Medical School”	CARI, Bengaluru	23/01/2025	Attended
62.	Rajendra Kumar	Workshop on Agnikarma cum Alumni Meet	NIA Jaipur	24/01/2025 to 25/01/2025	Attended
63.	Shubhashree MN Rama Rao V	Meeting at GKV reg. Panchavalkala collabrative project with Dr. Srinivas, HOD, Dept. of Medicinal & Aromatic plants	CARI, Bengaluru & GKV, Bengaluru	29/01/2025	Attended
64.	Shashidhar Doddamani, Vidyashree Anchan	For discussion and execution of the project titled "Elucidating mechanisms of anti-hyperglycemic activity of selected herbal formulations	Interactive Research School for Health Affairs (IRSHA), Bharati Vidyapeeth deemed to be University, Pune	30/01/2025 to 31/01/2025	Attended

65.	Shubhashree MN	Monitoring visit at ICMR-NITM Belagavi for Ayush-ICMR joint clinical trial on Iron Deficiency Anaemia	CCRAS & ICMR, Delhi.	30/01/2025	Participated
66.	Vidyashree Anchan	Training on “Cognitive and skills evaluations in accordance with the curriculum of the American Heart Association Basic Life Support (CPR and AED) Program”	Basic Life Support-American Heart Association	20/02/2025	Participated
67.	Vidyashree Anchan	Webinar on “Pre-Analytical Errors in the Laboratory”.	Mindray Chemistry Academy	21/02/2025	Attended
68.	Bhavana R	Two-day international conference on “Bridging Science and communities in Biodiversity Conservation and Eco restoration”	Kerala State Biodiversity Board & Hornbill Foundation	24/02/2025 to 25/02/2025	Attended
69.	Dr. V. Rama Rao	05 Days Capacity Building Training Programme on “Quality Control and Standardization of Asu&H Drugs”	PCIM&H, Ghaziabad	03/03/2025 to 07/03/2025	Participated
70.	Mrs. Nazneen Mrs. Ritu Sinha	National Workshop on Research Methodology & scientific writing	RARI, Tadong Gangtok Sikkim	05/03/2025 to 06/03/2025	Attended
71.	Sulochana Bhat, Shubhashree MN	Longevity India Rise for Healthy Aging	Indian Institute of Science (IISc), Bengaluru	10/03/2025	Attended
72.	Smt. Bhavana R.	International Workshop on "Effective Research Management with MS Office: A Hands-On Workshop	Scholars Gate - Research Training Institute, Tamil Nadu, India	10/03/2025 to 12/03/2025	Participated

Meetings/Camps/Lectures/other programs participated by the staff & officers of the Institute.

Sr. no.	Name of the Participant (s)	Title of the Meeting / Campaign / Lectures / Program	Organizer (s)	Date of Participation	Remarks
1.	Shubhashree MN	IEC meeting	Sri Sri Institute of Ayurveda	14/05/2024 to 15/05/2024	Attended
2.	Rama Rao V Bhavana R	MPR meeting- Discussions on submission of SoE of ongoing MEBS projects and review of the projects	MPR Section, CCRAS, New Delhi	15/05/2024	Attended
3.	Rama Rao V Bhavana R	MPR meeting- Discussions on submission of SoE of ongoing Pharmacognosy projects and review of the projects	MPR Section, CCRAS, New Delhi	16/05/2024	Attended
4.	Rama Rao V Bhavana R	MPR meeting- Discussions on submission of SoE of ongoing cultivation projects and review of the projects	MPR Section, CCRAS, New Delhi	17/05/2024	Attended
5.	Shubhashree MN	Meeting with Vice Chancellor (Dr. Ahalya Sharma)	Sanskrit University	24/05/2024	Attended
6.	Sulochana Bhat Shubhashree MN Rama Rao V	Review meeting with DG, CCRAS reg. collaborative projects	CCRAS Headquarters	05/06/2024	Attended
7.	Giri SK	VC Meeting of focus group MHR to finalize the protocol on GAD Submitted by Dr.Kavitha Vyas. R.O(ay), RARI, Mandi	Co-coordinator Focus Group MHR	05/06/2024	Attended as focus group member

8.	Bhavya BM	Formulation and product development of Ayurveda recipes and nutritional evaluation of selected products	CCRAS, New Delhi	05/06/2024	Review meeting for the ongoing collaborative project at CFTRI, Mysuru
9.	Bhavya BM	“Evaluation of Effect of Ayurvedic Interventions in the Management of frequent Refractive changes Associated with Diabetes: A Randomized Controlled Clinical Trial”	Meeting by Focus Group for clinical research in eye and ENT diseases, CCRAS, New Delhi	06/06/2024	Proposal approved for submission to headquarters
10.	Bhavya BM	Standard Treatment Guidelines of Ayurveda for Diabetes.	CARI, Bengaluru	07/06/2024	Meeting with members of advisory committee to finalize the draft document
11.	Shubhashree MN	Meeting with Dr. Pushpa Sarkar (Dean) Dayanand Sagar College of Pharmacy	CARI, Bengaluru	07/06/2024	Attended
12.	Shubhashree MN	IEC meeting at Samatvam	Samatvam, Bengaluru	08/06/2024	Attended
13.	Shubhashree MN	Meeting with Dr. Pratibha Nadig Dayanand Sagar Medical College, Bengaluru	CARI, Bengaluru	11/06/2024	Attended
14.	Rama Rao V	CCRAS-MPR focus group coordinators meeting	CCRAS, New Delhi	12/06/2024	Attended
15.	Nazneen Bhavana R Ritu Sinha	Review on Ongoing Anukta Dravyas Project	MPR Section, CCRAS, New Delhi	14/06/2024	Attended
16.	Rama Rao V Nazneen Bhavana R	MPR meeting- Discussions and review on completed	MPR Section, CCRAS, New Delhi	19/06/2024	Attended

	Ritu Sinha	projects in Medicinal Plants Research			
17.	Rama Rao V Nazneen Bhavana R Ritu Sinha	MPR-MEBS focus group meeting	CCRAS, New Delhi	20/06/2024	Conducted the MEBS meeting
18.	Bhavya BM	"Evaluation of Ayush-GMH in the subjects of mild to moderate Non-alcoholic fatty liver disease (NAFLD)-A double blind randomized control clinical study"	CCRAS, New Delhi	21/06/2024	Review meeting for the ongoing collaborative project at KAHER, Belgaum
19.	Rama Rao V	Consultative Committee Meeting (CCM) on Medicinal Plants	Government eMarketplace (GeM), Ministry of Commerce & Industry	27/06/2024	Consultative Committee Meeting (CCM)
20.	Sulochana Bhat	Meeting with Dr. Subarna Roy, Director & Scientist	ICMR-NITM Belagavi	03/07/2024	Attended
21.	Sulochana Bhat Kishore Patel	Visit to KAHER's Shri BM Kankanawadi Ayurveda Mahavidyalaya, Belagavi post graduate studies & Research Centre	CARI, Bengaluru CARI, New Delhi & CPWD officials	03/07/2024	Attended
22.	Shubhashree MN	Meeting at AVP Coimbatore regarding finalization of AMRA 2 protocol	CCRAS New Delhi	03/07/2024 to 05/07/2024	Attended
23.	Shubhashree MN	IEC Meeting at CARI	CARI, Bengaluru	06/07/2024	Attended
24.	Rama Rao V Bhavana R Ritu Sinha	MPR meeting- New project concept notes presentation under cultivation	MPR Section, CCRAS, New Delhi	11/07/2024	Presented a concept note- Standardisation of Kunapajala

25.	Rajendra Kumar	Internal Scrutiny Committee (ISC) Meeting	CCRAS Headquarters	12/07/2024	Present a proposal for a collaborative research project
26.	Bhavya BM	23rd Meeting of the Internal Scrutiny Committee (ISC) of CCRAS for finalization of Proposal on Netra Kriyakalpa's	CCRAS, New Delhi	12/07/2024 to 15/07/2024	Proposal presentation
27.	Rama Rao V	CCRAS-MPR focus group coordinators meeting	CCRAS, New Delhi	18/07/2024	Participated in the discussion and given inputs
28.	Giri SK	V C Meeting of focus group MHR to finalize the protocol on GAD Submitted by Dr.Kavitha Vyas. R.O(ay), RARI, Mandi	Co-ordinator Focus Group MHR	19/07/2024	Attended as focus group member
29.	राजेन्द्र कुमार	नगर राजभाषा कार्यान्वयन समिति बैठक	नगर राजभाषा कार्यान्वयन समिति, कार्यालय-1 बेंगलुरु (यु आर राव सेटेलाइट सेंटर, बेंगलुरु)	19/07/2024	भाग लिया
30.	Rama Rao V Nazneen Bhavana R	MPR meeting-Discussion on MEBS Anthology Project	MPR Section, CCRAS, New Delhi	24/07/2024	Attended
31.	Sharada Anand Poorvi Priscilla A.	IEC meeting	Samatvam Endocrinology Institue, Bengaluru	27/07/2024	Participated
32.	Rama Rao V Nazneen Bhavana R Ritu Sinha	MPR meeting-Discussion on New Project Proposals on MEBS	MPR Section, CCRAS, New Delhi	12/08/2024	Conducted the meeting, participated in the discussion and given inputs

33.	Rama Rao V	MPR meeting- Discussion on project upadate- Anthology of Pharmacognostica I research outcomes of CCRAS on Selected medicinal plants used in Ayurveda”	MPR Section, CCRAS, New Delhi	23/08/2024	Participated in the discussion
34.	Bhavya BM	Discussion on Draft of Standard treatment guidelines for Diabetes mellitus in Ayurveda with DGHS	CCRAS, New Delhi	27/08/2024	Internal review meeting with Dr. Raghu, Deputy Advisor, MoA, New Delhi
35.	Sulochana Bhat	Meeting with Dr. Ramaprasad TR & Dr. Sridevi Annapurna Singh	CSIR-CFTRI, Mysuru	31/08/2024	
36.	Giri SK	Geriatric Health Camp through Ayushman Arogya mandir at Govt Ayurveda Dispensary (GAD), Somanahalli, Bengaluru South	CARI, Bengaluru in association with State Ayush Department	10/09/2024	Participated as a Coordinator
37.	Nazneen Bhavana R Ritu Sinha	MPR meeting- Discussion on project proposal submission to NMPB	MPR Section, CCRAS, New Delhi	18/09/2024	Participated in the discussion.
38.	Nazneen Bhavana R Ritu Sinha	MPR meeting discussion on status of medicinal plant garden with reference to Himalayan Plants Conservation	MPR Section, CCRAS, New Delhi.	25/09/2024	Attended
39.	Doddamani SH	IEC Meeting	Sri Kalabhareshwara Ayurveda College, Bengaluru	30/09/2024	Participated

40.	Rama Rao V Nazneen Bhavana R Ritu Sinha	MPR meeting to discuss the IMR and Collaborative MEBS Project proposal	MPR Section, CCRAS, New Delhi	03/10/2024	Attended
41.	Rama Rao V Nazneen Bhavana R Ritu Sinha	ISC Meeting	MPR Section, CCRAS, New Delhi	04/10/2024	Attended
42.	Rama Rao V Nazneen Bhavana R Ritu Sinha	MPR on new project proposal to NMPB-reg	MPR Section, CCRAS, New Delhi	07/10/2024	Attended
43.	Shubhashree MN	Awareness programme on PV at Sushrutha Ayurvedic Medical College and Hospital, Bengaluru	CARI, Bengaluru	19/10/2024	Participated
44.	Bhavya BM	Review meeting on Control of Non-communicable diseases through Gruha Arogya Programme (Home Health)	AYUSH Directorate, Bengaluru	21/10/2024	In the presence of PS, AYUSH Commissioner, Govt. of Karnataka through Zoom along with Ayush medical officers
45.	All officers & staff	9 th Ayurveda day celebration (CoE in Ayurveda for Diabetes and Metabolic disorders)	IISc Bengaluru	29/10/2024	Attended
46.	Bhavya BM	Proposal on Netra Kriyakalpa's	CCRAS, New Delhi	19/11/2024	Presented 2 Project proposal for approval by PEMC committee
47.	Bhavya BM	Project entitled, "Documentation of life profiles of luminaries in the field of Ayurveda 2024"	CCRAS, New Delhi	26/11/2024	Interview of Luminary for life profile
48.	Rama Rao V Nazneen	VC Metting to discuss the	CCRAS, New Delhi	03/12/2024	Attended

	Bhavana R Ritu Sinha	collaborative opportunities in the field of traditional medicine			
49.	Rama Rao V Nazneen Bhavana R Ritu Sinha	VC Metting to discuss the review of completed /ongoing MEBS & cultivation IMR Projects of the Institute under the MPR Section	MPR Section, CCRAS, New Delhi	06/12/2024	Participated
50.	Bhavya BM	Prakriti Parikshan of Citizens under Desh ki Prakriti Parikshan campaign	NCISM, New Delhi	10/12/2024 to 22/12/2024	As a volunteer assessed Prakriti of 42 Participants
51.	Bhavya BM	Review meeting on budget related finalization (recommended by PEMC) for Clinical Consensus projects of Kriyakalpa Procedures	CARI, Bengaluru	18/12/2024	Focus group of Eye & ENT participated in the meeting
52.	Rama Rao V Nazneen Bhavana R Ritu Sinha	VC Metting to discuss format for documentation of wild edible plants, documentation dietary practices and Indigenous rituals and cultures	CCRAS, New Delhi	09/01/2025	Attended
53.	Rama Rao V Nazneen Bhavana R Ritu Sinha	VC Meeting to discuss documentation of utilization of plant, animal and mineral products	CCRAS, New Delhi	03/02/2025	Attended
54.	Rama Rao V Nazneen Bhavana R Ritu Sinha	Review meeting on ongoing and completed IMR Projects	CCRAS, New Delhi	21/02/2025	Attended
55.	All Officers	Dr. Subodh Kumar IAS, Director & Dr. Rupali Bhalerao,	-	04/03/2025	Attended

		Sr. Consultant, Ministry of Ayush visit to review “Centre of Excellence” Scheme			
56.	Sulochana Bhat	Avalokan 2025	At Jaipur by CCRAS New Delhi	21/03/2025 to 22/03/2025	Presented concise report on pending and ongoing issues of Institute
57.	Dr. V. Rama Rao, Smt. Nazneen Smt. R.Bhavana Smt. Ritu Sinha	VC Meeting to finalize the strategies of documentation & validation of LHTs collected through MEBS and THCRP	CCRAS, New Delhi	26/03/2025	Attended
58.	सभी अधिकारी एवं राजभाषा समिति सदस्य	संस्थान का राजभाषा हिंदी सम्बन्धी निरिक्षण किया गया	क्षेत्रीय कार्यान्वयन कार्यालय, दक्षिण बेंगलुरु, के उपनिदेशक हिंदी निरिक्षण	26/03/2025	निरिक्षण की गई

a. Presentations/guest lecture/resource person in a program or meeting

Sr. No.	Name of the Participant (s)	Title of the presentation / Program / Lecture	Organizer (s)	Date of Participation	Remark (s), if any
1.	Chandini Chandrasekharan	Patient training program (30 participants).	CARI, Bengaluru	30/04/2024	Conducted a training program (as a resource person).
2.	Shubhashree MN Doddamani SH	Training programme on CCRAS “Prakriti” Assessment scale with AYUR Prakriti Web portal.	Rajiv Gandhi Education Society’s Ayurvedic medical college, Hospital and post graduate research centre, Ron	03/06/2024 to 04/06/2024	Attend as a resource person
3.	Giri SK	All India Ayush Post-Graduate Entrance Test (AIAPGET) 2024, at Mangaluru.	NCSIM, M/O of Ayush, Govt. of India & NTA M/O of Education, Govt of India	05/07/2024 & 06/07/2024	Attended as Observer
4.	Rama Rao V	CCRAS-MPR focus group coordinators meeting	CCRAS, New Delhi	18/07/2024	Participated in the discussion

					and given inputs
5.	Shubhashree MN	Pharmacovigilance awareness programme at Adichunchungiri Ayurvedic Medical College- 42 participants attended	CARI, Bengaluru & Adichunchungiri Ayurvedic Medical College	25/07/2024	Present a lecture
6.	Shubhashree MN	Pharmacovigilance awareness programme at Sri Sanatana Paripurna Ayurvedic Medical college 47 participants attended	CARI, Bengaluru and Sri Sanatana Paripurna Ayurvedic college	25/07/2024	Present a lecture
7.	Bhavya BM	Training in Ayur Prakriti Web Portal at Sri Sri College of Ayurvedic Health Sciences, Bengaluru	CCRAS, New Delhi	04/09/2024 to 05/09/2024	Participated as a resource person (30 participants)
8.	Sharada Anand Poorvi Priscilla A.	Induction program for BE Students of Jyothi Institute of Technology, Bengaluru	CARI, Bengaluru	24/09/2024	Participated as a resource person (120 participants)
9.	Rajendra Kumar	Training Programme on CCRAS 'Prakriti Assessment Scale with AYUR Prakriti Web Portal	Sri Jagatguru Gavisidheswar Ayurveda Medical College (SJGAMC), Koppal, Karnataka	25/10/2024 to 26/10/2024	Delivered lectures and imparted training
10.	Bhavya BM	Review meeting with CCRAS hqrs, for SOP Kriyakalpa projects for forthcoming PEMC	CCRAS, New Delhi	04/11/2024	Presented project proposal
11.	Bhavya BM	Training Programme on CCRAS 'Prakriti Assessment Scale with AYUR Prakriti Web Portal at SDM, Udupi	CCRAS, New Delhi and SDM, Udupi	29/11/2024 to 30/11/2024	As a resource person
12.	Doddamani SH	International conference on Plant Biotechnology for Sustainable Productivity and Environment on "Misconception about Heavy metals and Ayurveda medicine"	Manipal School of Life Sciences, MAHE, India	09/12/2024 to 10/12/2024	Participated as a Speaker
13.	Doddamani SH	Samskara -PG orientation Program on	GAMC, Bengaluru	18/12/2024	As a resource person

		“Avenues and Research in Ayurveda”			
14.	Shubhashree MN	Speak about CCRAS Achievements under the title “Know your research organization: CCRAS”	Government Ayurveda Medical College, Bengaluru	23/12/2024	As a guest speaker
15.	Bhavya BM	Reviewed 2 allotted SPARK-03 Proposals. “SPARK/224/5080/916 & SPARK/2024/5546/893	CCRAS, New Delhi	27/12/2024	As an external Reviewer
16.	Doddamani SH	Samskara -PG orientation Program on “CCRAS and Research Network”	Sri Sri Ayurveda College and Hospital, Bengaluru	28/12/2024	As a resource person
17.	Doddamani SH	Invited as a chief guest in Annual Day Celebration programme “Shrunkhala-2025”	MRN Group of Medical Institutions, Bagalkot	19/01/2025	Attended as Chief Guest
18.	Giri SK	Motivational speech to researchers on “Evolution, revolution meeting reality is new age innovative research	Sushrutha Ayurveda Medical College, Bengaluru	28/01/2025	As a guest speaker
19.	V Rama Rao	International Symposium on Plant Taxonomy, Ethnobotany and Botanic Gardens “Changing Paradigm of Indian Flora: Vision 2047”	Botanical Survey of India, Kolkata	13/02/2025 to 15/02/2025	Presented on “Noteworthy Endemic Plants of Karnataka: A value addition to the Floristic Diversity”
20.	Shubhashree MN	Present a lecture on “Drug interaction & pharmaceutical on Pharmacovigilance” in Annual Seminar on Pharmacovigilance (Hybrid mode).	Peripheral Pharmacovigilance Centre (PPvC) and VPSV Ayurveda College Kottakkal, Kerala and Ayush Suraksha (Pharmacovigilance of Ayurveda, Siddha, Unani & Homoeo drugs).	25/02/2025	Attended as a Guest
21.	Bhavya BM	Training Programme on CCRAS “Prakriti Assessment Scale with AYUR Prakriti Web Portal” at Sri Dharmasthala	CCRAS, New Delhi & SDMIAH, Bengaluru	02/02/2025 to 28/02/2025	As a resource person

		Manjunatheshwara Institute of Ayurveda and Hospital, Anchepalya, Bengaluru to teaching staff			
22.	Shubhashree MN	Annual Pharmacovigilance awareness programme and delivered lecture on “Clinical and Pharmaceutical aspects of Pharmacovigilance in ASU&H Systems”	Government Ayurveda Medical College, Bangalore	20/03/2025	As a guest speaker

b. Completion of Course/ Program by staff(s)/officers(s) of the Institute.

Sr. no.	Name of the Staff (s) / Officer (s)	Title of the Course / Program	Organizer (s)	Date of Participation	Remarks
1.	Dr. SH Doddamani Dr. Thejaswini C Dr. Rajendra Kumar	ePost Graduate Program in Epidemiology (ePGPEPI)	Indian Institute of Public Health, Delhi	April 2024- March 2025	All assessment completed. Final result is pending
2.	SK Giri, Rajendra Kumar	Integrative Oncology Research Course	Office of Cancer Complementary and Alternative Medicine, Bethesda US & CCRAS, New Delhi	29/05/2024 to 30/05/2024	Attended
3.	SK Giri, Rajendra Kumar Bhavya BM	WHO Course on Research Ethics Online Training	The Global Health Training Centre	June 2024	Attended
4.	Vidyashree Anchan	Six month Certificate Course in Integrative Medicine (CCIM)	Dept. of Integrative Medicine, NIMHANS, Bengaluru in collaboration with S- VYASA University & NIMHANS Digital Academy, Bengaluru	(June 2024 to Nov. 2024) completed on 19/11/2024	A six-month certified course completed
5.	Bhavya BM	Advanced Training Course on Sample Size Determination and Power Analysis in Health Research	Resilient Foundation for Academic Innovation and Scientific Research, New Delhi	18/11/2024 to 20/11/2024	Completed course

c. MoU with other Institutions regarding execution of various research projects:

Sl. No.	Name of the Officer(s) / Delegates	Title/ Context of the MoU	Participating Institutes	Date of Execution	Remark(s) if any
1.	Dr. Sulochana Bhat Dr. Rajendra Kumar	Post-Doctoral research	Dayananda Sagar Academy of Technology & Management, Bengaluru	01/04/2024	Signed
2.	Dr SH Doddamani Dr. Vidyashree Anchan	Execution of EMRS Proejct	Department of Ayush, Govt. of Karnataka	24/12.2024	Signed

4. Organized Arogya/Mela/Exhibition/Camp/Others:

Sl. No.	Name of the Participant(s)	Title of the Fair/ Exhibition/Ceremony Program /Activity	Organizer(s)	Date of Participation	Remarks
-	-	-	-	-	-

5. Participated in Arogya Mela/Exhibition/Camps/others:

Sl. No.	Name of the Participant(s)	Title of the Fair/ Exhibition/Ceremony Program /Activity	Organizer(s)	Date of Participation	Remarks
1	Dr. Rajendra Kumar	12 th International Congress of Society of Ethnopharmacology & International Conference on Innovations in Drug Technology & Phytopharmaceuticals (IDTP)	Society for Ethnopharmacology (India), Kolkata; KLE College of Pharmacy, Belagavi & Indian Council of Medical Research (ICMR)- National Institute of Traditional Medicine, Belagavi	06/04/2025 to 08/03/2025	Participated on behalf of and put up a stall to exhibit activitite of CCRAS

PART-A

7. CLINICAL RESEARCH

7.1. Brief progress report of allotted programmes as per format

i. Clinical Research (Brief resume of the clinical research carried out since inception)

1. Kuposhana (Malnutrition):

- a) Title of the study: Clinical evaluation of herbal formulations in the management of Kuposhana (Malnutrition)
b) Year and month of starting the study: 28th February 1996
c) Year and month of ending study: November 1996
d) Principal drugs taken for clinical evaluation / trial and supporting therapy.
Group I: 1. Ashwagandha Churna (A), 2. Shatavari Churna (S), 3. Amalaki Churna (A)
Group II: 1. Ashwagandha lehya
e) Duration of the treatment: 3 weeks
f) Diagnosis and response of the therapy based on Ayurvedic & modern parameters or both.
g) Results of the cases completed (Criteria for assessment)

DrugGroup	Good Response	Fair Response	Poor Response	No Response	LAMA	Total
ASA churna	9	0	0	0	1	10
AshwagandhavaLehya	9	0	0	0	1	10
Total	18	0	0	0	2	20

2. Arsha (Hemorrhoids)

- a) Title of the study: Clinical evaluation of herbo-mineral preparations in the management of Arsha (Haemorrhoids)
b) Year and month of starting the study: 13-10-2000
c) Year and month of ending the study: October 2007
d) Principal drugs taken for clinical evaluation / trial supporting therapy.

Group	Trial drugs	Dose
I.	KankayanaVati	500 mg thrice a day
	TriphalaChurna	5 gm at Bed time
	KasisadiTaila	2 ml before defecation (applied externally)
II.	Kravyadi Rasa	500 mg thrice a day
	TriphalaChurna	5 mg at Bed time
	KasisadiTaila	2 ml before defecation (applied externally)

- e) Duration of the treatment-21 days
f) Number of groups and number of cases under each group (year wise details together with study design is to be furnished).

Year of study	Group I	Group II	Total patients
2000-2001	10	2	12
2001-2002	25	16	41
2002-2003	19	18	37
2003-2004	13	11	24
2004-2005	21	10	31
2005-2006	14	11	25
2006-2007	11	7	18
2007-2008	7	10	17
Total	120	85	205

g) Results of the cases completed (indicate relief assessment criteria under each group).

Drug Group	Good Response	Fair Response	Poor Response	No Response	LAMA	Total
Group I	33	42	5	5	35	120
Group II	11	23	9	4	38	85
Total	44	65	14	9	73	205

3. Manodvega (Anxiety neurosis):

- Title of the Study: Clinical evaluation of Brahmi Vachaghanavati in the management of Manodvega (Anxiety neurosis)
- Year and month of starting the study : January, 2001
- Year and month of closure of the study : October, 2007
- Principal drugs for clinical evaluation/ trial supporting therapy: Brahmi-Vachaghanavati
- Duration of the treatment : 6 weeks
- Diagnosis and therapy response based on Ayurveda& modern parameters or both.
- Number of groups and number of cases under each group (year wise details together with study design is to be furnished)

Year wise group-I study

2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	Total
02	13	25	10	10	10	12	05	87

Study was conducted in a single group. It was planned to study 10 cases every year and to conduct open trial without standard or placebo.

h) Results of the cases completed (indicate relief assessment criteria under each group)

Drug Group	Good Response	Fair Response	Poor Response	No Response	LAMA	Total
Group I Brahmi Vacha Ghana vati	35	44	8	-	-	87

4. Tamaka Swasa (Bronchial asthma)

- Title of the problem: Evaluation of Shamana therapy and ShodanaChikitsa in the management of TamakaSwasa (Bronchial asthma)
- Year and month of starting the study : 1993 to 1994
- Year and month of ending the study : October 2007
- Principal drugs taken for clinical evaluation / trial and supporting therapy.
Group –I: Vardhamana pippali ksheera paka with Sameera Pannaga Rasa
Group –II: Shirishatwakkwatha
Group –III: Shodana therapy followed by Shirishatwakquatha
- Duration of the treatment- 6 weeks
- Number of groups and number of cases under each group (year wise details):
Patients were studied in 3 groups.
Group I - Vardhamanapippliksheerapaka, along with sameerapannaga rasa.
Group II - Shirishatwakkwatha.
Group III - Shodana followed by Shirishatwakquatha

In each group 5 patients were studied. It was an open trial so no standard or placebo was used.

S.No.	Year	Group I	Group II	Group III	Total
1.	1993-1994	5	5	nil	10
2.	2000-2001	1	7	nil	8
3.	2001-2002	1	13	11	25
4.	2002-2003	-	10	12	22
5.	2003-2004	Nil	8	1	9
6.	2004-2005	Nil	8	nil	8
7.	2005-2006	Nil	12	nil	12
8.	2006-2007	-	8	-	8
9.	2007-2008	Nil	6	nil	6
	Total	7	77	24	108

g) Results of the cases completed (indicate relief assessment criteria under each group).

SN	Drug Group	Good Resp	Fair Resp	Poor Resp.	No Resp.	Death	LAMA	Total
1.	Vardamana Pippali Ksheerapaka, Sameerapannaga rasa	2	3	-	1	-	1	7
2.	Shirishatwakkwatha	32	20	10	6	nil	9	77
3.	Shodhana followed by shamana	21	3	nil	nil	nil	nil	24
	Total	55	26	10	7	-	10	108

5. Vyanabalavaishamya (Hypertension)

a) Title of the project: Clinical evaluation of herbal and herbomineral formulations in the management of Vyanabalavaishamya (Hypertension)

b) Year and month of starting the study : January, 2000

c) Year and month of ending study : October, 2007

d) Principal drugs, taken for clinical evaluation / trial and supporting therapy.

Group	Drugs	Dose
Group I	Vacha, Brahmi, Arjuna, Jatamansi	3gms x TDS
Group II	Chandraprabhavati Swetha Parpati Punarnava Mandura	500mg 500mg 500mg x TDS

e) Duration of treatment: 6 weeks

f) Diagnosis and response of therapy based on Ayurveda and modern parameter or both.

Diagnosis and response to therapy was assessed as per C.C.R.A.S proforma

g) Number of group and number of cases under each group (Year wise details together with study design is to be furnished)

The study was conducted in two groups and it was proposed to study 10 patients every year in each group. The study was open trial and no placebo or standard was used.

Year of study	Group I	Group II	Total patients studied
2000-2001	11	2	13
2001-2002	14	11	25
2002-2003	8	10	18
2003-2004	12	9	21
2004-2005	11	1	12
2005-2006	12	5	17

2006-2007	11	11	22
2007-2008	7	1	8
Total	86	50	136

h). Results of the cases completed (indicate relief assessment criteria under each group)

Drug Group	Good Resp.	Fair Resp.	Poor Resp.	No Resp.	LAMA	Total
Group I: Arjuna Vachadi Yoga	21	25	15	5	20	86
Group II: ChandraPrabhadi yoga	13	13	12	6	6	50
Total	34	38	27	11	26	136

6. Iron Deficiency Anaemia

- Title of the project: A Multicentric Open Clinical Trial on Dhatri Louha in Iron Deficiency Anaemia
- Year and month of starting the study : December, 2007
- Year and month of ending study : December, 2008
- Principal drugs, for clinical evaluation / trial and supporting therapy: Dhatri Louha.
- Duration of treatment : 45 days
- Diagnosis and response of therapy based on Ayurveda and modern parameters or both
- Number of group and number of cases under each group: One group with 40 cases for one year duration. It was an open label, multicentric trial; no placebo/standard was used.
- Name of Investigators (with details of the study period conducted by each of them)

Principal investigator	Co- investigator
Dr.K.Gopakumar	Dr. B.N. Sridhar
Dr. B.N.Sridhar	Dr. G.Venkateshwarlu
	Dr. H. Pushpalatha

- Summary of the project
 - Screened : 115
 - Completed : 28
 - Drop outs : 03 (1 case showed drug reaction)
- Over all clinical assessment (Objective)
 - Improved : 20 {improved Hb%, but morphology did not change}
 - No change : Nil
 - Deteriorated : 08
- Overall impression of the well being (Subjective)
 - Improved : 25
 - No change : 03
 - Deteriorated : Nil

7. Documentation of Reported Episode of Prevention/Treatment of Vector Borne /Infectious Disease of Ayurveda and Siddha” under Intra Mural Research

- Name of the Institute : NADRI, Bangalore
- Reporting period : April, 2009 to March, 2011
- Principal Investigator : Dr. B. N. Sridhar
 - Co- investigator(S) : Dr. G. Venkateshwarlu
Dr. Kishore Kumar R
Dr. S.H. Doddamani
Dr. Shubhashree MN

c. Date of initiation of the project : 28.07.2009

d. Details of the diseases/claims:

Details of the disease	CLAIMS	PUBLICATION		
	No. of claims compiled And forwarded to nodal institute RRI, Vijayavada	Research papers/ published by the Institute	Research papers/article communicated for publication	No of visit conducted to gather information
Post viral arthralgia (Chikungunya)	i. Tour visit claims :1304 ii. OPD Claims : 164 Total: 1468	-	-	31

e. Details of tour conducted in Karnataka

S.N.	Date of visit	Name of the Ayurveda/Siddha /traditional practitioners or Ayurveda/Siddha colleges /Hospitals /Institutions visited to gather information	Prevention claims	Treatment claims
1	28/7/2009	Govt. Ayush Hospital, Chitradurga	Nil	230
2	04/11/2009	Govt. Ayurvedic Hospital, Marenahaali, Bagaluru post, Bangalore North District, Bangalore	Nil	11
3	11/11/2009	Govt. Ayurvedic Dispensary, Bannerghatta, Bangalore	Nil	300
4	09/12/2009	Govt. Ayurvedic Dispensary, Byatha, Hesaraghatta Hobli, Bangalore North Taluk, Bangalore urban District	Nil	25
5	16/12/2009	Govt. Ayurvedic Dispensary, Mantanakurchi, Sondekoppa post, Nelamangala Taluk, Bangalore Urban	Nil	13
6	30/12/2009	Govt. Ayurvedic Dispensary, Yelahanka, Bangalore North Taluk, Bangalore	Nil	15
7	06/01/2010	Govt. Ayurvedic Dispensary, Machohalli, Bangalore North Taluk, Bangalore	Nil	10
8	27/01/2010	Govt. Ayurvedic Dispensary, Somanahalli, Kanakpura Road, Bangalore South Taluk, Bangalore Urban District	Nil	20
9	23/02/2010	Govt. Ayurvedic Dispensary, Mukkodlu, Kanakpura Road, Bangalore South Taluk, Bangalore Urban District	Nil	15
10	24/02/2010	Govt. Ayurvedic Dispensary, Hegganahalli, Devanahalli Taluk, Bangalore Rural District, Bangalore	Nil	15
11	26/02/2010	Govt. Ayurvedic Dispensary, Yentaganahalli, Nelamangala Taluk, Bangalore Rural District, Bangalore	Nil	13
12	05/03/2010	Govt. Ayurvedic Hospital, D Cross, Doddaballapura, Bangalore Rural District, Bangalore	Nil	12
13	05/03/2010	Govt. Ayurvedic Dispensary, Kodihalli, Doddaballapura Taluk, Bangalore Rural District, Bangalore	Nil	12

14	11/03/2010	Govt. Ayurvedic Dispensary, Koligere, Doddaballapura Taluk, Bangalore Rural District, Bangalore	Nil	6
15	11/03/2010	Govt. Ayurvedic Dispensary, HanabeDoddaballapura Taluk, Bangalore Rural District, Bangalore	Nil	10
16	25/03/2010	Govt. Ayurvedic Dispensary, Ragihalli, Anekal Taluk, Bangalore Urban District, Bangalore	Nil	12
17	27/4/2010	Govt. Ayurvedic dispensary, Seesandra, Kolar district	Nil	00
18	27/4/2010	Govt. Ay. dispensary, Shivarapattana, Kolar district	Nil	00
19	17/5/2010	Govt. Ayurvedic Dispensary, Shivarapatna, Malur taluk, Kolar district	Nil	7
20	19/5/2010	Govt. Ayurvedic Dispensary, Seesandra, Kolar district	Nil	5
21	31/05/2010	Govt. Ayurvedic Dispensary, Srinivasapur, Kolar district	Nil	18
22	31/5/2010	Govt. Ayurvedic Dispensary, Somayajalahalli, Kolar district	Nil	45
23	21/6/2010	Govt. Ayurvedic Dispensary, AmblikalMulabagalu taluk, Kolar district	--	30
24	21/6/2010	Govt. Ayurvedic Dispensary, ChikkaTirupathi, Malur taluk, Kolar district	--	15
25	12/7/2010	Govt. Ayurvedic Dispensary, Hosur Byramangala, Ramanagara district	Nil	0
26	12/7/2010	Govt. Ayurvedic Dispensary, Thumbenahalli, Ramanagara district	Nil	175
27	12/7/2010	Govt. Ayurvedic Dispensary, Channapattana, Ramanagara dist.	Nil	235
28	25/8/2010	Govt. Ayurvedic Dispensary, ,Yelahalli,Kanaka pura taluk, Ramanagara district	Nil	15
29	30/8/2010	Govt. Ayurvedic Dispensary,Kolagondanahalli,Kanakapura taluk, Ramanagara district, Karnataka	Nil	12
30	22/9/2010	Govt. Ayurvedic Dispensary, Magadi Taluk, Ramanagara district	Nil	14
31	28/9/2010	Govt. Ayurvedic Dispensary, Kanakapura Tk, Ramanagaradist	Nil	14

Note: Observational study on VBD was stopped vide Council's letter No.F.5-15/2008- CCRAS/Tech/Hq/Part (2), dated 27.9.2010.

8. An observational study on Flu-Like Illness

Period of the study : 2009 to 2013

Disease wise statement of Patients of Flu like illnesses during the study period

Disease wise statement of Patients of Flu like illnesses during the study period															
SN	[Disease /Condition] Similar to Flu like illness (Examples)	Patients treated at OPD													
		New						OLD						Grand total	
		Adult		Child		Total		Adult		Child		Total			
		M	F	MC	FC	M	F	M	F	MC	FC	M	F	M	F
1	Vatikpratishyaya	24	7	0	7	24	14	56	44	3	1	59	45	80	57
2	Paitikpratishyaya	15	2	0	0	15	2	28	13	0	3	28	16	39	18
3	Kaphajpratishyaya	137	82	26	22	163	104	131	146	14	18	145	164	240	206
4	Vatashlaishmikjwara	63	37	6	17	69	54	51	63	5	8	56	71	106	109
5	Avian flu	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Swine flu	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Viral fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Rhinitis with fever	3	3	0	0	3	3	0	0	0	0	0	0	0	0
9	Rhinitis with cough	43	16	8	6	51	22	0	0	0	0	0	0	0	0
10	Other flu like illnesses (if any)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	285	147	40	52	325	199	266	266	22	30	288	296	465	390

9. Intra Mural and Collaborative Clinical Research Projects (IMCRP)

Brief resume of the IMCRPs carried out (Completed Programmes)

9.1. Title of the project: Multicentric Open clinical trial of Rajapravartinivati in Kastarthava (Dysmenorrhea)

- Name of the Institute/Department : N. A. D. R. I, Bangalore.
- Date of initiation of the study : 13/5/2011
- Date of completion of the study : 12/06/2012
- Name of the Principal Investigator : Dr. Shubhashree MN

9.1.1. Brief Statement of patients/cases studied

Target cases	Cases screened	Screen failures	Cases enrolled	Cases completed	Drop outs	Remarks
40	53	11	42	41	01	Target achieved

9.1.2. Budget expenditure details

Sanctioned budget	Expenditure details in Rupees				Expenditure (Rs.)	Balance amount
	Lab charges	Pt.	Stationary	Miscellaneous		
5,00,000/-	1,80,666/-	28,800/-	3,591/-	3,104/-	2,16,161/-	2,83,839/-

9.2. Title of the project: Clinical evaluation on the Rasayana effect of Ashwagandha avalehya in apparently healthy elderly persons

- Name of the Institute/Department : NADRI Bangalore.
- Date of initiation of the study : 04/07/2011

- Date of completion of the study : 25/01/2012
- Name of the Principal Investigator : Dr. G. Venkateshwarlu
- Name of the Co-Investigator : Dr. S.H. Doddamani

9.2.1. Budget allocated: Rs.5, 00,000/-

9.2.2. Installment wise release: Released at once

Sr. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1.	1 st	O. Order No 3283/2010	15.03.2011	-

9.2.3. Brief Statement of participants studied

S. N.	Programme	Total Target cases	No. of cases screened	Screen failure	No. of cases Enrolled	No. of cases Completed	No. of cases continued	Drop outs	Remarks/ Status
1	IMCRP-Rasayana	50	59	03	56	52	00	04	Target achieved

9.3. Title of the project: Clinical evaluation of Vyoshadi Guggulu and Haritaki Churna in the management of Obesity (Sthaulya)

- Name of the Institute/Department : NADRI, Bangalore.
- Date of initiation of the study : 11.08.2011
- Date of completion of the study : 27.06.2012
- Name of the Principal Investigator : Dr. Kishore Kumar R
- Name of the Co-Investigator : Dr. Sanjay Kumar Giri

9.3.1. Brief Statement of patients/cases studied

Sl. No.	Disease/ Program	Target	Screened	S. Failure	Enrolled	Completed	Drop outs	Remarks/ Status
1.	IMCRP-Obesity	50	80	25	55	50	05	Target achieved

9.3.2. Statement of participants of trial

Target cases	Screened	Screen Failure	Enrolled	Completed	Drop outs	Remarks
50	80	25	55	50	5	Target achieved

9.3.3. Budget Expenditure (in Rupees)

Sanctioned Budget	Lab charges (Outsourcing)	Pt. Conveyance	Medical Eqpts & Stationery	Photocopying	Expenditure incurred	Balance Amount
5,00,000/-	1,44,640/-	42,200/-	6,055/-	5,371/-	1,98,266/-	3,01,734/-

9.4. Title of the project: Evaluation of Clinical Efficacy and Safety of Brahma Rasayana in Apparently Healthy Elderly persons

- Name of the Institute : NADRI Bangalore.
- Date of initiation of the study : 01/03/2013 [Enrolled date : 5.3.2013]
- Date of completion of the study : 24.2.2014
- Name of the Principal Investigator : Dr. G. Venkateshwarlu

- Name of the Co-Investigator(s) : Dr. S. H. Doddamani, Dr. S. K. Giri.
- Name of the SRF : Dr. Anand Kumar

9.4.1. Budget allocated : Rs.13, 74,000/-

9.4.2. Installment wise release

Sl. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1.	1 st Rs.8,24,400/-	Officer Order No 1951/2012-13	06.10.2012	-

9.4.3. Brief Statement of cases studied

S. N.	Study Programme	Target cases	Cases screened	Screening failure	Cases Enrolled	Cases continued	Cases completed	Drop outs	Status
1	IMCRP-Brahma Rasayana	60	73	13	60	00	58	02	Target achieved

9.5. Title of the project: Clinical evaluation of Vatariguggulu, Maharasnadi qwatha and Narayana Taila in the Management of Osteoarthritis Knee

- Name of the Institute : NADRI Bangalore.
- Date of initiation of the study : 21/10/2013
- Date of completion of the study : 08.08.2014
- Name of the Principal Investigator : Dr. Shubhashree M N
- Name of the Co-Investigator(s) : Dr. Kishore Kumar R, Dr. S K Giri
- Name of the SRF : Dr. Shwetha Singh
- Date of IEC approval : 05.07.2014

9.5.1. Budget allocated: Rs.12, 74,000/-

9.5.2. Installment wise release

S. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st Installment Rs.7,64,400	F.No.CB/Adv/28/Hqrs. /CCRAS /2012 -13	Dt. 1.11.2012	-

9.5.3. Brief Statement of cases studied

S. N.	Study Programme	Target cases	screened	Scr. failure	Enrolled	completed	Drop outs	Remarks/ Status
1	IMCRP-OA Knee	60	65	05	60	58	02	Target achieved

9.6. Name of Project: Prospective, randomized, double blind, placebo controlled comparative trial to evaluate quality of life with AYUSH QOL 2C in patients of non Metastatic Breast Cancer as a adjuvant to Chemotherapy

- Date of initiation of the study : 03 August 2009
- Date of completion of the study : 31st March,2014

9.6.1. Investigators details

Name of the Collaborating Institute/Department	Name of the Investigators
1. St John's Medical College & Hospital, Bangalore. Division of Clinical Pharmacology & Surgical Oncology	1. Dr. Chanda Kulkarni (PI-) (Retd. On 16.10.2013) 2. Dr. Suraj Manjunath (PI-Surg. Oncology*) *Dr. Shiva Kumar.K (acting PI on behalf of No.2)
2. National Ayurveda Dietetics Research Institute,, Bangalore	3. Dr. B.N Sridhar (PI) (Retd. On 31.10.2013) 4. Dr. G.Venkateshwarlu(Co-Investigator)

9.6.2. Brief statement of patients studied: (period from Aug. 2009 to 20th Mar. 2014)

Study Programme	Target cases	screened	Scrnl. failure	Enrolled	Completed	Drop outs	Death	Remarks/ Status
AYUSH-QOL 2C in Breast Cancer	80	89	09	80	65	13	02	Study completed

9.6.3. Summary of the study between 1st April 2013 to 31st March 2014

Sl. No.	Details	No.of cases
1	No. of cases screened	00
2	No. of screen Failure	00
3	No. of recruited cases	00
4	No. of cases completed the study	27
5	No. of cases under study	00
6	No. of drop outs	02
7	No. of death	00
8	No. of cases showed S.A.E	01

9.6.4. Details on S.A.E. from 1st April 2013 to 31st March, 2014

SN	En. No	SAE.No.	SAE reporting date	Pt.Name	OPD No.	Screened date	Date of hospitalization	Reason
1.	075	16	25.5.2013	Sulochana Bai	3094262	01.02.2013	21.5.2013	Herpes Zoster infection

9.7. Name of Project: Clinical Trial to Study the effect of *Cyavanaprāśa* on Aging in Apparently Healthy Elderly Subjects

9.7.1. Participating centre along with PI

SN	Name of the participating centre	Name of PI
1.	National Ayurveda Dietetics Research Institute, Bangalore	PI: Dr. S. K. Giri Co-I: Dr. Kishore Kumar
2.	RRA Podar Ayurved Cancer Research Institute (RRAPACRI), Mumbai	PI: Dr. Sneha Marlewar

3.	Dr. Achanta Lakshmiipathi Research Centre for Ayurveda (ALRCA), Chennai	PI: Dr. Pitta Srinivas
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9.7.2. Date of IEC approval: 05.07.2014

9.7.3. CTRI Registration (for clinical trials): CTRI/2016/03/006701

9.7.4. Date of initiation: 27-11-2014

9.7.5. Budget allocated: Rs. 20, 86,000/-

9.7.6. Instalment wise release: Released at once

SN	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st	O.O. No. 2394/13-14 [3-40/2013-CCRAS/Admn/AAP (Rasayan)]	18/02/2014	24.02.2014

9.7.7. Chronological timeline & deliverables

S. No.	Target For	Time line	Achieved/ Not achieved	Causes of deviation, if any
1	70	12 months	Achieved	Not applicable

9.7.8. Current status: Completed

SN	Participating Centre	Cases enrolled	Cases completed	Drop outs	Cases continued
1	National Ayurveda Dietetic Research Institute, Bangalore.	70	68	02	00

9.7.9. Relevant information, if any: Nothing specific

9.8. Name of Project: Clinical Evaluation of Ashwagandha Churna and Praval Pishti in the Management of Osteopenia/Osteoporosis

9.8.1. Participating centre along with PI

SN	Name of the participating centre	Name of PI
1.	National Ayurveda Dietetics Research Institute, Bangalore	PI: Dr. Kishore Kumar R. Co-I: Dr. S. K. Giri
2.	Raja RamdeoAnandilal Poddar Ay. Cancer Research Institute, Mumbai	PI: Dr. Manohar Gundeti
3.	Ayurveda Central Research Institute, (Safdarjung Hospital Unit), New Delhi	PI: Dr. Pratap Makhija

9.8.2. Date of IEC approval: 05.07.2014

9.8.3. CTRI Registration/Reference (for clinical trials): CTRI/2015/01/005406

9.8.4. Date of initiation: 10.12.2014

9.8.5. Budget allocated: Rs.15, 91,200/-

9.8.6. Instalment wise release: Released at once

SN	Installment	Sanctioned order	Date	Fund receipt Date
1.	1 st	O.O.No 2344/13-14 (3-18/2012-CCRAS/Admn/AAP/OO)	12.03.2014	26.03.2014

9.8.7. Chronological timeline & deliverables

S. No.	Target For	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	45	1-6 months	Achieved	Not applicable

9.8.8. Current status: completed

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	National Ayurveda Dietetics Research Institute, Bangalore	45	45	00	00

9.8.9. Relevant information, if any: Nothing specific

9.9. Name of Project: Clinical Evaluation of Kanakasava and Trivritachurna in the management of Bronchial Asthma (Tamakaswasa)

9.9.1. Participating centre along with PI

S.No.	Name of the participating centre	Name of PI
1.	National Ayurveda Dietetics Research Institute, Bangalore (Clinical section)	PI: Dr. SH. Doddamani Co-I: Dr. G. Venkateshwarlu SRF: Dr. Anand Kumar
2.	National Ayurveda Research Institute For Vector Borne Diseases, Vijayawada	Dr. R. K. Swamy
3.	Ayurveda Central Research Institute, Jaipur	Dr. Anu Bhatnagar

9.9.2. Date of IEC approval: 21.04.2014

9.9.3. CTRI Registration/Reference (for clinical trials) : REF/2014/05/007007

9.9.4. Date of initiation: 21.11.14

9.9.5. Budget allocated: Rs.14, 49, 130/-

9.9.6. Instalment wise release: Released at once

SN.	Installment	Sanctioned order	Date	fund receipt date
1.	1 st	Office Order No. 2366/13-14 (3-42/2013-CCRAS /Admn/AAP/BA)	11.02.2014	24.02.2014

9.9.7. Chronological timeline & deliverables

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	70	1-6 months	Achieved	Not applicable

9.9.8. Current status: completed

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	RARIMD Bengaluru	70	70	00	00

9.9.9. Relevant information, if any : Nothing Specific

9.10. Name of Project: Clinical evaluation on the efficacy of Mamajjakaghanavati in Madhumeha (Type-2 Diabetes Mellitus)

9.10.1. Participating centre along with PI

S.No.	Name of the participating centre	Name of PI
1.	Regional Ayurveda Research Institute for Metabolic Disorders, Bengaluru [National Ayurveda Dietetics Research Institute]	PI: Dr M N Shubhashree Co-I: Dr. S H Doddamani
2.	National Research Institute for Drug Development, Bhubaneswar	P.I.- Dr. Bikartan Das Co.I- Dr. M.M. Rao
3.	National Veterinary – Ayurveda Research Institute and Hospital, Lucknow	P.I.- Dr. G.C. Nanda Co.I - Dr. Vimal Tiwari

9.10.2. Date of IEC approval: 14.03.2016

9.10.3. CTRI Registration/Reference (for clinical trials): REF/2016/06/011468

9.10.4. Date of initiation: 26/05/2016

9.10.5. Budget allocated: Rs. 10, 13,400/- (9th Feb 2016)

9.10.6. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st	Office Order No. 3-19/2016-CCRAS /Admn /Madhumeha/936	04/02/2016	23.02.2016

9.10.7. Chronological timeline & deliverables

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	60	1-3 months	Achieved	Not applicable

9.10.8. Current status: completed

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	RARIMD Bengaluru	60	55	05	00

9.11. Name of Project: Retrospective Pharmaco-epidemiological Study on Safety & Effectiveness of Rasaushadhis

9.11.1. Objectives

1. Retrospective cross sectional analysis of available data from clinical records from CCRAS clinical research facilities during last 5 years i.e. 2012-2017.
2. Prospective documentation & information analysis in structured format to draw meaningful possible outcomes and conclusions with a pharmaco-epidemiological perspective.
3. Development of an Ayurvedic informatics database in a reverse way to substantiate and identify superiority and lacunae, in terms of gross effectiveness and safety indicators, of Ayurvedic interventions.

9.11.2. Participating centre along with PI:

S.No.	Name of the participating centre	Members
1	Regional Ayurveda Research Institute For Metabolic Disorders, Bengaluru.	P.I- Dr M.N Shubhashree R.O (Ayu). Co.I.- Dr. Raghavendra Naik R.O (Ayu)

9.11.3. Date of initiation: 22nd March 2018

9.11.4. Date of completion: 31st December 2018

9.11.5. Office Order number: F.No.1-27/2017-CCRAS/Tech/Hq/3798

SN	Year of entry	No. of OPD entries	IPD Entries	Total	ADR/AE reported in OPD cases	ADR/AE reported in IPD cases	Total	Remarks
1.	2012-13	1676	NA	1676	1	NA	1	Completed
2.	2013-14	1874	NA	1874	1	NA	1	Completed
3.	2014-15	1439	NA	1439	-	NA	-	Completed
4.	2015-16	1290	NA	1290	-	NA	-	Completed
5.	2016-17	1514	NA	1514	-	NA	-	Completed
6.	2017-18	1380	NA	1380	-	NA	-	Completed

NA: Not applicable as IP facility unavailable

9.11.6. Relevant information, if any : Nothing specific

9.12. Name of Project: Clinical Evaluation of the Efficacy of Trayodashanga Guggulu, Maharasnadi Kwatha and Prasarni Taila in the Management of Gridhrasi (Sciatica)

SN	Name of the Institute	Name of the Principal	Name of the Co-
1	Regional Ayurveda Research Institute for Metabolic Disorders, Bangalore.	Dr. S. H. Doddamani, RO (Ay.) Dr. SK Giri, RO (Ay)	Dr. Kishore Kumar R RO (Ay.)
2	Advanced Center for Ayurveda in Mental Health&Neurosciences, Bangalore.	Dr. Srinibash Sahoo, R.O. (Ay.)	Dr. G. Venkateshwarlu, R.O. (Ay.)
3	Regional Ayurveda Research Institute for skin disorders,	Dr.G.Babu, A.D. (Ay.)	Dr.K.Midhuna Mohan, R.O.(Ay.)

9.12.1. Participating centre along with PI

9.12.2. Date of IEC approval: 15.09.2017

9.12.3. CTRI Registration/Reference (for clinical trials): CTRI/2017/11/010574

9.12.4. Date of initiation: 11/04/2018

9.12.5. Budget allocated: Rs.27, 71,600/-

9.12.6. Installment wise release:

S. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st Installment Rs.21,59,800/-	Office Order No. F.N.3-31/2016ccras/tech/sciatica/984 Dated 23/05/2017	13.01.2017	23.01.2017

9.12.7. Chronological timeline & deliverables

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	60	24 Months	Achieved	Nil

9.12.8. Current status: completed

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	RARIMD Bengaluru	53	50	03	00

9.12.9. Relevant information, if any : Nothing specific

9.13. Name of Project: Clinical Evaluation of AYUSH PE Eye Drops in the Management of Acute Allergic Conjunctivitis

9.13.1. Participating centre along with PI:

SN	Name of the participating centre	Name of PI
1.	RARIMD, Bengaluru	PI: Dr. Bhavya BM., RO (Ay.) Co-I: 1. Dr. BK. Bharali, AD i/c 2. Dr. Raghavendra Naik, RO (Ay.)
2.	CARICD Punjabi Bagh, New Delhi	PI: Dr. Nandini Jadhav Co-I: Dr. Mridula Dua
3.	RARI for Eye Diseases, Lucknow	PI: Dr. Alok Kumar Srivastav Co-I: 1. Dr. Kamble Pallavi Namdev 2. Dr. Praveen Balakrishnan

9.13.2. Date of IEC approval: 03.07.2018

9.13.3. CTRI Registration/Reference (for clinical trials): CTRI/2018/07/014801

9.13.4. Date of initiation: Initiated from 13th August 2018

9.13.5. Budget allocated: Rs. 4,19,650/-

9.13.6. Installment wise release: Released at once

SN	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st	Office Order No. 1076/18-19 [F.No. 3-15/2018-CCRAS/Admn/IMR/CAC]	22/06/2018	29/06/2018

9.13.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	55	12 months	Not Achieved	Not applicable

9.13.8. Current status: Study initiated from 13th August 2018, completed on 10th July 2019.

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Dropouts	No. of cases continued
1.	RARIMD Bengaluru	55	55	00	00

9.14. Name of Project: Safety and Efficacy of Ayurveda interventions for Glaucoma: A systematic review

9.14.1 Participating centre along with PI:

SN	Name of the participating centre	Name of PI
1.	RARIMD, Bengaluru	Dr. Bhavya BM, R.O. (Ay.) Co-I: Dr. MN. Shubhashree, Dr. Raghavendra Naik, R.O. (Ay.)

9.14.2. Date of IEC approval: NA

9.14.3. CTRI Registration/Reference (for clinical trials): NA

9.14.4. Date of initiation: 23/05/2019

9.14.5. Budget allocated: Rs. 30,600/-

9.14.6. Installment wise release: Released at once Rs.30,000/-

Sl. No.	Installment	Sanctioned order	Date	Date of receipt of fund	Amount in Rs.
1.	1 st	O.O. No. 141/2019-20[3-59/2019-CCRAS/Admn/IMR	22.05.2019	31 st May 2019	30,000/-

9.14.7. Chronological timeline & deliverables: 9 months

9.14.8. Current status: Completed

9.14.9. Relevant information, if any: Nothing Specific

9.15 Name of Project: A prospective non-randomised open label controlled interventional study on the effect of Guduchi Ghan Vati/Sudarshan Ghan Vati as a prophylactic measure among Containment Zone population exposed to COVID 19

9.15.1. Participating centre along with PI:

SN	Name of the participating centre	Name of PI
1.	RARIMD, Bengaluru	Dr. S.H.Doddamani, RO (S-3), Co-I: Dr.Rinky Thakur, RO (Ay.)

9.15.2. Date of IEC approval: F.No.1-12-2020-CARICD/Tech/CEC dated 19.05.2020

9.15.3. CTRI Registration/Reference: CTRI/2020/05/025385

9.15.4. Date of initiation: 8.06.2020

9.15.5. Budget allocated: Rs. 9,50,000/-

9.15.6. Installment wise release: Amount from Institute RA budget is utilized

9.15.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
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1.	1500	4 months	Achieved	Nil
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9.15.8. Current status: Completed

9.15.9. Relevant information, if any: Nothing Specific

9.16. Name of Project: Prospective open label controlled interventional study on the effect of Ayurvedic intervention (Ayurveda Raksha Kit) as a prophylactic measure in the Pandemic of COVID-19 - A community based study

9.16.1. Participating centre along with PI:

SN	Name of the participating centre	Name of PI
1.	RARIMD, Bengaluru	Dr Rinky Thakur Research Officer (Ay). Co-Investigator: Dr Shubhashree RO (Ay.), Dr. Raghavendra Naik RO (Ay.)

9.16.2 Date of IEC approval: F.No.1-12/2020-CARICD/Tech/CEC dated 7/8/2020

9.16.3. CTRI Registration/Reference (for clinical trials): CTRI/2020/08/027316

9.16.4. Date of initiation: 15-09-2020

9.16.5. Budget allocated: Rs. 57,71,200

9.16.6. Installment wise release: Sanction amount - Rs. 57,71,200 (The unspent amount of Rs 56,16,321/- available under AMHCP-SCSP Project 2019-2020 has been transferred for this Project.)

9.16.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	8600	6 months	Achieved	Nil

9.16.8. Current status: Completed

Target	Enrolled patients	Completed	Dropouts
8600	8600	8498	102

9.16.9. Relevant information, if any: Nothing Specific

9.17 Name of Project: Knowledge, Attitude and Practice towards Ayurvedic medicine use among the Diabetics –a cross sectional study

9.17.1. Participating centre along with PI:

S.No.	Name of the participating centre	Members
1.	Regional Ayurveda Research Institute For Metabolic Disorders, Bengaluru	P.I- Dr. S H Doddamani RO (Ayu) Co-PI: Dr. Shubhashree MN, RO (Ay.)
2.	M.S. Regional Ayurveda Research Institute for Endocrine Disorders, Jaipur	PI- Dr. Indu P P, R.O (Ayu) Co-PI- Dr. Swati Sharma, R.O (Ayu) Dr. Monika Kumari, R.O (Ayu)

9.17.2. Date of IEC approval: 15-09-2017

9.17.3. CTRI Registration/Reference (for clinical trials): Not applicable

9.17.4. Date of initiation: Initiated from 28th November 2018

9.17.5. Budget allocated: -Nil

9.17.6. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	750	1 year	Achieved	Nil

9.17.7. Current status: Completed

9.17.8. Relevant information, if any: Nothing Specific

Target	Enrolled patients	Completed	Dropouts
750	750	750	00

9.18. Name of Project: AYUSH Hospital Management Information System (A-HMIS)

9.18.1. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI/Co-I
1	Regional Ayurveda Research Institute for Metabolic Disorders (RARIMD), CCRAS, Bangalore.	PI- Dr M.N Shubhashree R.O (Ay.) Co-I- Dr SH Doddamani R.O (Ay.)

9.18.2. Date of IEC approval: - Not applicable

9.18.3. CTRI Registration/Reference (for clinical trials): - Not applicable

9.18.4. Date of initiation: 1.05. 2019 (Initiated in old OPD, RARIMD, Bengaluru)

9.18.5. Budget allocated: Rs 10, 95,400/-

9.18.6. Installment wise release: Released at once

S. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	10,95,400	File No.3-107/2019 CCRAS/Admin/IMR/3752.	03/09/2019	03/10/2019

9.18.7. Current status: Completed

9.18.8. Relevant information, if any: Nothing Specific

9.19. Name of Project: A prospective Open labeled Observational study to document the potential safety issues and prescription trends in selected Rasaushadhi's in CCRAS-OPD's across India.

9.19.1 Objectives:

- Primary: Development of an Ayurvedic informatics database of selected Rasaushadhi's in terms of clinical safety.
- Secondary: Prospective documentation and analysis of information related with prescription trends of selected *Rasaushadhi's* in a structured format to draw the meaningful possible outcomes and conclusions.

9.19.2 Study Design: Open Labeled Observational Study

9.19.3. Sample size: 110

9.19.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: F.No. 84-1/2019-CCRAS/Admn/Hq/7470, dated 19th Feb 2020.

9.19.5. Duration of study: 1 year

9.19.6. Interventions: Each prescription shall contain only one Rasausadhi along with other herbal formulations.

List of formulations to be evaluated for clinical safety:

1. *Laxmi Vilas rasa (Naradiya)*-A.F.I, Part-I, 20:39,
2. *SutasekharRasa*- A.F.I, Part-I, 20:52,
3. *Tribhuvankirti Rasa*- A.F.I, Part-I, 20:20
4. *Swasakuthar Rasa*- A.F.I, Part-I, 20:39,
5. *ChandraprabhaVati*- A.F.I, Part-I, 12:10,
6. *GandhakaRasayana*- - A.F.I, Part-II, 7:5
7. *Rasa manikya Rasa*- A.F.I, Part-I, 20:33,
8. *Smritisagara Rasa*- A.F.I, Part-II, 16:64,
9. *Arogyavardhini Gutika* 250mg- A.F.I, Part-I, 20:4,
10. *Mahayogarajaguggulu*- A.F.I, Part-I, 5:6,
11. *PrabhakarVati*- A.F.I, Part-I, 12:15.

9.19.7. Participating centre along with PI:

SN	Name of the participating centre	Name of PI
1.	CARI, Bengaluru	Dr. S.H.Doddamani, RO (Ay.), Co-I: Dr.S.K.Giri R.O (Ay.) Dr. Bhavya BM R.O (Ay.)

9.19.8. Date of IEC approval: F.6-5/RARIMD/BNG/IECMeet/2018-19/107 dated 23.06.2020

9.19.9. CTRI Registration/Reference: CTRI/2020/05/025385

9.19.10. Date of initiation: 20th Jan 2021

9.19.11. Budget allocated: Rs. 6,21,000/-

9.19.12. Installment wise release: released on 19.2.2021

S N	Installment	Amount	Sanction order	Funds received date
1.	1st (CARI Bengaluru)	6,21,000/-	F. No.84-1/2019-CCRAS/Admin/HQ/7470 dt. 19.02.2020	28.02.2020

9.19.13. Current status: Completed

SN	Cases enrolled	Cases completed	Drop outs	Cases continued
1.	110	98	12	00

9.19.14. Relevant information, if any: Nothing Specific

9.20. Name of Project: “An open label clinical trial to evaluate clinical efficacy and safety of AYUSH AGT in Dandruff (Darunaka)”

9.20.1. Objectives:

- Primary: To assess the efficacy of Ayush AGT Lotion in dandruff
- Secondary: To assess the safety* of Ayush AGT Lotion in dandruff

Safety defined in terms of allergic responses (inflammation of scalp, hairfall, redness of eyes, skin pigmentation, uneven skin tone, breaking of hair, itching, rash on neck, forehead, shoulders and retro auricular area etc) and not to be identified with laboratory investigations.

9.20.2. Study Design: Open Clinical Trial

9.20.3. Sample Size: 50

9.20.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: F.No 3-22/2019-CCRAS/Admn/AUB/5368, dated 27th Feb 2019

9.20.5. Duration of Study: 1 year

9.20.6. Interventions: AYUSH AGT coded drug

AYUSH AGT

Dosage : 10 gm
 Route of Administration : Topical
 Dosage form : Lotion
 Time of Administration : Applied on head and washed after 1 hour.
 Packing form : 200 ml (100 ml x 2 bottle)
 Duration of therapy : 30 days
 Follow up period : 15 days

9.20.7. Participating centre along with PI:

SN	Name of the participating centre	Name of PI
1.	RARIMD, Bengaluru	Dr. Raghavendra Naik, RO (Ay.) Co-I: Dr. Bharali BK, In-charge, RARIMD Dr. Doddamani SH, RO (Ay.)

9.20.8. Date of IEC approval: 04-04-2019

9.20.9. CTRI Registration/Reference (for clinical trials): CTRI/2020/03/024092 [Registered on: 19/03/2020]

9.20.10 Date of initiation: 28/07/2021

9.20.11. Budget allocated: Rs.3,20,000/-

9.20.12. Installment wise release:

S N	Installment	Amount	Sanction order	Funds received date
1.	1st (RARIMD Bengaluru)	3,20,000/-	F. No.3-22/2019-CCRAS/ Admin/AUB/5368 dated 27.02.2019	12.03.2019

9.20.13. Chronological timeline & deliverables:

S. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1.	50	1year	Achieved	None

9.20.14. Current status: Completed

SN	Cases enrolled	Cases completed	Drop outs	Cases continued
1.	50	44	06	00

9.20.15. Relevant information, if any: Nothing Specific

9.21. Name of Project: Safety and Efficacy of Ayurveda interventions for Urolithiasis: A systematic review

9.21.1. Objectives

1. Systematic review of selected studies, systematic review of the published, clinical data in safety, efficacy & effectiveness of Ayurveda intervention in management of Urolithiasis.
2. Meta-analysis of the published clinical data in view of safety and effectiveness of Ayurvedic interventions in the management of Urolithiasis.

9.21.2. Study design: Systematic Review, Meta Analysis

9.21.3. Sample Size: NA

9.21.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: F.No. 3-47/2019-CCRAS/Admn/IMR/Urolithiasis/6126 Dt. 30.03.2019.

9.21.5. Duration of study: 9 months

9.21.6. Interventions: NA

9.21.7. Participating centre along with PI:

SN	Name of the participating centre	Name of PI
1.	RARIMD, Bengaluru	PI: Dr. Raghavendra Naik, RO (Ay.) Co-I: 1. Dr. Sekhar Namburi UR, RO (Ay.) 2. Dr. Shobhit Kumar, RO (Ay.) 3. Dr. Bhavya BM, RO (Ay.)

9.21.8. Date of IEC approval: NA

9.21.9. CTRI Registration/Reference (for clinical trials): NA

9.21.10. Date of initiation: 10.4.2020

9.21.11. Budget allocated: Rs.30,000/-

9.21.12. Installment wise release: Released at once Rs.30,000/-

9.21.13. Chronological timeline & deliverables: 9 months

i) Period required for Collection of data, analysis and preparation of report: 6 months

ii) Period required for Preparation of manuscript, selection of journal and publication: 3 months

9.21.14. Current status: Complete

9.21.15. Relevant information, if any: Nothing Specific

9.22. Profiling of Demographic, Health status and Non Communicable Diseases among Schedule Tribe population in selected States across India- a descriptive, cross sectional, Epidemiological study under THCRP

9.22.1. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
1.	CARI, Bengaluru	PI- Dr. SH Doddamani, CoI- Dr. Rajendra Paliwal

9.22.2. Date of IEC approval: 28/06/2021

9.22.3. CTRI Registration/Reference (for clinical trials): CTRI/2021/07/034761 [Registered on: 12/07/2021]

9.22.4. Date of initiation: 15/07/2021

9.22.5. Budget allocated: 49,52,000

9.22.6. Installment wise release:

S. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st (Rs.14,02,500)	F.No. 50-15/2021-CCRAS/ Admn./THCRP/1068,	11-06-2021	16-06-2021.
2	2 nd (Rs.13,86,500)	Office Order No. 471/2021- 22, (F.No. 50-15/2021- CCRAS/ Admn./THCRP)	13-09-2021	15-09-2021
3	3 rd (Rs.7,00,000)	Office Order No. 911/2021- 22, (F.No. 50-15/2021- CCRAS/ Admn./THCRP)	16-12-2021	23-12-2022
4	4 th (Rs.14,63,000)	F F.No. 50-15/2021- CCRAS/ Admn./THCRP/6265/6423	14-03-2022	08-03-2022

9.22.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
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1	6000	1year	Achieved	None
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9.22.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
	CARI, Bengaluru	NA	NA	NA	NA

9.22.9. Relevant information, if any:

9.23. A Prospective Community based Study for the evaluation of Dhatri Loha in the Management of Anaemia (Pandu) under THCRP

9.23.1. Participating center along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
	CARI, Bengaluru	PI- Dr. SH Doddamani, CoI- Dr. Rajendra Paliwal

9.23.2. Date of IEC approval: 28/06/2021

9.23.3. CTRI Registration/Reference (for clinical trials): CTRI/2021/07/034967 [Registered on: 19/07/2021]

9.23.4. Date of initiation: 18/10/2021

9.23.5. Budget allocated: 49,52,000

9.23.6. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
Same as Profiling of Demographic, Health status and Non Communicable Diseases among Schedule Tribe population in selected States across India- a descriptive, cross sectional, Epidemiological study				

9.23.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1	35	1year	Achieved	None

9.23.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
	CARI, Bengaluru	35	32	3	00

9.23.9. Relevant information, if any:

9.24. A Prospective Community based Study for the evaluation of Yogaraja Guggulu, Ashwagandha Churna & Narayana Taila in the Management of Osteoarthritis Knee (Janugata Sandhivata) under THCRP

9.24.1. Participating center along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
	CARI, Bengaluru	PI- Dr. SH Doddamani, CoI- Dr. Rajendra Paliwal

9.24.2. Date of IEC approval: 28/06/2021

9.24.3. CTRI Registration/Reference (for clinical trials): CTRI/2021/07/034967

9.24.4. Date of initiation: 18/10/2021

9.24.5. Budget allocated: 49,52,000

9.24.6. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
Same as Profiling of Demographic, Health status and Non Communicable Diseases among Schedule Tribe population in selected States across India- a descriptive, cross sectional, Epidemiological study				

9.24.7. Chronological timeline & deliverables:

S. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1.	35	1year	Achieved	None

9.24.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	CARI, Bengaluru	35	33	2	00

9.24.9. Relevant information, if any:

9.25. Effectiveness of Ayurveda based diet and Lifestyle advocacy on health related Quality of life in Schedule Tribe population in India- a Community based, cluster randomized controlled study under THCRP

9.25.1. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
	CARI, Bengaluru	PI- Dr. SH Doddamani, CoI- Dr. Rajendra Paliwal oo

9.25.2. Date of IEC approval: 28/06/2021

9.25.3. CTRI Registration/Reference (for clinical trials): CTRI/2021/07/034952

9.25.4. Date of initiation: 15/11/2021

9.25.5. Budget allocated: 49,52,000

9.25.6. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
Same as mentioned under Profiling of Demographic, Health status and Non Communicable Diseases among Schedule Tribe population in selected States across India- a descriptive, cross sectional, Epidemiological study				

9.25.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	70	1year	Achieved	None

9.25.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	CARI, Bengaluru	70	70	00	00

9.25.9. Relevant information, if any:

9.26. Impact of Ayu Raksha Kit in COVID-19 Community Based Prophylactic Study under THCRP 2021-22

9.26.1. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
	CARI, Bengaluru	PI- Dr. SH Doddamani, CoI- Dr. Rajendra Paliwal

9.26.2. Date of IEC approval: 24/01/2022

9.26.3. CTRI Registration/Reference (for clinical trials): REF/2022/01/051119

9.26.4. Date of initiation: 14/02/2022

9.26.5. Budget allocated: 16,38,000

9.26.6. Installment wise release:

S. No.	Installment	Amount	Sanctioned order	Date	Date of receipt of fund
1.	1st	7,57,100	F.No.1-33/CCRAS/Cash/5600	02/02/22	31/01/2022
2.	2nd	8,80,900	F.No.50-15/2021-CCRAS/Admin/THCRP/6266	04/03/22	24/03/2022

9.26.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	2640	2 Months	Achieved	Nil

9.26.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
	CARI Bengaluru	2640	2545	95	00

9.26.9. Relevant information, if any: ADR Reported -12

9.27. Profiling of Demographic, health status and Non communicable Diseases among Scheduled Caste population in selected states across India- A descriptive, Cross sectional Epidemiological study under SCSP

9.27.1. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
	CARI, Bengaluru	PI- Dr Thejaswini C, CoI- Dr Srinibash Sahoo

9.27.2. Date of IEC approval: 28/06/2021

9.27.3. CTRI Registration/Reference (for clinical trials): CTRI/2021/07/034761

9.27.4. Date of initiation: 12/07/2021

9.27.5. Budget allocated: 3064000

9.27.6. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st (Rs.8,20,750)	F.No. 65-1/2021-CCRAS/ Admn./SCSP-AMHCP/1074,	11-06-2021	11-06-2021.

2	2 nd (Rs.8,02,750)	O.O.No. 469/2021-22 (F.No. 65-1/2021-CCRAS/ Admn./SCSP-AMHCP)	13-09-2021	14-09-2021
3	3 rd (Rs.6,00,000)	F.No.65-1/2021/CCRAS/ Admn/ SCSP (Office order No.951/2021-22)	29-12-2021	29-01-2022
4	4 th (Rs.8,58,500)	F.No.65-1/2021-CCRAS/ Admn/SCSP/6350/6426	14-03-2022	10-03-2022

9.27.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1	5800	1year	Achieved	None

9.27.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
	CARI, Bengaluru	NA	NA	NA	NA

9.27.9. Relevant information, if any:

9.28. A prospective community based study for the evaluation of Punarnavadi Mandura in Anemia (Pandu) under SCSP

9.28.1. Participating center along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
	CARI, Bengaluru	PI: Dr Thejaswini C Co-I: Dr Srinibash Sahoo

9.28.2. Date of IEC approval: 28/06/2021

9.28.3. CTRI Registration/Reference (for clinical trials): CTRI/2021/07/034967

9.28.4. Date of initiation: 20/07/2021

9.28.5. Budget allocated: 3064000

9.28.6. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
Same as Profiling of Demographic, health status and Non communicable Diseases among Scheduled Caste population in selected states across India- A descriptive , Cross sectional Epidemiological study				

9.28.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	50	1year	Achieved	None

9.28.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	CARI, Bengaluru	50	41	9	00

9.28.9. Relevant information, if any:

9.29. Effectiveness of Ayurveda based diet and Lifestyle advocacy on health related Quality of life in Schedule Caste population in India- a Community based, cluster randomized controlled study under SCSP

9.29.1. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
	CARI, Bengaluru	PI- Dr Thejaswini C CoI- Dr Srinibash Sahoo

9.29.2. Date of IEC approval: 28/06/2021

9.29.3. CTRI Registration/Reference (for clinical trials): CTRI/2021/07/034952

9.29.4. Date of initiation: 29/07/2021

9.29.5. Budget allocated: 3064000

9.29.6. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
Same as mentioned under Profiling of Demographic, health status and Non communicable Diseases among Scheduled Caste population in selected states across India- A descriptive, Cross sectional Epidemiological study				

9.29.7. Chronological timeline & deliverables:

S. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1.	70	1 year	Achieved	None

9.29.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	CARI, Bengaluru	70	70	00	00

9.29.8. Relevant information, if any:

9.30. A prophylactic community based study to assess the impact of Ayuraksha Kit in COVID-19 under SCSP

9.30.1. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
1.	CARI, Bengaluru	PI- Dr Thejaswini C, CoI- Dr Srinibash Sahoo

9.30.2. Date of IEC approval: 24/01/2022

9.30.3. CTRI Registration/Reference (for clinical trials): CTRI/2022/02/040156

9.30.4. Date of initiation: 14/02/2022

9.30.5. Budget allocated: 8,75,720/-

9.30.6. Installment wise release:

Sr. No.	Installment	Amount	Sanctioned order	Date	Date of receipt of fund
1.	1st	90000	F.No.65-1/2021/CCRAS/ Admin/SCSP/5885	10/02/22	25/02/2022
2.	2nd	785720	F.No.65-1/2021/CCRAS/ Admin/SCSP/6248	03/03/22	07/03/2022

9.30.7. Chronological timeline & deliverables:

S. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1.	693	2 months	Achieved	Follow up RTPCR tests cannot be achieved as most of the participants were rejected for test.

9.30.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
	CARI, Bengaluru	693	693	00	00

9.30.9. Relevant information, if any:

9.31. Cross sectional survey to determine the prevalence of Non-Communicable Diseases) and their risk factor among Scheduled Tribes in selected states across India under Tribal Health Care Research Programme (THCRP)

9.31.1. Participating center along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
	CARI, Bengaluru	Dr. Shashidhar Doddamani, Dr. Rajendra Kumar Dr. Vidyashree Anchan

9.31.2. Date of IEC approval: 21/04/2022

9.31.3. CTRI Registration/Reference (for clinical trials): CTRI/2022/07/043637

9.31.4. Date of initiation: 16/07/2022

9.31.5. Budget allocated: Funded under THCRP Programme or Rs. 46,18,000/-

9.31.6. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st (Rs. 10,56,250/-)	F.No.1-33/CCRAS/Cash/THCRP/552	10-05-2022	11-05-2022.
2	2 nd (Rs. 10,56,250/-)	F.No.50-15/2022-CCRAS/Admn/THCRP/1903	11-07-2022	29-07-2022
3	3 rd (Rs. 10,56,250/-)	Office Order No. 751/2022-23	01-11-2022	14-11-2022
4	4 th (Rs. 14,49,250/-)	F.No.HQ-PROJ012/16/2022-PROJ/6351	14-02-2023	21-02-2023

9.31.7. Chronological timeline & deliverables:

S. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1.	245	1year	Achieved	None

9.31.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	CARI, Bengaluru	245	245	0	0

9.31.9. Relevant information, if any:

9.32. Evaluation of efficacy and tolerability of select Ayurveda formulations in moderate Iron Deficiency Anemia – A randomized controlled trial under Tribal Health Care Research Programme (THCRP)

9.32.1. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
	CARI, Bengaluru	PI - Dr. Shashidhar Doddamani, CoI- Dr. Rajendra Kumar CoI Dr. Vidyashree Anchan

9.32.2. Date of IEC approval: 20/04/2022

9.32.3. CTRI Registration/Reference (for clinical trials): CTRI/2022/06/043097

9.32.4. Date of initiation: 18/11/2022

9.32.5. Budget allocated: Funded under THCRP Programme or Rs. 46,18,000/-

9.32.6. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st Rs. 10,56,250/-	F.No.1-33/CCRAS/Cash/THCRP/552	10-05-2022	11-05-2022
2	2 nd Rs. 10,56,250/-	F.No.50-15/2022-CCRAS/Admn/THCRP/1903	11-07-2022	29-07-2022
3	3 rd Rs. 10,56,250/-	Office Order No. 751/2022-23	01-11-2022	14-11-2022
4	4 th Rs. 14,49,250/-	F.No.HQ-PROJ012/16/2022-PROJ/6351	14-02-2023	21-02-2023

9.32.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	48	1year	Achieved	None

9.32.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	CARI, Bengaluru	48	46	02	00

9.32.9: Relevant information, if any

9.33. Cross sectional survey to determine the prevalence of NCDs and their risk factors among scheduled castes across India under Ayurveda Mobile Health Care Project-SCSP (Scheduled Caste Sub Plan)

9.33.1. Participating center along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
	CARI, Bengaluru	PI- Dr Thejaswini C, CoI-Dr Srinibash Sahoo & Dr. Vidyashree Anchan

9.33.2. Date of IEC approval: 20/04/2022

9.33.3. CTRI Registration/Reference (for clinical trials): CTRI/2022/07/043637

9.33.4. Date of initiation: 26/07/2022

9.33.5. Budget allocated: 34,99,000

9.33.6. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st Rs.8,74,750	F.No. 65-1/2022-CCRAS/ Admn./SCSP-AMHCP/421	02-05-2022	11-05-2022.
2	2 nd Rs.8,74,750	F.No. 65-1/2022-CCRAS/ Admn./SCSPAMHCP/1974	14-07-2022	29-07-2022
3	3 rd Rs.8,74,750	F.No. 65-1/2022-CCRAS/ Admn./SCSPAMHCP/4745	30-11-2022	09-12-2022
4	4 th Rs.8,74,750	F.No.65-1/2021-CCRAS/ Admn/SCSP/7457	16-02-2023	25-03-2023

9.33.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	185	1year	Achieved	None

9.33.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	CARI, Bengaluru	185	185	0	0

9.33.9. Relevant information, if any:

9.34. A randomized placebo controlled trail of Ayush SR in perceived stress under Ayurveda Mobile Health Care Project- SCSP (Scheduled Caste Sub Plan)

9.34.1. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
	CARI, Bengaluru	PI- Dr Thejaswini C, CoI- Dr Srinibash Sahoo & Dr. Vidyashree Anchan

9.34.2. Date of IEC approval: 20/04/2022

9.34.3. CTRI Registration/Reference (for clinical trials): CTRI/2022/07/043667

9.34.4. Date of initiation: 14/10/2022

9.34.5. Budget allocated: 34,99,000

9.34.6. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
Same as cross sectional survey to determine the prevalence of NCDs and their risk factors among scheduled castes across India under Ayurveda Mobile Health Care Project- SCSP				

9.34.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	50	1year	Achieved	None

9.34.8. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	CARI, Bengaluru	50	46	04	00

9.34.7. Relevant information, if any:

9.35. Clinical Evaluation of Vidanga churna and Vyoshadi Guggulu in the Management of Medoroga (Obesity) under Annual action plan 2018-19

9.35.1. Objectives:

a) Primary objective: To assess the clinical efficacy of Vyoshadi Guggulu and Vidangachurna in the Management of Medoroga (Obesity)

b) Secondary Objective: To assess the clinical safety of Vyoshadi Guggulu and Vidangachurna in the patients of Medoroga (Obesity)

9.35.2. Study Design: Open Clinical Trial

9.35.3. Sample Size: 50

9.35.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: F.No 13-67/2018-CCRAS/Tech/Hq./8304, dated 30th March 2020.

9.35.5. Duration of Study: 2 years, extended for another 1 year and 3 month

9.35.6. Interventions:

1. *Vyoshadi Guggulu* (AFI – Part – I, 5:9 ; API , Part –II, Vol. –II)

Dose : 1 gm (2 Tablets of 500mg each) thrice daily

Dosage form : Tablet

Route of Administration : Oral

Time of Administration : Thrice a day after food

Anupan : Lukewarm water

Duration of therapy : 12 weeks

2. *Vidanga Churna* (API, Part –I, Vol. –II)

Dose : 3g.

Dosage form : Powder

Route of Administration : Oral

Time of Administration : Twice a day after food

Duration of therapy : 12weeks

Follow-up Period : 2Weeks

9.35.7. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
1.	CARI, Bengaluru	Dr. Sanjay Kumar Giri (PI) Dr. Doddamani. S.H (Co-I)

9.35.8. Date of IEC approval: 26.09.2020

9.35.9. CTRI Registration/Reference (for clinical trials): REF/2020/10/037389

9.35.10. Date of initiation: 18.09.2021

9.35.11. Budget allocated: Rs. 16,90,000/-

9.35.12. Installment wise release:

S.NO	Instalment	Sanction order	Date	Date of receipt
01	Rs. 10,15,000	F. No. 3-53/2020-CCRAS/Admn/IMR/8304	30-03-2020	02-04-2020
02	Rs. 5,62,527	F. No. 3-22/2019-CCRAS/Admn/AYUSH-AGT/6293	17-02-2021	23-02-2021
03	Rs. 4,76,236	F. No. 3-3/2017-CCRAS/Admn/PS/769	25-05-2021	28-05-2021

04	Rs. 1,86,000	F. No. 3-3/2017-CCRAS/Admn/IMR/1589	23-06-2022	05-07-2022
05	Rs. 2,42,837	File No.HQ-PROJ011/61/2022-PROJ/6047	03-02-2023	07-02-2023

9.35.13: Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/Not achieved	Causes of deviation, if any
1	50	2 years + 1 year & 3 month	Achieved	-

9.35.14: Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1	CARI, Bengaluru	50	49	01	00

9.35.1: Relevant information, if any

9.36. Effectiveness of Ayush Rasayana A & B on Quality of Life of elderly population- A cluster randomized study" under THCRP 23-24

9.36.1. Objectives:

- a) Primary objective:** 1) To assess effectiveness of Ayush Rasayana A & B on quality of life of elderly population
- b) Secondary Objective:** 1) To assess the effectiveness of Ayush Rasayana A & B on quality of sleep of elderly population
- 2) To assess the effectiveness of Ayush Rasayana A & B on functionality of elderly population
- 3) To assess the tolerability of Ayush Rasayana A & B among elderly population for 3 months

9.36.2. Study Design: Prospective Cluster Randomized multicenter study

9.36.3. Sample Size: 40

9.36.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: Not applicable.

9.36.5. Duration of Study: 12 months

9.36.6. Interventions:

Group-I: (Details at Annexure I & II)

1) AyushRasayana A

- Dose: 10 gm daily
- Dosage form: Powder
- Anupana: lukewarm water
- Route of Administration: Orally
- Time of Administration: once daily after food at bed time
- Duration: 06 days (from the day of enrolment)

2) AyushRasayana B

- Dose: 1.5 gm per day in two divided doses (2 capsules twice a day)
- Dosage form: Capsule (each containing 375 mg extracts)
- Anupana: lukewarm water
- Route of Administration: Orally
- Time of Administration: twice daily before food
- Duration: 84 days (from 7th day onwards to 90th day)

3) Ancillary Care through Ayurveda

Group-II: Ancillary Care through Ayurveda

9.36.7. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Co-investigators, SRF's
	CARI, Bengaluru	PI- Dr SH Doddamani CoI- Dr Rajendra Kumar SRF- Dr. Anu Robert & Dr. Deepika R.

9.36.8. Date of IEC approval: 21/04/2023

9.36.9. CTRI Registration/Reference (for clinical trials): CTRI/2023/06/054204

9.36.10. Date of initiation: 19/12/2023

9.36.11. Budget allocated: Funded under THCRP Programme of Rs. 52,89,870/-

9.36.12. Installment wise release:

Sr. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st instalment 1,204,000	F.No.HQ-PROJ012/12/2023- PROJ/48	25-04-2023	30/05/2023
2	2 nd instalment 12,04,000/-	F.No.HQ-PROJ013(11)/7/2023- PROJ/3831	04-09-2023	01/08/2023
3	3 rd instalment 12,04,000/-	F.No. HQ-PROJ013(11)/7/2023- PROJ/5591	20-11-2023	23/11/2023
	4 th instalment 1,42,240/-	F.No. HQ-PROJ013(11)/7/2023- PROJ/8381	08-03-2024	11/03/2024
	13,20,760/-			
	2,14,870/-			

9.36.13. Chronological timeline & deliverables:

S. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1.	40	12 months	Achieved	None

9.36.14. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	CARI, Bengaluru	40	38	02	00

9.36.15. Relevant information, if any

9.37. Effectiveness of Ayush Rasayana A & B on Quality of Life of elderly population- A cluster randomized study" under SCSP 23-24

9.37.1. Objectives:

Primary:

- To assess effectiveness of Ayush Rasayana A & B on quality of life of elderly population

Secondary:

- To assess the effectiveness of Ayush Rasayana A & B on quality of sleep of elderly population

- To assess the effectiveness of Ayush Rasayana A & B on functionality of elderly population
- To assess the tolerability of Ayush Rasayana A & B among elderly population for 3 months

9.37.2. Study Design: Prospective Cluster Randomized multicenter study

9.37.3. Sample Size: 44

9.37.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: NA

9.37.5. Duration of Study: 12 months

9.37.6. Interventions:

Group-I: (Details at Annexure I & II)

1) AyushRasayana A

- Dose: 10 gm daily
- Dosage form : Powder
- Anupana: lukewarm water
- Route of Administration: Orally
- Time of Administration: once daily after food at bed time
- Duration: 06 days (from the day of enrolment)

2) AyushRasayana B

- Dose: 1.5 gm per day in two divided doses (2 capsules twice a day)
- Dosage form: Capsule (each containing 375 mg extracts)
- Anupana: lukewarm water
- Route of Administration: Orally
- Time of Administration: twice daily before food
- Duration: 84 days (from 7th day on wards to 90th day)

3) Ancillary Care through Ayurveda

Group-II: Ancillary Care through Ayurveda

9.37.7. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Co-investigators, SRF's
	CARI, Bengaluru	PI- Dr Thejaswini C, CoI- Dr Srinibash Sahoo & Dr. Vidyashree Anchan SRF- Dr Sindhu CV & Dr Tejaswi Kiran

9.37.8. Date of IEC approval: 21/04/2023

9.37.9. CTRI Registration/Reference (for clinical trials): CTRI/2023/06/054204

9.37.10. Date of initiation: 12/12/2023

9.37.11. Budget allocated: Funded under SCSP Programme of Rs. 40,24,000/-

9.37.12. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st Rs. 9,60,750/-	F.No.HQ-PROJ013(11)/ 7/2023-PROJ/N93	26-05-2023	31-05-2023
2	2 nd Rs. 9,60,750/-	F.No.HQ-ROJ013(11)/ 7/2023-PROJ/3831	04-09-2023	07-09-2023

3	3 rd Rs 9,60,750 /-	F.No.HQ-PROJ013(11)/ 7/2023-PROJ/5591	20-11-2023	23-11-2023
4	4 th (Rs. 11,41,750/-)	F.No. HQ-PROJ013(11)/7/2023- PROJ/8381	08-03-2024	13-03-2024

9.37.13. Chronological timeline & deliverables:

S. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1.	44	12 months	Achieved	None

9.37.14. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1.	CARI, Bengaluru	44	40	04	00

9.37.15. Relevant information, if any

9.38. Extension of activities being carried out under Poshan Abhiyaan to child care institutes (CCI's)

9.38.1. Objectives:

1. **Geographical coverage:** Activities were carried out through **25** CCRAS Institutes involved in clinical research across India.
2. **Target population:-**Children residing in the CCI (**2-3** CCIs nearby each participating Institutes)
3. **Services:**
 - a) Inculcating healthy lifestyle practices in children as per principles of Ayurveda.
 - b) Nutritional supplements as per the concept of Ayurveda to the children at CCI.
 - c) Periodically Health check-up for identification of MAM/SAM children, Anemia etc. and their management.
 - d) Development of Poshan vatika at CCI as per feasibility.
 - e) Group discussion on health, hygiene and cleanliness for children and staff of CCIs.
 - f) Poem/essay competition on promotion of health and prevention of diseases through Ayurveda principles what they understood through our programme.
 - g) Any other relevant activities.

9.38.2. Study Design: Observational Sample Size: 107 children (CCI's)

9.38.3. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: F.No.: HQ-CR01 1/2/2022-CR/5469, dated 5th Jan 2023.

9.38.4. Duration of Study: 2 months

9.38.5. Interventions: Chyavanaprasha, Drakshavaleha, Arvindasava, Krimimudgar rasa & nutritional supplements

Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI
1.	Central Ayurveda Research Institute, Bengaluru	1. Dr. Shubhashree MN, R.O. (Ay.) 2. Dr. Bhavya B M, R.O.(Ay.)

9.38.6. Date of IEC approval: 09.02.2023

9.38.7. CTRI Registration/Reference (for clinical trials): NA

9.38.8. Date of initiation: 10.02.2023

9.38.9. Budget allocated: Rs. 3,50,900/-

9.38.10. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
1.	Rs.3,50,900/-	F.No.: HQ-CR01 1/2/2022-CR/5469	5 th Jan 2023	31.01.2023

9.38.11. Chronological timeline & deliverables:

S.No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	Children residing in the CCI (2-3 CCIs nearby each participating institutes, around 100)	2 months	Completed	No

9.38.12. Current status: Target achieved

9.38.13. Relevant information, if any:

Sr. No.	Name of the CCI	Total number of students
1.	Bharatha Samskruthi Sampattu	13
2.	Surabhi Thirtha Ashrama	22
3.	Nele Foundation	72
	Total	107

9.39. A Randomized, Placebo-controlled, Double-blind Clinical Trial to Evaluate the Effect of Trikatu in Subclinical Hypothyroidism.

9.39.1. Objectives:

Primary: To evaluate the efficacy of Trikatu in the management of Subclinical Hypothyroidism.

Secondary: To Study the safety of Trikatu in the management of Subclinical Hypothyroidism.

9.39.2. Study Design: Randomized, Placebo control, Double blind

9.39.3. Sample Size: 90 (revised 50)

9.39.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: F.No 3-69/2020-CCRAS/Admn/IMR/1669, dated 23rd July 2020

9.39.5. Duration of Study: 2 year, Extended for 6 months till September 2024.

9.39.6. Interventions: Trikatu Churna

Group I: Trikatu AFI.Vol.1, 322. (Bhaisajyaratnavali, Paribhshaprakaranal6).

Dose : 1000 mg Powder

Dosage form : Tab

Route of Administration : Oral

Anupana : Water

Time of Administration : Twice a day, 30 minutes before food

Duration of therapy : 84 days
Packing : 30 Tab

Group II: Placebo

Dose : 1000 mg Powder
Dosage form : Tab
Route of Administration : Oral
Anupana : Water
Time of Administration : Twice a day, 30 minutes before food
Duration of therapy : 84 days
Packing : 30 Tab

9.39.7. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
1	CARI Bengaluru	Dr. S H Doddamani, RO (Ay.) Dr. Bhavya BM, RO (Ay.)

9.39.8. Date of IEC approval: 26.09.2020

9.39.9. CTRI Registration/Reference (for clinical trials): 16.02.2022

9.39.10. Date of initiation: 10.02.2022

9.39.11. Budget allocated: 25,13,600/-

9.39.12. Installment wise release:

S.No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st installment Rs.13,56,800/-	CCRAS Sanction order number: F.No. 3-69/2020-CCRAS/ADMN/IMR/1669	23.07.20	31.07.2020
2	2 nd installment Rs. 6,78,400/-	CCRAS Sanction order number: F.No. 3-69/2020-CRAS/Admin/IMR/1669, Dt. 23.07.2020	25.05.21	28.05.2021
3	3 rd installment 5,06,000	F.No. 3-3/2017-CCRAS/Admn/IMR/1589	23.06.2022	04.07.2022
4	4 th installment 3,26,238	F.No. 1-33/Cash/CCRAS/22-23/262	20.01.2023	16.01.2023
5	5 th installment 2,89,200	F. No. HQ.-PROJ011/83/2023-PROJ-Part (1)/986	19.05.2023	29.05.2023
6	6 th installment 1,66,290	F No. HQ.-PROJ011/83/2023-PROJ-Part/4405	22.09.2023	25.10.2023
7	7 th installment 4,61,245	F No. HQ.-PROJ011/83/2023-PROJ/8901	23.03.2024	27.03.2024
8	8 th instalment 5,59,789	F No. HQ.-PROJ011/83/2023-PROJ/1100	22.05.2024	07.06.2024

9.39.13. Chronological timeline & deliverables:

S. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1.	90/50 (revised)	2 years	Achieved the revised target	-

9.39.14. Current status: Study completed

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs
1	CARI Bengaluru	55	46	09

9.39.15. Relevant information, if any: None

9.40. Clinical Evaluation of Lekhaniya Gana Kashaya and Arogyavardhini Gutika in the Management of Medoroga (Obesity)

9.40.1. Objectives

- a. **Primary:** To assess the clinical efficacy of *Lekhaniya Gana Kashaya* and *Arogyavardhini Gutika* in the management of *Medoroga* (Obesity)
- b. **Secondary:** To assess the clinical safety of *Lekhaniya Gana Kashaya* and *Arogyavardhini Gutika* in the patients of *Medoroga* (Obesity)

9.40.2. Study Design: Open label prospective clinical trial

9.40.3. Sample Size: 50 subjects

9.40.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: F.No. 3-141/2021-CCRAS/Admn/IMR (O.O No.952), dated 29.12.2021

9.40.5. Duration of Study: 30 months

9.40.6. Interventions:

1. *Lekhaniya Gana Kashaya* [Ch. Su.-4/9(3)]

- Dose : 25gms
- Dosage form : Kwatha churna
- Route of Administration : Oral
- Time of Administration : Twice a day after food
- Duration of therapy : 12 weeks

2. *Arogyavardhini Gutika* (AFI: Part-I, 20:4; Pg 258)

- Dose : 500gms (2 Tablets each of 250mg) twice daily
- Dosage form : Tablet
- Route of Administration : Oral
- Time of Administration : Twice a day after food
- Anupan : Lukewarm water
- Duration of therapy : 12 weeks

9.40.7. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI, Coinvestigators
1.	Central Ayurveda Research Institute, Bengaluru	PI: Dr Bhavya B.M, RO (Ay.) Co-I : 1. Dr Rajendra Paliwal, RO (Ay.) 2. Dr. Shubhashree M.N RO (Ay.)

9.40.8. Date of IEC approval: 24.1.22

9.40.9. CTRI Registration/Reference (for clinical trials): "CTRI/2022/03/040819, dated 04/03/2022

9.40.10. Date of initiation: 29/12/2022

9.40.11. Budget allocated: 9,18,000/-+4,58,774=13,76,774

9.40.12. Installment wise release:

Sl. No.	Installment	Sanctioned order	Date	Date of receipt of fund
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1	1 st Installment Rs. 40,000/-	F.No. 3-141/2021-CCRAS/ Admn/IMR (O.O No.952)	29.12.2021	31.12.2021
2	2 nd Installment 3,54,000/-	F.No.: 3-3/2017- CCRAS/Admn/IMR/1589	23.06.2022	05.07.2022
3	3 rd Installment 4,58,774/-	F.No. 3-141/2021- CCRAS/Admn/IMR/2324	02.08.2022	06.08.2022
4	4 th installment Rs. 58,304/-	F.No.: HQ-PROJ011/65/ 2022-PROJ/6045	03.02.2023	09.02.2023
5	4 th Installment Rs. 85,984/-	.No.: HQ-PROJ011/65/ 2022-PROJ/1250	30.05.2023	03.06.2023
6	4 th Installment Rs. 85,984/-	.No.: HQ-PROJ011/65/ 2022-PROJ/3968	12.09.2023	25.10.2023
7	4 th Installment Rs. 97,285/-	.No.: HQ-PROJ011/65/ 2022-PROJ/7259	29.01.2024	19.03.2024
8.	5 th installment	No.: HQ-PROJ011/65/ 2022-PROJ/612	02.05.2024	21.05.2024

9.40.13. Chronological timeline & deliverables:

Sl. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1.	50	30 Months	Completed	Nil

9.40.14. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1	CARI Bengaluru	50	36	11	00

9.40.15. Relevant information, if any: Final Completion report and UC submitted, article publication is under progress in peer review journal

9.41. Documentation of Life Profiles of Admirable Personalities to Transform Ayurveda (APTA)

9.41.1. Objectives: Compilation of data about luminaries of Ayurveda (Allotted from Hqrs)

9.41.2. Study Design: Not applicable

9.41.3. Sample Size: Not applicable

9.41.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date:

F.No HQ-PROJ011/92/2024-PROJ/3961 dated 25 Sept 2024

9.41.5. Duration of Study: Upto 31st March 2025 (6 months)

9.41.6. Interventions: Not Applicable

9.41.7. Participating centre along with PI:

Sl.no	Name of the participating Centre	Name of PI, Co investigators
1	CARI, Bengaluru	Investigators: Dr. Shubhashree MN Dr. Bhavya BM

9.41.8. Date of IEC approval: Not applicable

9.41.9. CTRI Registration/Reference (for Clinical trials): Not Applicable

9.41.10. Date of initiation: 1st October 2024

9.41.11. Budget allocated: From RA budget not exceeding Rs 14,000/-

9.41.12. Current Status: Draft of the research paper about APTA submitted to Headquarters

9.41.13. Relevant Information: Nothing Specific

9.42. Assessment of acceptability of the comprehensive Ayurveda-based health care approach in the tribal community and effectiveness of individualized health care - Cluster randomized study

9.42.1. Participating center along with PI:

SL. No.	Name of the Participating center	Name of PI,CO-I
1.	CARI Bengaluru	PI- Dr.S. H Doddamani CO-I-Dr.Rajendra Paliwal

9.42.2. IEC approval Date: 06/07/2024

9.42.3. CTRI registration /Reference (for clinical trials): CTRI/2024/07/07/0055

9.42.4. Date of Initiation: 29/04/202

9.42.5. Budget allocated:56,00,000

9.42.6. Installment wise release:

Sl. No.	Instalment	Amount	Sanction order	Date	Date of receipt of fund
1.	1 st instalment	13,75,000/-	F. No: HQ-PROJ012/1/2024-PROJ/249	22/04/2024	24/04/2024
2.	2 nd instalment	9,17,000/-	F. No:HQ-PROJ012/1/2024-PROJ/2930	07/08/2024	07/08/2024
3.	3 rd instalment	4,58,000/-	F. No: HQ-PROJ012/1/2024-PROJ/4292	10/10/2024	14/10/2024
4.	4 th instalment	13,75,000/-	F. No:HQ-PROJ012/1/2024-PROJ/4998	12/11/2024	14/11/2024
5.	5 th instalment	13,75,000/-	F. No: HQ-PROJ012/1/2024-PROJ/7015	6/02/2025	15/02/2025
6.	6 th instalment	1,00,000/-	F. No:HQ-PROJ012/1/2024-PROJ/8100	19/03/2025	20/03/2025

9.42.7. Chronological timeline and deliverables:

S. No.	Target	Timeline	Achieved / Not achieved	Causes of deviation if any
1.	520	12 months	Achieved	Nil

9.42.8. Current status:

S.No.	Participating center	No. of cases enrolled	No. of cases completed	No. of cases dropouts	No. of cases continued
1.	CARI Bengaluru	520	520	0	0

9.42.9. Relevant information, if any: None

Acceptability of the comprehensive Ayurveda-based health care approach in the community and effectiveness of individualized health care - Cluster randomized study

Participating center along with PI:

SL.NO	Name of the Participating center	Name of PI, CO-I
1.	CARI Bengaluru	PI: Dr. Thejaswini.C Co-I: Dr. Srinibash Sahoo Dr. Vidyashree Anchan

- IEC approval Date: 06/07/2024
- CTRI registration /Reference (for clinical trials): CTRI/2024/07/069982 (Registered on: 04-07-2024)
- Date of Initiation: 05/04/2024
- Budget allocated:41,68,000/-
- Installment wise release:

Sl. No.	Instalment	Amount	Sanction order	Date	Date of receipt of fund
1.	1 st instalment	10,42,000/-	File. No. HQ-PROJ013/1/2024-PROJ/470	30/04/2024	07/05/2024
2.	2 nd instalment	6,95,000/-	File. No. HQ-PROJ013/1/2024-PROJ/3066	08/08/2024	12/08/2024
3.	3 rd instalment	3,47,000/-	File. No. HQ-PROJ013/1/2024-PROJ/4218	08/10/2024	15/10/2024
4.	4 th instalment	10,42,000/-	File. No. HQ-PROJ013/1/2024-PROJ/5000	12/11/2024	20/11/2024
5.	5 th instalment	10,42,000/-	File. No. HQ-PROJ013/1/2024-PROJ/7381	27/02/2025	05/03/2025

- Chronological timeline and deliverables:

S. No.	Target	Timeline	Achieved / Not achieved	Causes of deviation if any
01.	480	12 months	Achieved	Nil

- Current status:

S.No.	Participating center	No. of cases enrolled	No. of cases completed	No. of cases dropouts	No. of cases continued
1.	CARI Bengaluru	480	476	4	0

- Relevant information, if any: None

10. BRIEF RESUME OF ONGOING CLINICAL RESEARCH PROJECTS

10.1. Efficacy and safety of Ayurveda Formulation 'Trikatu' in Dyslipidemia – A Prospective Randomized Double Blind Placebo Controlled Trial

10.1.1. Objectives

- a. Primary objective: To assess the efficacy and safety of Ayurvedic Formulation "Trikatu" for improving lipid parameters in dyslipidemia
- b. Secondary Objective: To assess the changes in Gut Microbiota Correlates in response to the trial interventions

10.1.2. Study Design: Randomized, Placebo controlled, Double blinded Study

10.1.3. Sample Size: 120 subjects

10.1.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: Council's Office Order No. 522/22-23, dated 30th August 2022

10.1.6. Duration of Study: 2 years

10.1.7. Interventions:

Group I:

Intervention	: Tablet Trikatu
Dose	: 1000 mg with Luke warm water
Dosage form	: Tablet
Route of Administration	: Oral
Time of Administration	: one hour after food twice daily
Anupan	: Lukewarm water
Duration of therapy	: 84 days

Group II

Intervention	: Matching placebo
Dose	: 1000 mg with Lukewarm water
Dosage form	: Tablet
Route of Administration	: Oral
Time of Administration	: one hour after food twice daily
Anupan	: Lukewarm water
Duration of therapy	: 84 days

10.1.8. Participating centre along with PI:

S.No	Name of the participating centre	Name of Investigators
1.	Central Ayurveda Research Institute, Bengaluru	Principal Investigator: Dr Bhavya BM, RO (Ay.) Co-Investigators 1. Dr. Shubhashree MN, RO (Ay.) 2. Dr Rajendra Paliwal, RO (Ay.) 3. Dr. Kuppan Gokulakrishnan, Asst .Prof., Neurochemistry, NIMHANS, Bengaluru 4. Dr. Vidyashree Anchan, RO (Pathology)

10.1.9. Date of IEC approval: 07/06/2022, amendment on 09/02/2022

10.1.10. CTRI Registration/Reference (for clinical trials): CTRI/2022/11/047322, dated 15/11/2022

10.1.11. Date of initiation: 29/12/2022

10.1.12. Budget allocated: 96, 10,332/- (Additional budget allocated 5,49,376/- in salary head(F. No.: HQ-PROJ011/2/2022/-PROJ/4456)

10.1.13. Installment wise release:

Sl. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1.	1 st Installment Rs. 18,76,000/-	Council's Office Order No. 522/22-23	30.08.2022	15.09.2022
2.	2 nd Installment Rs. 1,13,000/-	F.No.: HQ-PROJ011/2/2022-PROJ/6336	14.02.2023	17.02.2023
3.	3 rd Installment Rs.4,69,432+64497	HQ-PROJ011/2/2022-PROJ/1591	14.06.2023	22.06.2023
4.	4 th Installment Rs. 5,13,929/-	HQ-PROJ011/2/2022-PROJ/3655	25.08.2023	11.09.2023
5.	5 th Installment Rs. 7,73,404/-	HQ-PROJ011/2/2022-PROJ/6595	29.12.2023	13.03.2024
6.	6 th Installment Rs. 1,32,481/-	HQ-PROJ011/2/2022-PROJ/8592	15.03.2024	21.03.2024
7.	7 th instalment of Rs. 4,30,252	F. No.: HQ-PROJ011/2/2022/-PROJ/471	30-04-2024	13-05-2024
8.	8 th instalment of Rs. 4,79,722	F. No.: HQ-PROJ011/2/2022/-PROJ/4456	14/10/2024	30-10-2024
9.	9 th Instalment of Rs.4,71,307/-	F. No.: HQ-PROJ011/2/2022/-PROJ/5472	3/12/24	Not released but same amount transferred from Insomnia project on 17-12-2024 and the same was returned to Insomnia on 10-02-2025
10.	10 th Instalment of Rs. 7,37,732/- and Rs. 75,959/-	F. No.: HQ-PROJ011/2/2022/-PROJ/7413	12-02-2025	13-03-2025
11.		F. No.: HQ-PROJ011/2/2022/-PROJ/8041	19/3/2025	24-03-2025

10.1.14. Chronological timeline & deliverables:

Sl. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	120	24 months	ongoing	Nil

10.1.15. Current status:

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1	CARI Bengaluru	93	63	7	23

10.1.16. Relevant information, if any: Nothing Specific

Extension of the project along with manpower and Inter-head adjustment: F. No.: HQ-PROJ011/2/2022/-PROJ/4454 – Extended up to 29.08.2025 and Inter-head adjustment of Rs.5,96,004/- from other head to salary head (F. No.: HQ-PROJ011/2/2022/-PROJ/4456).

10.2. Cross Sectional Survey to explore the association of Prakriti with Diabetic Retinopathy

10.2.1. Objectives

- To explore the association between specific type of *Prakriti* (Body Constitution) with Diabetic Retinopathy (DR)

10.2.2. Study Design: Prospective Observational Survey Study

10.2.3. Sample Size: 1350 subjects

10.2.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: Council's Office Order No: 1105/2022-23, dated 20.01.2023

10.2.6. Duration of Study: 1 year

10.2.7. Participating Centre along with Pi:

S.No	Name of the Institute	Name of Investigators
1.	Central Ayurveda Research Institute, Bengaluru	I. Principal Investigator: Dr. Bhavya B.M, RO (Ay.) II. Co-Investigators: 1. Dr Shubashree M. N, RO (Ay.) 2. Dr. S.H. Doddamani, RO (Ay.) III. Consultant: 1) Dr Shwetha B A, MBBS, DNB (Ophthalmology)

10.2.8. Date of IEC approval: Approved, dated 09-02-2023

10.2.9. CTRI Registration/Reference: CTRI/2023/03/050574, dated 10-03-2023

10.2.10. Date of initiation: Initiated on 14-03-2023

10.2.11. Budget allocated: 15,15,900 +9,60,120

10.2.12. Installment wise release:

Sl. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st Installment Rs. 1,50,000/-	O.O. No: 1105/2022-23	20.01.2023	30.01.2023
2	2 nd Installment Rs. 3,39,355/-	HQ-PROJ011/123/2022-PROJ/1158	25.05.2023	30.05.2023
3	3 rd Installment Rs. 2,89,355/-	HQ-PROJ011/123/2022-PROJ/3534	22.08.2023	26.08.2023
4	4 th Installment Rs. 73,275/-	HQ-PROJ011/123/2022-PROJ/7282	29.01.2024	14.03.2024
5	5 th Installment Rs. 1,00,475/-	HQ-PROJ011/123/2022-PROJ/8858	21.03.2024	23.03.2024
6	6 th Installment Rs. 2,47,300/-	HQ-PROJ011/123/2022-PROJ/447	29.04.2024	14.05.2024
7	7 th Installment Rs. 1,79,099/-	HQ-PROJ011/123/2022-PROJ/2750	01.08.2024	13.09.2024

8	8 th Installment Rs. 2,10,200/-	HQ-PROJ011/123/2022- PROJ/5473	03.12.2024	Rs. 2,10,200 amount transferred from Insomnia project on 17-12- 2024 and the same was transferred back to Insomnia on 10-02-2025
9	9 th Installment Rs. 2,25,900/-	HQ-PROJ011/123/2022- PROJ/6720	29.01.2025	11.02.2025

10.2.13. Chronological timeline & deliverables: initiated

Sl. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1.	1350	12 months +18 months	ongoing	Nil

10.2.14. Current status: Study initiated

S. No.	Participating Centre	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1	CARI Bengaluru	485	485	0	00

10.2.15. Relevant information, if any: Nothing Specific

10.3. Management of Autism Spectrum Disorder in children through a comprehensive Ayurveda approach as an add-on to conventional therapy - A randomized control clinical trial

10.3.1. Objectives:

Primary Objective:

- To evaluate the efficacy of the comprehensive Ayurveda approach as an add-on to the conventional therapy in children with autism spectrum disorder (ASD).

Secondary Objectives:

- To evaluate the intellectual ability of the child.
- To evaluate the daily living adaptive functioning of the child.
- To evaluate the quality of life of parents of children with autism.

10.3.2. Study Design:

Approximately 5 therapy centres in Bengaluru shall be identified where conventional therapy for ASD is being provided. After receiving approval from the Institutional Ethics Committee (IEC) and registering the study with CTRI, the consultants of the respective centres will be informed and parents of the children from any of these centres who agree to take part in the study will be selected.

The parents of the child diagnosed with ASD will also be informed about the study in detail (in their regional language) and those who are willing and ready to provide consent will be included in the study for further evaluation.

Children in the centres within the age range of 6-15 years will be initially screened for ASD using IASQ. After screening, children who fulfil the DSM V diagnostic criteria will be further

assessed using ISAA and will be categorized into mild (70-106), moderate (107-153) and severe (>153). The children diagnosed with mild to moderate degree ASD from different centres will be included in the study. Participants will be recruited in the study based on the study's defined inclusion and exclusion criteria.

A total of 7 visits will be scheduled for assessment and follow-up to record the safety and response of the trial participants.

All the relevant documents, including case record forms, assessment reports and investigation reports, will be carried by the investigator during every visit.

10.3.3. Sample Size: 80

10.3.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: Council's Office Order No: 533/2024-25 (F. No. HQ-PROJ011/77/2024-PROJ/533 dated 23/07/24.

10.3.5. Duration of Study: 2 years

10.3.6. Participating centre along with PI:

S.No	Name of the Institute	Name of Investigators
1.	Central Ayurveda Research Institute, Bengaluru	Principal Investigator: Dr. Vidyashree Anchan, RO (Path.) Co-Investigators: Dr Thejaswini C, RO (Ay.) Dr Srinibash Sahoo, RO (Ayu.)

10.3.7. Date of IEC approval: 08/01/2025

10.3.6. CTIRI Registration/Reference (for clinical trials): Yet to be done

10.3.7. Date of initiation: Not yet initiated

10.3.8. Budget allocated: Rs. 59,59,286/-

10.18.9. Installment wise release

Sl. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st Installment Rs. 4,30,800/-	F. No. HQ-PROJ011/77/ 2024-PROJ/533	23/07/24	30/10/24

10.3.10. Expected date of Completion: Two years from dated of initiation

10.3.11. Chronological timeline & deliverables: Yet to be initiated

Sl. No.	Target	Timeline	Achieved	Causes of deviation, if any
1.	80 sample size	24 months	Institutional Ethics Committee (IEC) approval has been obtained, The interview for the recruitment of a Essential assessment scales have been purchased. Saraswatha Ghritha has been received from IMPCL. We are currently awaiting the receipt of AYUSH MANAS from RARI, Vijayawada, to proceed further.	AYUSH MANAS Awaited from RARI Vijaywada

10.4. Documentation of Prescription Trends in Osteoarthritis by Ayurveda Physicians—A Retrospective Analysis

10.4.1. Objectives: To evaluate the prescription pattern of the most frequently prescribed drugs along with duration in Osteoarthritis prescribed in OPD Level at Central Ayurveda Research Institute, Bangalore

10.4.2. Study Design: Retrospective analysis of OPD Case report forms prescribed for Osteoarthritis in Central Ayurveda Research Institute in last 3 years. April 2021- March 2024.

10.4.3. Sample Size: 20,000 case sheets

10.4.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date:

Approved in IMR-PEMC dated 28th March 2024, 26th April 2024

10.4.5. Duration of Study: 1 year

10.4.6. Interventions: Not Applicable

10.4.7. Participating centre along with PI:

Sl. No.	Name of the participating Centre	Name of PI, Co investigators
1	CARI, Bengaluru	PI: Dr. Shubhashree MN Co-I: Dr. Thejaswini. C

10.4.8. Date of IEC approval: 06/07/2024

10.4.9. CTRI Registration/Reference (for Clinical trials): Not Applicable

10.4.10. Date of initiation: 1st October 2024

10.4.11. Budget allocated: Rs.45,000/-

10.4.12. Installment wise release:

S.No	Installment	Sanctioned Order	Date	Date of receipt of fund
1	1 st installment Rs.27,000/-	CCRAS Office Order No./242/2024-25	18/06/2024	18/06/2024

10.4.13. Chronological timeline and deliverables:

Sl. No	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1	Preparatory Phase	2 months	Achieved	Nil
2	Data entry	10 months	600 data entered	None

10.4.14. Current Status: Ongoing

10.4.15. Relevant Information: Nothing Specific

12. Sanctioned IMR Clinical Research Projects to Be Initiated: None

13. Research Proposals Submitted for Approval to CCRAS Hqrs.

- Evaluation of efficacy of usual care Ayurveda interventions and treatment as usual in elderly participants with knee Osteoarthritis for improving functionality and quality of life - Pragmatic trial.
- Evaluating Safety and Efficacy of Integrative Ayurveda and Yoga Intervention as add-on therapy in Geriatric depression
- Evaluation of Effect of Ayurvedic Interventions in the Management of Refractive changes Associated with Diabetes: A Randomized Double Blinded Placebo Controlled Clinical Trial
- A Clinical Study to assess the safety and efficacy of 'Vayasthapana Gana' Ghana Vati on Ageing

- Prospective clinical trial to assess the efficacy, compatibility, and tolerability of Millets in Samsarjana Project
- A Randomized clinical study to evaluate the safety and efficacy of AYUSH-82 Ayurvedic formulation on non-Chronic Type 2 Diabetes Mellitus and its Bio-Molecular evaluation
- A prospective randomized double blind clinical trial to assess the efficacy and safety of *Arjunarista and Navaka guggulu* in Dyslipidemia as a preventive measure for vascular disorders
- Randomized Controlled Trial to evaluate the efficacy of Gandha Thaila and Kukkutanda tvak Bhasma as add on to standard care in the management of Osteopenia/Osteoporosis (Submitted to ICMR)
- A Study on the effect of ‘Acharya Rasayana’ and ‘Amalaki Rasayana’ on enhancing Behavioral and Immunological Health” through Ayurvedic holistic approach (IKS)
- Development of Quality Standards for Useful Parts of Selected Medicinal Plants of Ayurveda

PART-B HOSPITAL STATISTICS

a. Out Patient Department

Statement of patients attended at OPD during different years (Since inception up to March 2024)

Year	New cases				Total		Old case				Total		G. Total	
	M	F	MC	FC	M	F	M	F	MC	FC	M	F	M	F
1981-82	141	171	136	84	277	255	178	220	198	81	376	301	653	556
1982-83	633	854	430	377	1063	1231	1439	1719	473	510	1912	2229	2975	3460
1983-84	528	601	125	191	653	792	1303	1446	254	237	1557	1683	2210	2475
1984-85	527	621	223	182	750	803	1193	1731	263	238	1456	1969	2206	2772
1985-86	487	538	159	135	646	673	1066	1582	203	275	1269	1857	1915	2530
1986-87	519	549	134	152	653	701	1485	1674	228	225	1713	1899	2366	2600
1987-88	562	471	124	155	686	626	1579	1541	131	281	1710	1822	2396	2448
1988-89	519	429	89	130	608	559	1598	1488	214	269	1812	1757	2420	2316
1989-90	253	345	49	50	302	395	633	916	59	88	692	1004	994	1399
1990-91	320	334	65	76	385	410	843	803	83	80	926	883	1311	1293
1991-92	301	283	68	86	369	369	683	1158	92	86	775	1244	1144	1613
1992-93	359	561	70	97	429	658	869	1211	101	86	970	1297	1399	1955
1993-94	320	334	65	76	385	410	843	803	83	80	926	883	1311	1293
1994-95	273	345	49	50	322	395	633	916	59	88	692	1004	1014	1399
1995-96	327	316	76	99	403	415	924	1199	137	129	1061	1328	1464	1743
1996-97	436	686	111	148	547	834	1463	2731	324	314	1787	3045	2334	3879
1997-98	600	938	169	218	769	1156	1716	3268	350	296	2066	3564	2835	4720
1998-99	863	1136	202	190	1065	1326	2413	4098	450	459	2863	4557	3928	5883
1999-00	1251	1854	232	293	1483	2147	3553	6045	379	645	3932	6690	5415	8837
2000-01	1187	1495	165	253	1352	1748	2870	3915	171	325	3041	4240	4393	5988
2001-02	1158	1430	167	213	1325	1643	2997	3706	224	305	3221	4011	4546	5654
2002-03	1127	1279	175	222	1302	1501	2825	3425	297	295	3122	3720	4424	5221
2003-04	1017	1287	145	121	1162	1408	2823	3695	205	200	3028	3895	4190	5303
2004-05	1184	1015	91	107	1275	1122	1604	1990	88	154	1692	2144	2967	3266
2005-06	1371	977	122	97	1493	1074	3413	2770	141	131	3554	2901	5047	3975

2006-07	1408	971	88	85	1496	1056	3473	2937	124	126	3597	3063	5093	4119
2007-08	1312	866	75	93	1387	959	3194	2942	118	147	3312	3089	4699	4048
2008-09	1389	988	75	125	1464	1113	3210	2838	95	154	3305	2992	4769	4105
2009-10	1283	988	77	69	1360	1057	3273	2797	128	132	3401	2929	4761	3986
2010-11	1366	1123	81	89	1447	1212	4033	3704	116	130	4149	3834	5596	5046
2011-12	1524	1356	84	116	1608	1472	4979	4916	171	313	5150	5229	6758	6701
2012-13	1384	1216	84	69	1468	1285	5311	4664	196	120	5507	4784	6975	6069
2013-14	1583	1350	78	78	1661	1428	5198	4361	111	66	5309	4427	6970	5855
2014-15	1567	1280	78	62	1645	1342	4974	4465	75	89	5049	4554	6694	5896
2015-16	2145	1714	88	75	2233	1789	6590	5460	146	92	6736	5552	8969	7341
2016-17	1864	1510	78	66	1942	1576	4997	3786	86	62	5083	3848	7025	5424
2017-18	1854	1328	61	62	1915	1390	4609	3229	75	82	4684	3311	6599	4701
2018-19	3163	2178	125	106	3288	2284	6690	4705	153	71	6843	4776	10131	7060
2019-20	3787	2997	176	117	3963	3114	7942	6449	160	158	8102	6607	12065	9721
2020-21	3468	2604	165	148	3633	2752	7074	5077	200	182	7274	5259	10907	8011
2021-22	4041	3101	187	127	4228	3228	8215	6087	130	115	8345	6202	12573	9430
2022-23	5506	4623	271	158	5777	4781	11903	9865	264	125	12167	9990	17944	14771
2023-24	6711	6391	244	190	6955	6581	14252	12851	232	155	14484	13006	21439	19587
2024-25	8088	8030	269	185	8357	8215	14403	13707	218	193	14621	13900	22978	22115
Total	69706	63463	5825	5822	75531	69285	165266	158890	8005	8389	173271	167279	248802	236564

Total number of patient treated since inception: 4,85,366

In-Patient Department: 630 patients admitted.

12. Statement of Patients attended old OPD during the reporting period for April 2024 –October 2024

(Services at Old OPD withdrawn from October 31st 2024 as per instructions from CCRAS Headquarters)

S. No	NAM C ID	NAM C Code	NAMC_Name	Short_definition	No. of patients treated														Grand Total (M+F)
					New						Follow up						Total		
					Adult		Child		Total		Adult		Child		Total				
					M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1.	2983	AAC-12.4	विबन्ध	simple constipation	19	5	0	1	19	6	44	13	0	0	44	13	63	19	82
2.	157	AAC-20	गृध्रसी	sciatica	7	1	0	0	7	1	13	1	0	0	13	1	20	2	22
3.	163	AAC-24	पक्षाघातः/पक्षवधः	hemiplegia/hemiparesis	4	0	0	0	4	0	9	0	0	0	9	0	13	0	13
4.	241	AAE-9	मांसगतवातकोप	vitiated वात in माम्स	1	0	0	0	1	0	1	0	0	0	1	0	2	0	2
5.	135	AAC-4	अर्दितः	facial paralysis	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1
6.	141	AAC-8	अवबाहुकः	frozen shoulder	20	12	0	0	20	12	28	4	0	0	28	4	48	16	64
7.	248	AAE-16	सन्धिवातः	osteo-arthritis	19	14			19	14		21				21			
					3	1	0	0	3	1	237	1	0	0	237	1	430	352	782
8.	348	ACB-23	अग्निमान्द्यम्	impaired digestion / loss of appetite	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1
9.	480	EA-3	कासः	cough / tussis	53	31	5	3	58	34	58	28	2	3	60	31	118	65	183
10.	489	EA-4	श्वासः	dyspnoea	11	8	0	0	11	8	21	5	0	0	21	5	32	13	45

11.	511	EA-6	उरःक्षतः / क्षतक्षीण	thoracic trauma	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1
12.	633	EB-10	शूलः	colicky pain/abdominal colic	11	11	0	1	11	12	4	10	0	0	4	10	15	22	37
13.	676	EB-12	परिकर्तिका	proctalgia	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1
14.	515	EB-2	अतिसारः	diarrhoea	0	2	0	0	0	2	0	1	0	0	0	1	0	3	3
15.	536	EB-3	अजीर्णम्	indigestion	1	1	0	0	1	1	1	1	0	1	1	2	2	3	5
16.	558	EB-4	अम्लपित्तम्	hyperacidity	51	24	0	1	51	25	57	10	0	0	57	10	108	35	143
17.	628	EB-9	प्रवाहिका	dysentery	3	2	0	1	3	3	10	1	0	0	10	1	13	4	17
18.	689	EC-3	ज्वरः	fever / pyrexia	6	6	0	2	6	8	3	1	0	1	3	2	9	10	19
19.	812	EC-5	पाण्डुरोगः	anaemia	0	1	0	0	0	1	0	1	0	0	0	1	0	2	2
20.	823	EC-6	आमवातः	rheumatism due to आम	1	5	0	0	1	5	2	8	0	0	2	8	3	13	16
21.	828	EC-7	अरुचिः	anorexia	0	1	0	0	0	1	0	4	0	0	0	4	0	5	5
22.	1029	ED-14	शीतपित्तम्	urticaria with <i>vata</i> predominance	23	9	1	1	24	10	28	6	0	9	28	15	52	25	77
23.	850	ED-2.8	निद्रानाशः / अनिद्रा	loss of sleep (insomnia)	4	1	0	0	4	1	2	2	0	0	2	2	6	3	9
24.	874	ED-3	कामला	jaundice	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1
25.	883	ED-4	कुष्ठम्	integumentary disease	12	5	0	0	12	5	14	9	0	0	14	9	26	14	40
26.	905	ED- 4.3.10	विचर्चिका	wet eczema	28	10	1	0	29	10	31	9	0	0	31	9	60	19	79

27.	897	ED-4.3.3	किटिभः	psoriasis	31	26	0	0	31	26	28	22	0	0	28	22	59	48	107	
28.	900	ED-4.3.6	दद्रु-कुष्ठः	ringworm / tinea	2	1	0	0	2	1	0	0	0	0	0	0	2	1	3	
29.	919	ED-5	श्वित्रः	vitiligo /leucoderma	7	2	0	0	7	2	19	6	0	0	19	6	26	8	34	
30.	972	ED-9	विद्रधिः	abscess	2	0	1	0	3	0	0	0	0	0	0	0	3	0	3	
31.	1064	EE-2	अर्बुदः	tumor	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	
32.	1074	EE-3	अर्शः	haemorrhoids	28	13	0	0	28	13	29	13	0	0	29	13	57	26	83	
33.	1095	EE-4	ग्रन्थिः	cyst	9	5	0	0	9	5	17	15	0	0	17	15	26	20	46	
34.	1139	EF-2.4.4	मधुमेहः	diabetes mellitus	80	44	0	0	80	44	435	22	9	0	0	435	22	515	273	788
35.	1161	EF-3	मेदोरोगः	obesity	2	1	0	0	2	1	1	1	0	0	1	1	3	2	5	
36.	1173	EI-2	क्लैब्यम्	male infertility	2	0	0	0	2	0	1	0	0	0	1	0	3	0	3	
37.	1244	EI-6.8	अन्त-वृद्धिः	hernia	1	3	0	0	1	3	5	0	0	0	5	0	6	3	9	
38.	1248	EJ-2	अश्मरी	lithiasis/urolithiasis/nephrolithiasis	3	1	0	0	3	1	2	0	0	0	2	0	5	1	6	
39.	1258	EJ-3	मूत्राघातः	urinary retention	6	2	1	0	7	2	4	4	1	0	5	4	12	6	18	
40.	1278	EJ-4	मूत्रकृच्छ्रम्	dysuria	3	2	0	0	3	2	5	1	0	0	5	1	8	3	11	
41.	1304	EK-3	श्वयथुः/शोथः/शोफः	oedema/inflammation	3	1	0	0	3	1	0	0	0	0	0	0	3	1	4	
42.	1337	EK-4.6	यकृद्वाल्गुदरः	hepatomegaly	1	0	0	0	1	0	3	0	0	0	3	0	4	0	4	

43.	1360	EL-2.10	उदावर्तिनी	dysmennorrhea	0	7	0	0	0	7	0	9	0	0	0	9	0	16	16
44.	1392	EL-4	रक्तप्रदरः/असृग्दरः	menorrhagia / metrorrhagia / dysfunctional uterine bleeding (DUB)	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1
45.	1398	EL-5	श्वेतप्रदरः	leucorrhoea	0	6	0	0	0	6	0	12	0	0	0	12	0	18	18
46.	1521	EM-11	भ्रमः	giddiness / dizziness / vertigo	2	4	0	0	2	4	0	2	0	0	0	2	2	6	8
47.	1421	EM	मनोवहस्रोतोविचारः	disorders of मनोवहस्रोतस्	6	2	0	0	6	2	3	3	0	0	3	3	9	5	14
48.	1466	EM-5	मदात्ययः	alcohol abuse	6	0	0	0	6	0	2	0	0	0	2	0	8	0	8
49.	1522	F	शिरःशूल / शिरोरुक्	headache/cephalgia/cephalalgia	7	5	0	0	7	5	6	10	0	0	6	10	13	15	28
50.	1530	F-8	अर्धविभेदकः	hemicrania	3	1	0	0	3	1	12	1	0	0	12	1	15	2	17
51.	1543	FA-3	खलित्यम्	baldness / alopecia totalis	4	6	1	0	5	6	0	2	1	0	1	2	6	8	14
52.	1548	FA-4	दारुणकः	pytiasis capitis	2	1	0	0	2	1	0	1	0	0	0	1	2	2	4
53.	1583	GC	दन्तरोगः	tooth disorders	1	2	0	0	1	2	2	0	0	0	2	0	3	2	5
54.	1643	GF-19	गलगण्डः	goiter	3	5	0	0	3	5	0	3	0	0	0	3	3	8	11
55.	1649	GG	मुखपाकः	stomatitis	3	1	1	0	4	1	7	2	0	0	7	2	11	3	14
56.	1662	H	अक्षिरोगः/नेत्ररोगः	ophthalmic diseases/ eye diseases	5	0	0	0	5	0	0	0	0	0	0	0	5	0	5
57.	1813	I	नासारोगः	nose diseases	1	1	0	0	1	1	5	0	0	0	5	0	6	1	7

58.	1814	I-1	प्रतिश्यायः /पीनसः	rhinitis	17	11	0	0	17	11	15	9	0	0	15	9	32	20	52
59.	1860	J	कर्णरोगः	ear diseases	1	1	0	0	1	1	0	3	0	0	0	3	1	4	5
60.	1897	J-20	कर्णशूलः	earache/otalgia	0	2	0	0	0	2	0	0	0	0	0	0	0	2	2
61.	1913	K	व्रणः	wounds	2	2	0	0	2	2	0	0	0	0	0	0	2	2	4
62.	2170	MD-11	दौर्बल्यम्	debility	17	8	1	1	18	9	43	48	0	0	43	48	61	57	118
63.	2184	N	कृमिः/सञ्जातकृ मि	worm infestation	0	0	0	1	0	1	0	0	0	2	0	2	0	3	3
					71 0	44 5	1 3	1 2	72 3	45 7	120 7	72 2	4 4	1 6	121 1	73 8	193 4	119 5	3129

Total New Patients –1180; Total Old Patients –1949; Grand Total – 3129

- Number of patients in Old OPD : **3,129**
- Number of patients in New OPD : **41,320**
- Number of patients in NAL OPD : **644**
- Total** : **45,093**

8a. Statement of Patients attended New OPD during the reporting period for April 2024 to March 2025

S. N o.	NA MC ID	NA MC Code	NAMC_Name	Short_definition	No. of patients treated														Grand Total (M+ F)		
					New						Follow up						Total				
					Adult		Child		Total		Adult		Child		Total						
					M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F
1	147	AAC-12	आध्मानम्/ आनाहः	distension/tympanites /meteorism or painful abdominal distension	14	10	0	0			12	5	0	0			12	5	26	15	41
2	2983	AAC-12.4	विबन्ध	simple constipation	81	58	0	7			96	39	0	8			96	47	177	112	289
3	157	AAC-20	गृध्रसी	sciatica	435	434	1	3			552	655	1	0			553	655	989	1092	2081
4	163	AAC-24	पक्षाघातः/पक्षवधः	hemiplegia/hemiparesis	49	12	0	0			101	15	0	0			101	15	150	27	177
5	241		ममसगत वात	Mamsagata vata kosha	4	3	2	0			9	7	1	12							
6	174	AAC-32	मन्यास्तम्भः	Stiff neck/ torticollis/spasmodic torticollois	8	4	0	0			14	11	3	0			17	11	25	15	40
7	177	AAC-35	विश्वची	brachial neuralgia /arm pain	17	28	0	0			3	7	0	0			3	7	20	35	55
8	135	AAC-4	अर्दितः	facial paralysis	1	1	0	0			0	0	0	0			0	0	1	1	2
9	141	AAC-8	अवबाहुकः	frozen shoulder	79	98	2	0			72	117	0	0			72	117	153	215	368
10	248	AAE-16	सन्धिवातः	osteo-arthritis	1878	2320	9	9	1887	2329	3076	4019	1	5			3077	4024	4964	6353	11317

11	285	ABB-24	दाहः	burning sensation	35	51	0	2	35	53	48	24	0	0	48	24	83	77	160
12	287	ABB-26	पालित्य	premature graying of hair	3	3	0	0	3	3	3	2	0	0	3	2	6	5	11
13	348	ACB-23	अग्निमान्द्यम्	impaired digestion / loss of appetite	12	10	1	2	13	12	8	1	1	0	9	1	22	13	35
14	420	BI	राजयक्ष्मा	consumption	2	0	0	0	2	0	0	1	0	0	0	1	2	1	3
15	480	EA-3	कासः	cough / tussis	199	147	5	3	254	180	251	224	4	39	298	263	552	443	995
16	489	EA-4	श्वासः	dyspnoea	138	106	2	7	159	113	190	103	2	11	211	114	370	227	597
17	500	EA-5	स्वरभेदः	dysphonia	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1
18	633	EB-10	शूलः	colicky pain/abdominal colic	77	71	7	2	84	73	113	85	2	3	115	88	199	161	360
19	643	EB-10.10	परिणामशूलः	duodenal ulcer	3	0	0	0	3	0	4	2	0	0	4	2	7	2	9
20	656	EB-11	उदावर्तः	obstipation	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1
21	676	EB-12	परिकर्तिका	proctalgia	15	15	0	0	15	15	6	4	0	0	6	4	21	19	40
22	515	EB-2	अतिसारः	diarrhoea	12	6	0	0	12	6	8	9	0	0	8	9	20	15	35
23	536	EB-3	अजीर्णम्	indigestion	24	12	2	4	26	16	22	26	1	1	23	27	49	43	92
24	543	EB-3.7	विसूचिका	acute gastroenteritis	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1
25	558	EB-4	अम्लपित्तम्	hyperacidity	330	232	3	3	333	235	383	302	0	5	383	307	716	542	1258

26	601	EB-7	ग्रहणीदोषः	disorders of lower gastro-intestinal tract	21	8	0	0	21	8	22	12	0	0	22	12	43	20	63
27	628	EB-9	प्रवाहिका	dysentery	0	2	0	0	0	2	0	1	0	0	0	1	0	3	3
28	681	EC-2	हृद्रोगः	heart disease	11	3	0	0	11	3	36	6	0	2	36	8	47	11	58
29	689	EC-3	ज्वरः	fever / pyrexia	64	44	1	1	79	55	54	40	6	6	60	46	139	101	240
30	812	EC-5	पाण्डुरोगः	anaemia	7	28	0	0	7	28	25	80	0	0	25	80	32	108	140
31	823	EC-6	आमवातः	rheumatism due to आम	55	151	0	1	55	152	127	301	0	2	127	303	182	455	637
32	828	EC-7	अरुचिः	anorexia	1	1	1	0	2	1	0	3	0	0	0	3	2	4	6
33	997	ED-10	विसर्पः	erysipelas /acute spreading eruptions	1	1	0	0	1	1	0	2	0	0	0	2	1	3	4
34	1024	ED-13	श्लीपदः	filariasis	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1
35	1029	ED-14	शीतपित्तम्	urticaria with <i>vata</i> predominance	34	36	2	0	36	36	22	40	4	0	26	40	62	76	138
36	1031	ED-15	उदरदः	urticaria with <i>kapha</i> predominance	1	1	0	0	1	1	0	0	0	0	0	0	1	1	2
37	1033	ED-16	भगन्दरः	fistula-in-ano	3	3	0	0	3	3	2	0	0	0	2	0	5	3	8
38	838	ED-2.2	कण्डूः	pruritis	26	18	0	3	26	21	48	26	1	0	49	26	75	47	122

39	850	ED-2.8	निद्रानाशः / अनिद्रा	loss of sleep (insomnia)	18	12	0	0			22	21	0	0					
									18	12					22	21	40	33	73
40	874	ED-3	कामला	jaundice	4	3	0	0			6	6	0	0					
									4	3					6	6	10	9	19
41	883	ED-4	कुष्ठम्	integumentary disease	369	339	2	1			504	393	9	5					
							6	3	395	352					513	398	908	750	1658
42	905	ED-4.3.10	विचर्चिका	wet eczema	11	5	0	1			5	8	0	0					
									11	6					5	8	16	14	30
43	897	ED-4.3.3	किटिभः	psoriasis	41	19	1	4			71	39	0	1					
									42	23					71	40	113	63	176
44	898	ED-4.3.4	विपादिका	cracks in palms and soles	2	2	0	0			4	3	0	0					
									2	2					4	3	6	5	11
45	900	ED-4.3.6	दद्रु-कुष्ठः	ringworm / tinea	8	8	0	0			3	10	0	0					
									8	8					3	10	11	18	29
46	919	ED-5	श्वित्रः	vitiligo /leucoderma	24	16	2	0			23	21	0	1					
									26	16					23	22	49	38	87
47	944	ED-7	रक्तपित्तम्	bleeding disorder	3	1	0	0	3	1	2	0	0	0	2	0	5	1	6
48	956	ED-8	वातरक्तम्	rheumatism due to रक्त	16	26	0	0			19	21	0	0					
									16	26					19	21	35	47	82
49	972	ED-9	विद्रधिः	abscess	1	0	0	0			0	0	0	0					
									1	0					0	0	1	0	1
50	1064	EE-2	अर्बुदः	tumor	2	1	1	0	3	1	6	1	0	0	6	1	9	2	11
51	1074	EE-3	अर्शः	haemorrhoids	119	57	0	0			159	84	0	0					
									119	57					159	84	278	141	419
52	1095	EE-4	ग्रन्थिः	cyst	18	36	0	0			6	48	0	0					
									18	36					6	48	24	84	108

53	1139	EF-2.4.4	मधुमेहः	diabetes mellitus	113 1	796	3	0	113 4	796	488 4	333 8	3	0	4887	333 8	602 1	4134	1015 5
54	1161	EF-3	मेदोरोगः	obesity	76	121	0	0	76	121	160	273	1	0	161	273	237	394	631
55	1173	EI-2	क्लैब्यम्	male infertility	1	0	0	0	1	0	1	0	0	0	1	0	2	0	2
56	1244	EI-6.8	अन्त-वृद्धिः	hernia	3	0	0	0	3	0	0	0	0	0	0	0	3	0	3
57	1248	EJ-2	अश्मरी	lithiasis/urolithiasis/ne phrolithiasis	37	14	0	0	37	14	58	38	0	0	58	38	95	52	147
58	1258	EJ-3	मूत्राघातः	urinary retention	1	1	0	0	1	1	3	0	0	0	3	0	4	1	5
59	1266	EJ-3.6	वाताष्टीला	prostatic enlargement	3	0	1	0	4	0	12	0	0	0	12	0	16	0	16
60	1278	EJ-4	मूत्रकृच्छ्रम्	dysuria	64	38	2	0	66	38	97	33	0	0	97	33	163	71	234
61	1304	EK-3	श्वयथुः/शोथः /शोफः	oedema/inflammation	23	19	0	0	23	19	29	26	0	0	29	26	52	45	97
62	1337	EK-4.6	यकृदाल्युदरः	hepatomegaly	10	4	0	1	10	5	26	2	0	0	26	2	36	7	43
63	1360	EL-2.10	उदावर्तिनी	dysmennorrhea	0	266	0	2	0	268	0	461	0	1	0	462	0	730	730
64	1374	EL-2.24	वन्ध्या	female infertility	0	9	0	0	0	9	0	12	0	0	0	12	0	21	21
65	1392	EL-4	रक्तप्रदरः/अ सृग्दरः	menorrhagia / metrorrhagia / dysfunctional uterine bleeding (DUB)	0	5	0	0	0	5	0	9	0	0	0	9	0	14	14
66	1398	EL-5	श्वेतप्रदरः	leucorrhoea	1	32	0	0	1	32	0	21	0	0	0	21	1	53	54
67	1521	EM-11	भ्रमः	giddiness / dizziness / vertigo	15	14	1	0	16	14	14	16	0	0	14	16	30	30	60

68	1421		मनोविकार	Manobahasrota vikar	16	8	7	2			25	11	1	2					
									23	10					37	13	60	23	83
69	1457	EM-3	अपस्मारः	epilepsy	6	2	0	1			6	2	3	3					
									6	3					9	5	15	8	23
70	1466	EM-5	मदात्ययः	alcohol abuse	6	1	0	0			31	0	0	0					
									6	1					31	0	37	1	38
71	1522	F	शिरःशूल / शिरोरुक्	headache/cephalgia/cephalalgia	51	133	2	2			36	115	3	4					
									53	135					39	119	92	254	346
72	1530	F-8	अर्धविभेदकः	hemicrania	15	28	0	0			6	16	0	0					
									15	28					6	16	21	44	65
73	1543	FA-3	खलित्यम्	baldness / alopecia totalis	31	63	2	3			20	76	2	0					
									33	66					22	76	55	142	197
74	1548	FA-4	दारुणकः	pytiriasis capitis	17	18	1	1			17	6	0	0					
									18	19					17	6	35	25	60
75	1583	GC	दन्तरोगः	tooth disorders	8	6	2	1			10	3	1	0					
									10	7					11	3	21	10	31
76	1604	GE-1	गलशुण्डिका	uvulitis/elongated uvula	5	7	1	2			8	8	0	0					
									6	9					8	8	14	17	31
77	1616	GF	कण्ठरोगः	throat disorders	0	0	0	0			0	2	0	0					
									0	0					0	2	0	2	2
78	1641	GF-17	गण्डमाला	scrofula	1	1	0	0			0	0	0	0					
									1	1					0	0	1	1	2
79	1643	GF-19	गलगण्डः	goiter	26	79	0	1			100	228	0	0					
									26	80					100	228	126	308	434
80	1649	GG	मुखपाकः	stomatitis	6	7	0	0			5	1	0	0					
									6	7					5	1	11	8	19
81	1662	H	अक्षिरोगः/नेत्ररोगः	ophthalmic diseases/eye diseases	10	11	2	0			3	2	2	0					
									12	11					5	2	17	13	30

82	1761	HG-1	तिमिरः	partial or total blindness/amaurosis/a metropia/partial obstruction of vision	352	282	6	6			251	262	9	9					
									358	288					260	271	618	559	1177
83	1813	I	नासारोगः	nose diseases	11	3	2	0			5	5	1	0					
									13	3					6	5	19	8	27
84	1814	I-1	प्रतिश्यायः /पीनसः	rhinitis	87	74	1	5			119	103	8	7					
									99	79					127	110	226	189	415
85	1853	I-16	नासार्शः	nasal polyp	0	0	0	0			1	0	0	0					
									0	0					1	0	1	0	1
86	1860	J	कर्णरोगः	ear diseases	3	5	0	0			2	0	0	0					
									3	5					2	0	5	5	10
87	1870	J-10	कर्णपाकः	ear furunculosis	0	0	0	0			4	3	0	0					
									0	0					4	3	4	3	7
88	1880	J-14	कर्ण-स्रावः	otorrhoea	1	1	0	0			0	0	0	1					
									1	1					0	1	1	2	3
89	1896	J-19	बाधिर्यम्	deafness	0	1	0	0			0	1	0	0					
									0	1					0	1	0	2	2
90	1897	J-20	कर्णशूलः	earache/otalgia	4	6	0	2			9	10	1	1					
									4	8					10	11	14	19	33
91	1869	J-9	कर्ण-नादः	tinnitus	8	9	6	2			23	25	1	0					
									14	11					24	25	38	36	74
92	1913	K	व्रणः	wounds	21	6	0	0			21	6	41	9	0	0	41	9	62
																		15	77
93	1971	LA	भग्नः (अस्थिभग्नः)	fracture	6	2	0	0			2	0	0	0					
									6	2					2	0	8	2	10
94	2170	MD-11	दौर्बल्यम्	debility	798	777	3	3			610	545	3	32					
									837	808					641	577	147	1385	2863

95	2184	N	कृमि:/सज्जात कृमि	worm infestation	2	1	2	0	4	1	1	1	0	1	1	2	5	3	8
96	2250	O-14	कदर:	corn /callosity	3	4	0	0	3	4	0	7	0	0	0	7	3	11	14
97	2251	O-15	कुनख:	paronychia	1	2	0	0	1	2	0	2	0	0	0	2	1	4	5
98	2280	O-35	युवानपिडका (मुखदूषिका)	pimples	20	42	1	1	21	43	11	22	0	0	11	22	32	65	97
99	2284	O-39	इन्द्रलुप्त:	alopecia	1	2	0	0	1	2	0	0	5	1	5	1	6	3	9
100	2287	O-42	व्यङ्गः	black patches on face / melasma	4	18	0	0	4	18	3	14	0	0	3	14	7	32	39
101	401	BE-1	अतिस्टौलिया	obesity	23	49	0	0	23	49	19	89	0	0	19	89	42	138	180
102	1100	EE-45	सिराजग्रंथी	Vericose vain	83	79	0	0	83	79	130	111	1	0	131	111	214	190	404
103	40	AAB-24	कम्पावत	Parkinsons	21	19	0	0	21	19	56	58	0	0	56	58	77	77	154
			Total-		7289	7508	45	18	7534	7676	12975	12790	182	163	13157	12953	20691	20629	41320

TOTAL NEW PATIENTS: 15210 TOTAL OLD PATIENTS: 26110 GRAND TOTAL: 41320

- Number of patients in Old OPD : **3,190**
- Number of patients in New OPD : **41,320**
- Number of patients in NAL OPD : 644
- Total : 45,093**

8b. Statement of Patients attended NAL OPD during the reporting period for April 2024 to March 2025

SI No	ID	कोडसं. Code No	रोग / Disease	No. of patients attended - NAL OPD												कुलयोग Grand Total		Total
				New						Old								
				वयस्क Adult		बच्चाChild		कुलTotal		वयस्कAdult		बच्चाChild		कुलTotal				
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1.	536	EB-3	Ajirna	1	0	0	0	1	0	1	1	0	0	1	1	2	1	3
2.	823	EC-6	Amavata	1	1	0	0	1	1	1	0	0	0	1	0	2	1	3
3.	823	EC-6	Amlapitta	9	2	0	0	9	2	12	12	1	0	13	12	22	14	36
4.	1530	F-8	Ardhbhedaka	1	0	0	0	1	0	0	6	0	0	0	6	1	6	7
5.	22	AAB-6	Ardita	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1
6.	1074	EE-3	Arsha	1	1	0	0	1	1	12	0	0	0	12	0	13	1	14
7.	1248	EJ-2	Asmari	1	0	0	0	1	0	3	0	0	0	3	0	4	0	4
8.	141	AAC-8	Avavahuka	1	0	0	0	1	0	1	0	0	0	1	0	2	0	2
9.	1278	EJ-4	BPH	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1
10.	1064	EE-2	Ca Tounge	0	1	0	0	0	1	0	1	0	0	0	1	0	2	2
11.	2170	MD-11	Dourvalya	4	3	0	0	4	3	3	3	1	0	5	3	9	6	15
12.	1173	EI-2	Dhwajabhanga	1	0	0	0	1	0	7	0	0	0	7	0	8	0	8
13.	1643	GF-19	Galaganda	2	0	0	0	2	0	1	2	0	0	1	2	3	2	5
14.	1604	GE-1	Galasundhika	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1
15.	601	EB-7	Grahani	1	2	0	0	1	2	2	1	0	0	2	1	3	3	6
16.	157	AAC-20	Gridhrasi	3	2	0	0	3	2	7	1	0	0	7	1	10	3	13
17.	220	AAD-3.1	Hypertension	1	0	0	0	1	0	3	0	0	0	3	0	4	0	4
18.	689	EC-3	Jwara	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1
19.	874	ED-3	Kamala	0	1	0	0	0	1	0	1	0	0	0	1	0	2	2
	1869	J-9	Karna Ksheda	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1
20.	480	EA-3	Kasa	7	3	1	0	8	3	5	10	7	4	12	14	20	17	37
21.	4	AA	Katishula	2	3	0	0	2	3	4	3	0	0	4	3	6	6	12
22.	1543	FA-3	Khalitya	2	4	0	1	2	5	4	9	1	2	5	11	7	16	23
23.	897	ED-4.3.3	Kitibha	1	1	0	0	1	1	3	1	8	0	11	1	12	2	14
24.	1173	EI-2	Klaivya	1	0	0	0	1	0	1	0	0	0	1	0	2	0	2

25.	2184	N	Krimi	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1
26.	883	ED-4	Kustha	1	0	0	0	1	0	0	1	0	0	0	1	1	1	2
27.	1139	EF-2.4.4	Madhumeha	6	4	0	0	6	4	38	6	0	0	38	6	44	10	54
28.	1421	EM	Manodwega	1	2	0	0	1	2	7	0	0	0	7	0	8	2	10
29.	1421	EM	Manovikara	0	0	1	0	1	0	0	0	1	0	1	0	2	0	2
30.	174	AAC-32	Manyashula	0	0	0	0	0	0	3	7	0	0	3	7	3	7	10
31.	1161	EF-3	Medovridhi	2	0	0	0	2	0	4	5	0	0	4	5	6	5	11
32.	1278	EJ-4	Mutravikara	2	1	0	0	2	1	6	1	0	0	6	1	8	2	10
33.	1662	H	Netra Vikara	1	0	1	0	2	0	0	2	0	0	0	2	2	2	4
34.	850	ED-2.8	Nidranasa	0	2	0	0	0	2	2	2	0	0	2	2	2	4	6
	1304	EK-3	Pada Sotha	1	0	0	0	1	0	0	1	0	0	0	1	1	1	2
	285	ABB-24	Padadaha	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1
35.	287	ABB-26	Palitya	0	0	1	0	1	0	0	1	0	1	0	2	1	2	3
36.	812	EC-5	Pandu	0	1	0	0	0	1	0	1	0	0	0	1	0	2	2
37.	676	EB-12	Parikartika	0	1	0	0	0	1	2	0	0	0	2	0	2	1	3
38.	1814	I-1	Pratisyaya	5	12	5	2	10	14	9	10	6	5	15	15	25	29	54
39.	633	EB-10	Pristha Shula	0	0	0	0	0	0	0	2	0	0	0	2	0	2	2
40.	1565	GB	Pyorrhea	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1
41.	1383	EL-3	Rajovikara	0	2	0	1	0	3	0	9	0	1	0	10	0	13	13
42.	248	AAE-16	Sandhivata	13	11	0	0	13	11	30	48	0	0	30	48	43	59	102
43.	1100	EE-4.5	Shiragrnthi	1	2	0	0	1	2	5	10	0	0	5	10	6	12	18
44.	1522	F	Shirashula	1	0	0	0	1	0	3	1	0	0	3	1	4	1	5
45.	1304	EK-3	Sotha	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1
46.	840	ED-4	Sthoulya	0	0	0	0	0	0	0	5	0	0	0	5	0	5	5
47.	489	EA-4	Swasa	1	1	0	1	1	2	7	2	7	0	14	2	15	4	19
48.	1398	EL-5	Swetapradara	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1
49.	919	ED-5	Switra	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1
50.	883	ED-4	Twakvikara	3	6	1	0	4	6	10	12	0	1	9	13	13	19	32
51.	4	AA	Vatavyadhi	3	6	0	0	3	6	13	11	0	0	13	11	16	17	33
52.	2983	AAC-12.4	Vivandha	3	0	0	0	3	0	7	3	0	0	7	3	10	3	13

53.	2287	O-42	Vyanga	1	1	0	0	1	1	0	2	0	0	0	2	1	3	4
54.	1337	EK-4.6	Yakrit Vikara	1	0	0	0	1	0	1	0	0	0	1	0	2	0	2
			TOTAL	89	77	11	5	100	82	220	196	32	14	252	210	352	292	644

TOTAL NEW PATIENTS: 182 TOTAL OLD PATIENTS: 462 GRAND TOTAL:644

Statement of Patients attended OPD during the reporting period with National Ayurveda Morbidity Codes (NAMC) April 2024 to March 2025

Period /अवधि Reporting Period April 2023 - March 2024	New cases				Total		Old cases				Total		G. Total		Grand Total (M+F)
	M पु	F स्त्री	MC पु ब	FC कन्या	M पु	F स्त्री	M पु	F स्त्री	MC पु ब	FC कन्या	M पु	F स्त्री	M पु	F स्त्री	
Old OPD	710	445	13	12	723	457	1207	722	4	16	1211	738	1934	1195	3129
New OPD	7289	7508	245	168	7534	7676	1297 5	12790	182	163	13157	12953	20691	20629	41320
NAL OPD	89	77	11	5	100	82	220	196	32	14	252	210	352	292	644
Total	8088	8030	269	185	8357	8215	1440 2	13708	218	193	14620	13901	22977	22116	45093

**8.1 Srotas wise No. of patients attended at Old OPD of this Institute for the reporting period
April 2024-March 2025**

Sl No .	Disease / रोग	IPD	-- OPD --- No. of Patients						
			New / नया		Old / पुराना		Total / कुल		G.Total
			M पु	F स्त्री	M पु	F स्त्री	M पु	F स्त्री	
1	Prana vaha srotasa roga (Respiratory diseases)	N.A	69	43	81	36	150	79	229
2	Anna vaha srotasa roga (Gastro intestinal diseases)	N.A	84	49	111	41	195	90	285
3	Rasa vaha srotasa roga (Lymphatic diseases)	N.A	115	66	483	281	598	347	945
4	Rakta vaha srotasa roga (Cardio vascular diseases)	N.A	2	1	3	1	5	2	7
5	Mansa vaha srotasa roga (Musculoskeletal/Skin diseases)	N.A	132	72	153	88	285	160	445
6	Medo Vaha srotasa roga (Lipid disorders)	N.A	2	1	1	1	3	2	5
7	Asthi/Majja vaha srotasa roga (Bone/Joint diseases)	N.A	193	141	237	211	430	352	782
8	Shukra vaha srotas roga (Male reproductive tract diseases)	N.A	2	0	1	0	3	0	3
9	Mutra vaha srotasa roga (Urinary diseases)	N.A	13	5	12	5	25	10	35
10	Purisha vaha srotasa roga (Excretary/Anorectal diseases)	N.A	31	19	39	15	70	34	104
11	Artava vaha srotasa roga (Gynecological diseases)	N.A	0	13	0	22	0	35	35
12	Vata vikara/Manasa roga (Neurological/Psychological diseases)	N.A	34	16	42	9	76	25	101
13	Urdhva jatrugata roga Eye/ ENT diseases	N.A	46	31	48	28	94	59	153
	Total / कुल		723	457	1211	738	1934	1195	3129

8.2 Srotas wise No. of patients attended at New OPD of this Institute for the reporting period April 2024-March 2025

Sl No.	Disease/ रोग	IPD	-- OPD --- No. of Patients						
			New / नया		Old/ पुराना		Total/ कुल		G.Total
			M पु	Fस्त्री	M पु	F स्त्री	M पु	Fस्त्री	
1	Prana vaha srotasa roga (Respiratory diseases)	N.A	415	294	509	378	924	672	1596
2	Anna vaha srotasa roga (Gastro intestinal diseases)	N.A	595	426	669	505	1264	931	2195
3	Rasa vaha srotasa roga (Lymphatic diseases)	N.A	2098	1696	5665	4005	7763	5701	13464
4	Rakta vaha srotasa roga (Cardio vascular diseases)	N.A	67	92	140	120	207	212	419
5	Mamsa vaha srotasa roga (Musculoskeletal/Skin diseases)	N.A	1192	1295	1591	1888	2783	3183	5966
6	Medo Vaha srotasa roga (Lipid disorders)	N.A	99	170	180	362	279	532	811
7	Asthi/Majja vaha srotasa roga (Bone/Joint diseases)	N.A	1910	2358	3100	4045	5010	6403	11413
8	Shukra vaha srotas roga (Male reproductive tract diseases)	N.A	1	0	1	0	2	0	2
9	Mutra vaha srotasa roga (Urinary diseases)	N.A	108	53	170	71	278	124	402
10	Purisha vaha srotasa roga (Excretary/Anorectal diseases)	N.A	140	77	167	89	307	166	473
11	Artava vaha srotasa roga (Gynecological diseases)	N.A	1	315	0	504	1	819	820
12	Vata vikara/Manasa roga (Neurological/Psychological diseases)	N.A	260	221	407	323	667	544	1211
13	Urdhva jatrugata roga Eye/ ENT diseases	N.A	648	679	558	663	1206	1342	2548
	Total / कुल		7534	7676	13157	12953	20691	20629	41320

**9.1. Statement of patients attended Geriatric O.P.D (Old OPD) during reporting period
April 2024 – March 2025**

S. No	NAM C ID	NAMC Code	NAMC_Name	New patients		Follow up patients		Total		Grand Total
				M	F	M	F	M	F	(M + F)
2	2983	AAC-12.4	विबन्ध	12	2	45	15	57	17	74
6	157	AAC-20	गृध्रसी	2	0	5	0	7	0	7
7	163	AAC-24	पक्षाघातः/पक्षवधः	2	0	8	0	10	0	10
17	141	AAC-8	अवबाहुकः	9	6	9	4	18	10	28
19	248	AAE-16	सन्धिवातः	94	59	140	112	234	171	405
28	480	EA-3	कासः	16	6	31	7	47	13	60
29	489	EA-4	श्वासः	3	3	3	1	6	4	10
32	633	EB-10	शूलः	3	1	2	0	5	1	6
39	515	EB-2	अतिसारः	0	1	0	1	0	2	2
45	558	EB-4	अम्लपित्तम्	18	8	20	5	38	13	51
49	628	EB-9	प्रवाहिका	1	0	7	0	8	0	8
51	689	EC-3	ज्वरः	2	1	3	0	5	1	6
55	823	EC-6	आमवातः	0	1	1	4	1	5	6
61	1029	ED-14	शीतपित्तम्	11	3	18	3	29	6	35
65	850	ED-2.8	निद्रानाशः / अनिद्रा	2	0	1	0	3	0	3
67	883	ED-4	कुष्ठम्	3	0	3	2	6	2	8
68	905	ED-4.3.10	विचर्चिका	8	2	20	5	28	7	35
69	897	ED-4.3.3	किटिभः	12	4	13	6	25	10	35
70	898	ED-4.3.4	विपादिका	0	0	1	0	1	0	1

73	919	ED-5	श्वित्रः	1	0	0	0	1	0	1
80	1074	EE-3	अर्शः	12	2	18	4	30	6	36
81	1095	EE-4	ग्रन्थिः	4	0	13	0	17	0	17
82	1139	EF-2.4.4	मधुमेहः	44	19	303	111	347	130	477
83	1161	EF-3	मेदोरोगः	2	0	0	0	2	0	2
86	1244	EI-6.8	अन्त-वृद्धिः	1	0	5	0	6	0	6
89	1258	EJ-3	मूत्राघातः	3	1	4	3	7	4	11
91	1278	EJ-4	मूत्रकृच्छ्रम्	6	1	5	2	11	3	14
92	1291	EK-2	तृष्णा	0	0	0	0	0	0	0
93	1304	EK-3	श्वयथुः/शोथः/शो फः	0	1	0	0	0	1	1
113	1521	EM-11	भ्रमः	2	2	0	2	2	4	6
114	1421	EM	मनोवहस्रोतोविका रः	2	0	1	0	3	0	3
117	1466	EM-5	मदात्ययः	2	0	1	0	3	0	3
120	1522	F	शिरःशूल / शिरोरुक्	2	1	1	1	3	2	5
123	1530	F-8	अर्धावभेदकः	0	1	0	0	0	1	1
137	1643	GF-19	गलगण्डः	1	0	0	0	1	0	1
139	1662	H	अक्षिरोगः/नेत्ररोगः	2	0	0	0	2	0	2
154	1814	I-1	प्रतिश्यायः /पीनसः	9	0	12	3	21	3	24
158	1860	J	कर्णरोगः	0	2	0	0	0	2	2
164	1913	K	व्रणः	2	0	0	0	2	0	2
171	2170	MD-11	दौर्बल्यम्	11	2	35	13	46	15	61
				304	129	728	304	103 2	433	1465

Total New Patients: 433; Total Old Patients: 1032; Grand Total: 1465

**9.1a. Statement of patients attended Geriatric O.P.D (New OPD) during reporting period
April 2024 – March 2025**

S. No.	NAMC ID	NAMC Code	NAMC_Name	New patients		Follow up patients		Total		Grand Total
				M	F	M	F	M	F	(M + F)
1	147	AAC-12	आध्मानम्/ आनाहः	4	0	5	0	9	0	9
2	2983	AAC-12.4	विबन्ध	23	10	22	7	45	17	62
3	152	AAC-15	एकाङ्गवातः	6	7	11	5	17	12	29
4	157	AAC-20	गृध्रसी	1	0	3	0	4	0	4
5	163	AAC-24	पक्षाघातः/पक्षवधः	0	0	1	0	1	0	1
6	166	AAC-24.2	बाल-पक्षाघातः	70	54	124	98	194	152	346
7	174	AAC-32	मन्यास्तम्भः	10	5	35	1	45	6	51
8	177	AAC-35	विश्वाची	33	30	120	57	153	87	240
9	141	AAC-8	अवबाहुकः	2	0	2	0	4	0	4
10	248	AAE-16	सन्धिवातः	2	5	7	5	9	10	19
11	285	ABB-24	दाहः	4	0	3	0	7	0	7
12	348	ACB-23	अग्निमान्द्यम्	3	0	5	5	8	5	13
13	480	EA-3	कासः	3	1	2	1	5	2	7
14	489	EA-4	श्वासः	3	3	7	7	10	10	20
15	500	EA-5	स्वरभेदः	0	0	1	0	1	0	1
16	633	EB-10	शूलः	0	0	2	0	2	0	2

17	643	EB-10.10	परिणामशूलः	23	17	20	7	43	24	67
18	676	EB-12	परिकर्तिका	1	0	0	0	1	0	1
19	515	EB-2	अतिसारः	366	363	1242	955	1608	1318	2926
20	536	EB-3	अजीर्णम्	3	1	1	0	4	1	5
21	558	EB-4	अम्लपित्तम्	13	9	12	8	25	17	42
22	601	EB-7	ग्रहणीदोषः	4	2	7	4	11	6	17
23	628	EB-9	प्रवाहिका	1	3	2	4	3	7	10
24	681	EC-2	हृद्रोगः	0	0	0	2	0	2	2
25	689	EC-3	ज्वरः	0	1	0	0	0	1	1
26	812	EC-5	पाण्डुरोगः	0	0	0	1	0	1	1
27	823	EC-6	आमवातः	0	0	3	0	3	0	3
28	828	EC-7	अरुचिः	45	27	79	38	124	65	189
29	997	ED-10	विसर्पः	34	14	67	17	101	31	132
30	1029	ED-14	शीतपित्तम्	3	1	2	3	5	4	9
31	838	ED-2.2	कण्डूः	38	17	91	38	129	55	184
32	850	ED-2.8	निद्रानाशः / अनिद्रा	12	8	17	20	29	28	57
33	874	ED-3	कामला	0	0	3	0	3	0	3
34	883	ED-4	कुष्ठम्	1	0	1	0	2	0	2
35	905	ED-4.3.10	विचर्चिका	0	0	1	0	1	0	1
36	897	ED-4.3.3	किटिभः	0	1	0	0	0	1	1
37	898	ED-4.3.4	विपादिका	0	1	3	0	3	1	4
38	900	ED-4.3.6	दद्रु-कुष्ठः	3	1	2	2	5	3	8
39	919	ED-5	श्वित्रः	4	5	3	6	7	11	18

40	944	ED-7	रक्तपित्तम्	0	0	0	1	0	1	1
41	956	ED-8	वातरक्तम्	24	20	9	12	33	32	65
42	972	ED-9	विद्रधिः	2	0	1	1	3	1	4
43	1064	EE-2	अर्बुदः	1	4	3	1	4	5	9
44	1074	EE-3	अर्शः	0	0	2	2	2	2	4
45	1095	EE-4	ग्रन्थिः	47	25	127	70	174	95	269
46	1139	EF-2.4.4	मधुमेहः	7	4	8	5	15	9	24
47	1161	EF-3	मेदोरोगः	3	1	2	0	5	1	6
48	1244	EI-6.8	अन्त-वृद्धिः	9	0	4	0	13	0	13
49	1248	EJ-2	अश्मरी	0	0	1	0	1	0	1
50	1258	EJ-3	मूत्राघातः	3	1	7	4	10	5	15
51	1266	EJ-3.6	वाताष्टीला	9	14	13	36	22	50	72
52	1278	EJ-4	मूत्रकृच्छ्रम्	1	0	0	0	1	0	1
53	1304	EK-3	श्वयथुः/शोथः/शोफः	0	2	1	1	1	3	4
54	1337	EK-4.6	यकृद्दाल्युदरः	0	0	1	0	1	0	1
55	1419	EL-9	सूतिकारोगः	2	1	2	0	4	1	5
56	1521	EM-11	भ्रमः	2	0	6	0	8	0	8
57	1421		मनोविकार	8	7	15	8	23	15	38
58	1457	EM-3	अपस्मारः	6	1	9	11	15	12	27
59	1522	F	शिरःशूल / शिरोरुक्	0	1	0	0	0	1	1
60	1530	F-8	अर्धावभेदकः	51	33	132	36	183	69	252
61	1543	FA-3	खलित्यम्	3	0	0	1	3	1	4
62	1548	FA-4	दारुणकः	6	2	23	1	29	3	32
63	1583	GC	दन्तरोगः	1	0	2	0	3	0	3
64	1604	GE-1	गलशुण्डिका	1	0	3	0	4	0	4

65	1616	GF	कण्ठरोगः	0	1	2	10	2	11	13
66	1641	GF-17	गण्डमाला	3	3	7	11	10	14	24
67	1643	GF-19	गलगण्डः	3	0	0	0	3	0	3
68	1649	GG	मुखपाकः	8	5	23	11	31	16	47
69	1662	H	अक्षिरोगः/नेत्ररोगः	4	7	22	14	26	21	47
70	1761	HG-1	तिमिरः	296	179	1208	640	1504	819	2323
71	1813	I	नासारोगः	16	6	38	27	54	33	87
72	1814	I-1	प्रतिश्यायः /पीनसः	1	0	0	0	1	0	1
73	1860	J	कर्णरोगः	4	1	2	0	6	1	7
74	1897	J-20	कर्णशूलः	1	0	0	0	1	0	1
75	1869	J-9	कर्ण-नादः	2	1	4	0	6	1	7
76	1913	K	व्रणः	1	0	3	0	4	0	4
77	2170	MD-11	दौर्बल्यम्	8	0	31	0	39	0	39
78	2184	N	कृमिः/सञ्जातकृमि	7	8	7	22	14	30	44
79	2250	O-14	कदरः	2	2	5	1	7	3	10
80	2284	O-39	इन्द्रलुप्तः	0	3	0	5	0	8	8
81	2287	O-42	व्यङ्गः	1	2	1	2	2	4	6
82	401	BE-1	अतिस्टौलिया	2	1	2	1	4	2	6
83	1100	EE-45	सिराजग्रंथी	1	0	0	0	1	0	1
84	40	AAB-24	कम्पावत	8	11	7	13	15	24	39
			Total-	1606	1162	4039	2462	5645	3624	9269

Total New Patients: 2768; Total Old Patients: 6501; Grand Total: 9269

Statement of Patients attended Geriatric OPD during the reporting period from April 2024 to March 2025

Sr. No	OPD	New patients		Follow up patients		Total		Grand Total
		M	F	M	F	M	F	(M + F)
1.	New OPD	1606	1162	4039	2462	5645	3624	9269
2.	Old OPD	304	129	728	304	1032	433	1465
3.	Total	2018	1374	5631	3237	7649	4611	12260

9.2. Statement of patients of flu like illnesses attended at OPD during April 2024 - March 2025

Period अवधि	New Cases				Total		Old Cases				Total		Grand Total	
	M पु	F स्त्री	MC पुब	FC कन्या	M पु	F स्त्री	M पु	F स्त्री	MC पुब	FC कन्या	M पु	F स्त्री	M पु	F स्त्री
New OPD (April 2024 - March 2025)	87	74	12	5	99	79	119	103	8	7	127	110	226	189
Old OPD (April 2024 -March 2025)	17	11	0	0	17	11	15	9	0	0	15	9	32	20
Total (April 2024 - March 2025)	104	85	12	5	116	90	134	112	8	7	142	119	258	209

Total New Patients: 206 Total Old Patients: 261 Grand Total: 467

Special attention is given to the patients with high fever, cough, cold, upper respiratory tract infection and created awareness about Coronavirus and distributed medicines for boosting immunity in OPD and displayed the material on the notice board provided by the Council.

9.3. Statement of patients of Eye OPD during 2024-25

S. No.	NA MC ID	NA MC Cod e	NAMC_N ame	Short definition	No. of patients treated														Gra nd Tot al (M+ F)
					New						Follow up						Total		
					Adult		Child		Total		Adult		Child		Total				
					M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1.	1522	F	शिरःशूल / शिरोरुक्	headache/ceph algia/cephalalgia	51	133	2	2	53	135	36	115	3	4	39	119	92	254	346
2.	1530	F-8	अर्धविभेदकः	hemicrania	15	28	0	0	15	28	6	16	0	0	6	16	21	44	65
3.	1543	FA-3	खलित्यम्	baldness / alopecia totalis	31	63	2	3	33	66	20	76	2	0	22	76	55	142	197
4.	1548	FA-4	दारुणकः	pytiriasiscapitis	17	18	1	1	18	19	17	6	0	0	17	6	35	25	60
5.	1583	GC	दन्तरोगः	tooth disorders	8	6	2	1	10	7	10	3	1	0	11	3	21	10	31
6.	1604	GE-1	गलशुण्डिका	uvulitis/elongat ed uvula	5	7	1	2	6	9	8	8	0	0	8	8	14	17	31
7.	1616	GF	कण्ठरोगः	throat disorders	0	0	0	0	0	0	0	2	0	0	0	2	0	2	2
8.	1641	GF-17	गण्डमाला	scrofula	1	1	0	0	1	1	0	0	0	0	0	0	1	1	2
9.	1643	GF-19	गलगण्डः	goiter	26	79	0	1	26	80	100	228	0	0	100	228	126	308	434
10.	1649	GG	मुखपाकः	stomatitis	6	7	0	0	6	7	5	1	0	0	5	1	11	8	19
11.	1662	H	अक्षिरोगः/ने त्ररोगः	ophthalmic diseases/ eye diseases	10	11	2	0	12	11	3	2	2	0	5	2	17	13	30

12.	1761	HG-1	तिमिरः	partial or total blindness/amau rosis/ametropia /partial obstruction of vision	352	282	6	6	358	288	251	262	9	9	260	271	618	559	1177
13.	1813	I	नासारोगः	nose diseases	11	3	2	0	13	3	5	5	1	0	6	5	19	8	27
14.	1814	I-1	प्रतिश्यायः /पीनसः	rhinitis	87	74	12	5	99	79	119	103	8	7	127	110	226	189	415
15.	1853	I-16	नासार्शः	nasal polyp	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1
16.	1860	J	कर्णरोगः	ear diseases	3	5	0	0	3	5	2	0	0	0	2	0	5	5	10
17.	1870	J-10	कर्णपाकः	ear furunculosis	0	0	0	0	0	0	4	3	0	0	4	3	4	3	7
18.	1880	J-14	कर्ण-स्रावः	otorrhoea	1	1	0	0	1	1	0	0	0	1	0	1	1	2	3
19.	1896	J-19	बाधिर्यम्	deafness	0	1	0	0	0	1	0	1	0	0	0	1	0	2	2
20.	1897	J-20	कर्णशूलः	earache/otalgia	4	6	0	2	4	8	9	10	1	1	10	11	14	19	33
21.	1869	J-9	कर्ण-नादः	tinnitus	8	9	6	2	14	11	23	25	1	0	24	25	38	36	74
22.	2280	O-35	युवानपिडका (मुखदूषिका)	pimples	20	42	1	1	21	43	11	22	0	0	11	22	32	65	97
23.	2284	O-39	इन्द्रलुप्तः	alopecia	1	2	0	0	1	2	0	0	5	1	5	1	6	3	9

24.	2287	O-42	व्यङ्गः	black patches on face / melasma	4	18	0	0	4	18	3	14	0	0	3	14	7	32	39
				Total-	671	796	37	26	698	822	633	902	33	23	666	925	1364	1747	3111

TOTAL NEW PATIENTS: 1520 TOTAL OLD PATIENTS:1591 GRAND TOTAL: 3111

Patients attended at Ayurveda De-addiction OPD, TulasiThota, Balepete, Bangalore De-addiction during April 2024 - Oct 2024

ID	कोडसं. Code No	रोग / Disease	No. of patients attended - OPD					
			New		Old		कुलयोग Grand total	
			Male	Female	Male	Female	Male	Female
11146	F10.2	Alcohol dependence, unspecified	2	0	3	0	5	0
11147	F17.2	Nicotine dependence, unspecified	0	0	0	0	0	0
2410	F19	Multiple specified psychoactive substances dependence	1	0	2	0	3	0
		Total	3	0	5	0	8	0

9.4. Statement of Panchakarma Procedure Performed from April 2024 to March 2025

Sr. No.	Procedure	Male	Female	Total
1.	Abhyanga	3546	3637	7183
2.	Swedana	2232	2288	4520
3.	Shali Shashtika Pinda Swedan (SSPS)	158	56	214
4.	Patra Pinda Swedan (PPS)	1220	1561	2781
6.	Churna Pinda Sweda (CPS)	10	8	18
8.	IstikaSwedan	8	43	51
9.	ValukaSwedana	8	143	151
10.	Kaayaseka	0	3	3
11.	Upanaha	0	22	22
12.	Vamana	6	2	8
14.	Niruhavasti	187	168	355
15.	Anuvasanavasti	275	273	548
16.	Matravasti	274	150	424
17.	Kativasti	734	794	1528
18.	Greevavasti	153	167	320
19.	Jaanuvasti	452	990	1442
20.	Udwarthana	109	246	355
21.	Nasya	132	254	386
22.	Shirodhara	126	91	217
23.	Bidalaka	73	89	162
24.	Netra Seka	145	170	315
25.	Netratarpana	72	55	127
26.	Thalam	0	20	20
27.	Shiro Pichu	0	5	5
28.	Anna lepana	0	9	9
29.	Netra Pindi	0	14	14
30.	Karnapurna	13	15	28
31.	Kaya Seka	3	7	10
32.	takradhara	0	0	0
33.	Vaitharna vasti	29	211	240
34.	lepana	31	40	71
35.	Ksheera vasti	30	48	78
36.	Dhanyamalla dhara	7	5	12
37.	Leech Therapy	4	3	7
38.	Takra vasti	0	7	7
39.	Pristavasti	7	0	7
40.	Shiroabhyanga	20	5	25
41.	Agnikarma	0	5	5
42.	Ksheeradhara	0	5	5
43.	Kashaya dhara	6	0	6
44.	Shiro pichu	0	8	8
	TOTAL	10070	11617	21687

9.6. Statement of Panchakarma procedures performed during different years since 2020-21

Sr. No.	Name of Procedure	20-21	21-22	22-23	23-24	24-25	Total (up to 2024-25)
1.	Abhyanga	521	985	2079	3819	14587	14587
2.	Swedana	287	636	1516	2051	9010	9010
3.	Shali Shashtika Pinda Swedan (SSPS)	14	43	126	125	522	522
4.	Patra Pinda Swedan (PPS)	264	331	510	1191	5077	5077
5.	Jambir Pinda Sweda (JPS)	6	7	13	21	47	47
6.	Churna Pinda Sweda (CPS)	3	35	104	51	211	211
7.	Kukkutanda Pinda Sweda (KPS)	12	20	20	12	64	64
8.	Istika Swedan	0	7	2	84	144	144
9.	Valuka Swedana	0	0	0	0	151	151
10.	Kaayaseka	0	7	6	0	16	16
11.	Mamsa Upanaha	7	0	12	25	66	66
12.	Vamana	0	0	0	0	8	8
13.	Virechana	0	0	0	0	0	0
14.	Niruhavasti	3	3	5	65	431	431
15.	Anuvasanavasti	5	6	6	48	613	613
16.	Matravasti	13	18	103	84	642	642
17.	Kativasti	235	312	652	963	3690	3690
18.	Greevavasti	63	73	161	255	872	872
19.	Jaanuvasti	91	151	309	556	2549	2549
20.	Udvaartana	26	96	270	333	1080	1080
21.	Nasya	28	38	30	177	659	659
22.	Shirodhara	73	49	119	203	661	661
23.	Bidalaka	0	17	17	57	253	253
24.	Netra Seka	0	38	37	103	493	493
25.	Netratarpana	0	5	29	56	217	217
26.	Netrabasti	0	0	0	0	0	0
27.	Mukhalepana	3	0	0	0	3	3
28.	Shirovasti	0	0	16	0	16	16
29.	Thalam	0	0	0	0	20	20

30.	Parisheka	0	0	20	0	20	20
31.	Shiro Pichu	0	0	0	4	17	17
32.	Anna lepana	0	0	0	10	19	19
33.	Pindi	0	0	0	38	52	52
34.	Karnapurna	0	0	0	24	52	52
35.	Kaya Seka	0	0	0	4	14	14
36.	Takradhara	0	0	0	11	11	11
37.	Lepana	0	0	0	7	78	78
38.	Vaitarnavasti	0	0	0	10	250	250
39.	Kashayadhara	0	0	0	5	11	11
40.	Ksheera vasti	0	0	0	0	78	78
41.	Dhanyamlla dhara	0	0	0	0	12	12
42.	Leech therapy	0	0	0	0	7	7
43.	Takra vasti	0	0	0	0	7	7
44.	Pristavasti	0	0	0	0	7	7
45.	Shiroabhyanga	0	0	0	0	25	25
46.	Agnikarma	0	0	0	0	5	5
47.	Ksheera dhara	0	0	0	0	5	5
Total		1654	2877	6162	10392	21687	42772

Statement of Parasurgical Procedures performed in Minor OT during FY 24-25

Sr. No.	Name of Procedures	Male	Female	Total
1.	Vrana Karma (Wound Cleaning & Dressings)	89	46	135
2.	Agnikarma (Therapeutic Cauterization)	16	30	46
3.	Ksharakarma (Chemical Cauterization)	0	0	0
4.	Siravedha (Blood Letting)	16	4	20
5.	Jalaukavacharana (Leech Therapy)	10	0	10
6.	Matrabasti (Anal Oil Infiltration)	7	4	11
7.	Lekhana Karma (Scrapping)	6	1	7
	Grand Total	144	85	229

8.7. Statement of Investigations Performed at Clinical Laboratory from April 2024 to March 2025
Investigation Report (IPD):

Table showing No. of investigations done

S.No.	Investigations	Male	Female	Grand Total
1	Pathological Investigations	1518	1362	2880
2	Biochemical Investigations	3095	2856	5951
3	Radiological Investigations	33	17	50
4	Other Investigations viz ECG, Ultrasound, Endoscopies etc.	73	56	129
Total		4719	4291	9010

S.No.	Type of Investigation	Male	Female	Total
1	Hb%	151	142	293
2	T.L.C	148	133	281
3	D.L.C	148	133	281
4	E.S.R	89	90	179
5	R.B.C	148	133	281
6	P.C.V	148	133	281
7	PLT	148	133	281
8	MP	0	1	1
9	AEC	13	9	22
10	B.T./C.T	2	4	6
11	R.A. Factor	0	0	0
12	CRP	0	0	0
13	VDRL	0	0	0
14	Urine Routine/Microscopy	72	48	120
15	Stool Routine/Microscopy	0	0	0
16	Semen Analysis	0	0	0
17	Sputum for AFB	0	0	0
18	HIV I&2	5	3	8
19	HBsAg	18	8	26
20	HCV	0	0	0
21	(Chikanguniya) IgM	0	0	0
22	Blood Sugar	281	238	519
23	Total Cholesterol	124	101	225
24	Serum Triglyceride	121	101	222
25	H.D.L. Cholesterol	121	101	222

26	L.D.L. Cholesterol	121	101	222
27	V.L.D.L. Cholesterol	121	101	222
28	Serum Bilirubin	123	109	232
29	Direct Bilirubin	Included	Included	Included
30	Indirect Bilirubin	Included	Included	Included
31	Blood Urea	101	87	188
32	Serum Creatinine	111	96	207
33	Serum Uric Acid	79	78	157
34	S.G.O.T	124	109	233
35	S.G.P.T	124	109	233
36	Alkaline Phosphatase	123	109	232
37	Calcium	28	26	54
38	S. Protein	130	114	244
39	S. Albumin	130	114	244
40	S. Globulin	123	109	232
41	C/H	0	0	0
42	A/G Ratio	123	109	232
43	HbA1C	147	128	275
44	RA Qualitative	28	56	84
45	CRP Qualitative	42	60	102
46	Any other (specify)	1098	1092	2190
Total		4613	4218	8831

INVESTIGATION REPORT (Geriatric IPD)

Table showing No. of investigations done

S.No.	Investigations	Male	Female	Grand Total
1	Pathological Investigations	430	398	828
2	Biochemical Investigations	916	935	1851
3	Radiological Investigations	10	12	22
4	Other Investigations viz <u>ECG</u> , <u>Ultrasound</u> , Endoscopies etc.	47	31	78
Total		1403	1376	2779

S.No.	Type of Investigation	Male	Female	Total
1	Hb%	42	39	82
2	T.L.C	41	38	80
3	D.L.C	41	38	80
4	E.S.R	25	26	50
5	R.B.C	41	38	80

6	P.C.V	41	38	80
7	PLT	41	38	80
8	MP	0	0	0
9	AEC	4	1	4
10	B.T./C.T	0	2	2
11	R.A. Factor	0	0	0
12	CRP	0	0	0
13	VDRL	0	0	0
14	Urine Routine/Microscopy	30	18	48
15	Stool Routine/Microscopy	0	0	0
16	Semen Analysis	0	0	0
17	Sputum for AFB	0	0	0
18	NSI	0	0	0
19	IGM	0	0	0
20	IGG	0	0	0
21	(Chikanguniya) IGM	0	0	0
22	Blood Sugar	88	76	165
23	Total Cholesterol	37	36	75
24	Serum Triglyceride	36	36	74
25	H.D.L. Cholesterol	36	36	74
26	L.D.L. Cholesterol	36	36	74
27	V.L.D.L. Cholesterol	36	36	74
28	Serum Bilirubin	37	30	69
29	Direct Bilirubin	Included	Included	Included
30	Indirect Bilirubin	Included	Included	Included
31	Blood Urea	32	23	58
32	Serum Creatinine	34	27	63
33	Serum Uric Acid	24	20	46
34	S.G.O.T	37	30	69
35	S.G.P.T	37	30	69
36	Alkaline Phosphatase	37	30	69
37	Calcium	11	6	17
38	S. Protein	38	34	74
39	S. Albumin	38	34	74
40	S. Globulin	37	30	69
41	C/H	0	0	0
42	AG Ratio	37	30	69
43	HbA1C	46	43	92
44	RA Qualitative	6	14	21

45	CRP Qualitative	9	13	24
46	Any other (specify)	311	349	654
Total		1346	1275	2659

Investigation Report (OPD)
Table showing No. of investigations done

S.No.	Investigations	Male	Female	Grand Total
1	Pathological Investigations	16274	20012	36286
2	Biochemical Investigations	36267	39230	75497
3	Radiological Investigations	139	97	236
4	Other Investigations viz ECG, Ultrasound, Endoscopies etc.	473	582	1055
Total		53153	59921	113074

9.

S.No.	Type of Investigation	Male	Female	Total
1	Hb%	1837	2355	4192
2	T.L.C	1480	1864	3344
3	D.L.C	1480	1862	3342
4	E.S.R	1084	1403	2487
5	R.B.C	1467	1844	3311
6	P.C.V	1467	1844	3311
7	PLT	1467	1846	3313
8	MP	31	27	58
9	AEC	194	255	449
10	B.T./C.T	54	72	126
11	R.A. Factor	0	0	0
12	CRP	0	0	0
13	VDRL	1	1	2
14	Urine Routine/Microscopy	1062	816	1878
15	Stool Routine/Microscopy	0	0	0
16	Semen Analysis	0	0	0
17	Sputum for AFB	0	0	0
18	HIV I&2	32	21	53
19	HBsAg	42	15	57
20	HCV	32	21	53
21	(Chikanguniya) IgM	0	0	0
22	Blood Sugar	4236	4002	8238
23	Total Cholesterol	1390	1451	2841

24	Serum Triglyceride	1394	1450	2844
25	H.D.L. Cholesterol	1390	1450	2840
26	L.D.L. Cholesterol	1390	1450	2840
27	V.L.D.L. Cholesterol	1390	1449	2839
28	Serum Bilirubin	1233	1160	2393
29	Direct Bilirubin	Included	Included	Included
30	Indirect Bilirubin	Included	Included	Included
31	Blood Urea	1180	1115	2295
32	Serum Creatinine	1258	1174	2432
33	Serum Uric Acid	1022	1020	2042
34	S.G.O.T	1233	1163	2396
35	S.G.P.T	1233	1163	2396
36	Alkaline Phosphatase	1233	1161	2394
37	Calcium	307	387	694
38	S. Protein	1379	1306	2685
39	S. Albumin	1379	1308	2687
40	S. Globulin	1233	1158	2391
42	A/G Ratio	1233	1158	2391
43	HbA1C	2610	2447	5057
44	RA Qualitative	252	446	698
45	CRP Qualitative	396	569	965
46	Any other (specify)	12440	17009	29449
Total		52541	59242	111783

10. Table showing No. of Investigation Report (Geriatric OPD)

S.No.	Investigations	Male	Female	Grand Total
1	Pathological Investigations	2978	1882	4860
2	Biochemical Investigations	6355	3561	9916
3	Radiological Investigations	43	45	88
4	Other Investigations viz ECG, Ultrasound, Endoscopies etc.	171	65	236
Total		9547	5553	15100

S.No.	Type of Investigation	Male	Female	Total
1	Hb%	283	195	478
2	T.L.C	270	168	438
3	D.L.C	270	168	438
4	E.S.R	167	112	279
5	R.B.C	270	168	438
6	P.C.V	270	168	438

7	PLT	270	168	438
8	MP	2	0	2
9	AEC	24	19	43
10	B.T./C.T	2	8	10
14	Urine Routine/Microscopy	174	85	259
22	Blood Sugar	512	343	855
23	Total Cholesterol	276	153	429
24	Serum Triglyceride	276	152	428
25	H.D.L. Cholesterol	276	152	428
26	L.D.L. Cholesterol	276	152	428
27	V.L.D.L. Cholesterol	276	152	428
28	Serum Bilirubin	240	105	345
29	Direct Bilirubin	Included	Included	Included
30	Indirect Bilirubin	Included	Included	Included
31	Blood Urea	238	118	356
32	Serum Creatinine	253	127	380
33	Serum Uric Acid	191	98	289
34	S.G.O.T	240	105	345
35	S.G.P.T	240	105	345
36	Alkaline Phosphatase	240	105	345
37	Calcium	51	35	86
38	S. Protein	256	117	373
39	S. Albumin	256	117	373
40	S. Globulin	240	105	345
42	AG Ratio	240	105	345
43	HbA1C	297	188	485
44	RA Qualitative	44	44	88
45	CRP Qualitative	73	48	121
46	Any other (specify)	2340	1558	3898
Total		9333	5443	14776

b). Inpatient Department: *In patient Section started functioning from 06.07.2024 and officially inaugurated on 08.07.2024

1. Statement of patients admitted/discharged during different years (since inception up to 31st March 2025)

Sl. No.	Year		No. of Patients attended at I.P.D													Carried Forward to FY 25-26
		Admitted							Discharged							
		Adults		Children		Total		GT	Adults		Children		Total		GT	
		M	F	M	F	M	F		M	F	M	F	M	F		
1.	06.07.2024 to 31.03.2025 (2024-25)	298	328	3	1	301	329	630	285	321	3	1	288	322	610	20
	Total since inception	298	328	3	1	301	329	630	285	321	3	1	288	322	610	-

4. Percentage of yearly bed occupancy during different years since inception up to the reporting year 2024-25

SLNo.	Year	No. of beds available	% of yearly bed occupancy
1	2024-25	28	84.38

Percentage of yearly bed occupancy = $\frac{\text{Total care to the patients during the year}}{\text{No. of beds} \times \text{No. of days in a year}} \times 100$

No. of beds X No. of days in a year

5. Statement of patient's admitted/discharged during the reporting year 2024-25

Statement of patients admitted / discharged at IPD (Disease wise) during the reporting year 2024-25

Sl. No	ID	कोड सं. Code No	रोग / Disease	सी/एफ रोगियों की संख्या No. of Pt.'s C/F						वर्ष की अवधि में प्रवेश किए गए रोगियों की संख्या / No. of Patients admitted during reporting period																	
				वयस्क Adult		बच्चा Child		कुल Total		प्रवेश ADMITTED						छुटी DISCHARGED						STILL ON BED					
										वयस्क Adult		बच्चा Child		कुल Total		वयस्क Adult		बच्चा Child		कुल Total		वयस्क Adult		बच्चा Child		कुल Total	
				पु M	स् F	पु M	स् F	पु M	स् F	पु M	स् F	पु M	स् F	पु M	स् F	पु M	स् F	पु M	स् F	पु M	स् F	पु M	स् F	पु M	स् F	पु M	स् F
1	147	AAC-12	ADHMANA	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0
2	823	EC-6	AMAVATA	0	0	0	0	0	0	10	23	0	0	10	23	10	23	0	0	10	23	0	0	0	0	0	0
3	558	EB-4	AMLAPITTA	0	0	0	0	0	0	2	2	0	0	2	2	2	2	0	0	2	2	0	0	0	0	0	0
4	1530	F-8	ARDHAVAVEDAKA	0	0	0	0	0	0	0	1	0	0	0	1	0	3	0	0	0	3	0	0	0	0	0	0
5	22	AAB-6	ARDITHA	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0
6	141	AAC-8	AVABAHUKA	0	0	0	0	0	0	11	6	0	0	11	6	10	4	0	0	10	4	1	1	0	0	1	1
7	2132	M	BALAROGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1896	J-19	BADHIRYAM	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0
9	285	ABB-24	DAHA	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
10	141	AAC-8	DOURVALYA	0	0	0	0	0	0	4	2	0	0	4	2	4	2	0	0	4	2	0	0	0	0	0	0
11	1643	GF-19	GALAGANDA	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0
12	601	EB-7	GRAHANI	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0
13	1095	EE-4	GRANTHI	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0
14	141	AAC-8	GRIDHRASI	0	0	0	0	0	0	68	55	0	0	68	55	65	54	0	0	65	54	3	1	0	0	3	1
15	2983	AAC-12.4	KAMPAVATA	0	0	0	0	0	0	6	2	0	0	6	2	5	1	0	0	5	1	1	0	0	0	1	0
16	838	ED-2.2	KANDU	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0
17	480	EA-3	KASA	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0
18	1543	FA-3	KHALITHYA	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0
19	897	ED-4.3.3	KITIBHA	0	0	0	0	0	0	6	2	0	0	6	2	6	2	0	0	6	2	0	0	0	0	0	0
20	141	AAC-8	KUSTHA	0	0	0	0	0	0	14	7	0	0	14	7	13	7	0	0	13	7	1	0	0	0	1	0

21	241	AAE-9	MAMSAVATA	0	0	0	0	0	0	2	0	0	1	2	1	2	0	0	1	2	1	0	0	0	0	0	0
22	1421	EM	MANOVIKARA	0	0	0	0	0	0	1	0	1	0	2	0	1	0	1	0	2	0	0	0	0	0	0	0
23	1161	EF-3	MEDOROGA	0	0	0	0	0	0	2	5	0	0	2	5	2	5	0	0	2	5	0	0	0	0	0	0
24	1278	EJ-4	MUTRAKRUCHRA	0	0	0	0	0	0	2	0	0	0	2	0	2	0	0	0	2	0	0	0	0	0	0	0
25	1662	H	NETRAROGA	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0
26	25	AAB-9	NIDRANASA	0	0	0	0	0	0	0	2	0	0	0	2	0	2	0	0	0	2	0	0	0	0	0	0
27	69	AAB-52	PAKSHAGHAT	0	0	0	0	0	0	21	2	0	0	21	2	18	2	0	0	18	2	3	0	0	0	3	0
28	643	EB-10.10	PARINAMASHULA	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0
29	1139	EF-2.4.4	PRAMEHA/MADHU MEHA	0	0	0	0	0	0	9	5	0	0	9	5	9	5	0	0	9	5	0	0	0	0	0	0
30	1814	I-1	PRATISYAYA	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0
31	1383	EL-3	RAJADOSHA	0	0	0	0	0	0	0	3	0	0	0	3	0	3	0	0	0	3	0	0	0	0	0	0
32	248	AAE-16	SANDHIVATA	0	0	0	0	0	0	61	94	0	0	61	94	59	90	0	0	59	90	2	4	0	0	2	4
33	113	AAB-96	SHIRASHULA	0	0	0	0	0	0	1	3	0	0	1	3	1	3	0	0	1	3	0	0	0	0	0	0
34	1100	EE-4.5	SIRAGRANTHI	0	0	0	0	0	0	1	3	0	0	1	3	1	3	0	0	1	3	0	0	0	0	0	0
35	1029	ED-14	SITAPITTA	0	0	0	0	0	0	2	1	0	0	2	1	2	1	0	0	2	1	0	0	0	0	0	0
37	633	EB-10	SULA	0	0	0	0	0	0	0	2	0	0	0	2	0	3	0	0	0	3	0	0	0	0	0	0
38	489	EA-4	SWASA	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0
39	919	ED-5	SWITRA	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0
40	1761	HG-1	TIMIRA	0	0	0	0	0	0	2	1	0	0	2	1	2	1	0	0	2	1	0	0	0	0	0	0
41	1609	GE-6	UDARASULA	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0
42	956	ED-8	VATARAKTA	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0
43	2983	AAC-12.4	VATAVYADHI	0	0	0	0	0	0	63	91	2	0	65	91	61	91	2	0	63	91	2	0	0	0	2	0
44	905	ED-4.3.10	VICHARCHIKA	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0
45	177	AAC-35	VISHWACHI	0	0	0	0	0	0	3	3	0	0	3	3	3	2	0	0	3	2	0	1	0	0	0	1
			TOTAL	0	0	0	0	0	0	29	32	3	1	30	32	28	32	3	1	28	32	1	7	0	0	13	7

C/F from FY 23-24 – 00, प्रवेश की संख्या / No. of Admissions: 630 , छुट्टी की संख्या / No. of Discharges: 610 , C/F to FY 24-25: 20

Details of Camp Conducted by the institute during FY 24-25

Details of free healthcare camps/health check-ups				
S.r	Name of the Activity	Date	Number of beneficiaries	Activity Description
1	One day free medical camp at Rajaldesar parishad, Bengaluru	23/06/24	Male: 26 Female: 61 Total 87	Free consultation and Medicine Distribution.
2	Medical camp at Rajaldesar parishad, Bengaluru	21/07/24	Male: 31 Female: 54 Total 85	Free consultation and Medicine Distribution.
3	Geriatric health camp through Ayushman Arogya Mandir at Somanahalli, Bengaluru	10/09/24	Male: 43 Female: 35 Total 78	Awareness on geriatric health along with free health care service like screening of Anemia, hypertension and diabetes.
4	Medical camp at Swarnamukhi Boys School, Vadderahalli, Bengaluru	04/02/25	Total 50	Free consultation and distribution of Medicines. 100 days intensified Tb eradication awareness campaign also conducted.
5	One day free Medical camp at RR institutions Chikkabanavara, Bengaluru	27/02/25	Male: 21 Female: 29 Total 50	Awareness on health along with free consultation, lab investigations like Hb, RBS and distribution of free Medicines. 100 days intensified Tb eradication awareness campaign also conducted.
6	Free Medical camp at Aasare Charitable Trust, Anekal	02/03/25	Male: 63 Female: 47 Total 110	Free Medical consultation, blood investigations like hb and RBS and free Medicine Distribution. 100 days intensified Tb eradication awareness campaign also conducted.
7	Free medical camp by Shri Veera Pulakeshi Grameena Ayurveda Medical Collge and Hospital, Badami, Karnataka.	05/03/25	Male: 27 Female: 53 Total 80	Free consultation and Medicine Distribution of Immunity booster medicines like Ayush 64, Shamashani vati and Ashwagandha gana vati.

11. List of OPD medicines purchased during the year 2024-25

SL No.	Bill Number	Bill Date	Company Name	Amount
1.	DL/24-25/0745	15-06-2024	IMPCL	5,08,125.00
2.	DL/24-25/0746	15-06-2024	IMPCL	98,482.00
3.	DL/24-25/0867	29-06-2024	IMPCL	1,19,863.00
4.	DL/24-25/0868	29-06-2024	IMPCL	9,694.00
5.	DL/24-25/01069	16-07-2024	IMPCL	21,559.00
6.	DL/24-25/01189	29-07-2024	IMPCL	48,203.00
7.	DL/24-25/01270	31-07-2024	IMPCL	4,908.00
8.	DL/24-25/01634	21-08-2024	IMPCL	3,20,312.00
9.	DL/24-25/01635	21-08-2024	IMPCL	10,513.00
10.	DL/24-25/01654	23-08-2024	IMPCL	11,93,408.00
11.	DL/24-25/01655	23-08-2024	IMPCL	64,019.00
12.	DL/24-25/01696	28-08-2024	IMPCL	21,903.00
13.	DL/24-25/01697	28-08-2024	IMPCL	38,954.00
14.	DL/24-25/01758	30-08-2024	IMPCL	5,36,908.00
15.	DL/24-25/01858	11-09-2024	IMPCL	61,126.00
16.	DL/24-25/02923	14-12-2024	IMPCL	8,708.00
17.	DL/24-25/02921	12-12-2024	IMPCL	1,35,677.00
18.	DL/24-25/02790	02-12-2024	IMPCL	2,17,584.00
19.	DL/24-24/03680	24-01-2024	IMPCL	44,169.00
20.	DL/24-25/02920-III	16-12-2024	IMPCL	3,75,060.00
21.	DL/24-25/02920-II	13-12-2024	IMPCL	9,81,481.00
22.	DL/24-25/03197	31-12-2024	IMPCL	17,522.00
23.	DL/24-25/03196	31-12-2024	IMPCL	5,97,867.00
24.	DL/24-25/02920	12-12-2024	IMPCL	9,89,972.00
25.	DL/24-25/02922	14-12-2024	IMPCL	9,22,019.00
26.	DL/24-25/02920-IV	17-12-2024	IMPCL	8,59,178.00
27.	DL/24-25/03905	11-02-2025	IMPCL	1,94,118.00
28.	DL/24-25/03904	11-02-2025	IMPCL	4,42,572.00
29.	PISDB0168	05-03-2025	IMPCOPS	29,177.00
30.	PISDB0039	27-06-2024	IMPCOPS	3,02,107.00
31.	PISDB0114	28-11-2024	IMPCOPS	3,39,828.00
32.	PISDB0160	09-02-2025	IMPCOPS	43,706.00
33.	16243	26-07-2024	Kendriya Bhandar	14,648.00
34.	16671	24-10-2024	Kendriya Bhandara	15,120.00
35.	757	10-07-2024	Veda Ayurveda	4,055.00
			Total	95,92,545.00

12. List of Medicines purchased under THCRP Project during the year 2024-25

SL.NO	INVOICE No/Date	From Whom Received	Total amount
1	PISDB0040/26-06-2024	M/s.IMPCOPS,Bengaluru-09	1,36,664.00
2	90347561/04-07-2024	M/s,Oushadhi,Kerala	99,951.00
3	DL/2024-25/01894/13-09-2024	M/s.IMPCL,New Delhi	52,231.00
4	DL/2024-25/02104/05-10-2024	M/s.IMPCL,New Delhi	93,889.00
5	DL/2024-25/01950/19-09-2024	M/s.IMPCL,New Delhi	43,069.00
6	DL/2024-25/01960/19-09-2024	M/s.IMPCL,New Delhi	3,640.00
7	DL/2024-25/01961/19-09-2024	M/s.IMPCL,New Delhi	13,716.00
8	DL/2024-25/02027/30-09-2024	M/s.IMPCL,New Delhi	22,237.00
9	DL/2024-25/02028/30-09-2024	M/s.IMPCL,New Delhi	5,843.00
10	DL/2024-25/03909/11-02-2025	M/s.IMPCL,New Delhi	1,28,607.00
11	PISDB0180/20-03-2024	M/s.IMPCOPS,Bengaluru-09	153.00
Total			6,00,000.00/-

13. List of Medicines purchased under SCSP Project during the year 2024-2025

Sl.No.	Invoice No/Date		From whom received	Total Amount
1.	DL/2024-25/01079	7/16/2024	M/s IMPCL, New Delhi	139490
2.	DL/2024-25/01080	7/16/2024	M/s IMPCL, New Delhi	11152
3.	DL/2024-25/01127	7/22/2024	M/s IMPCL, New Delhi	58288
4.	DL/2024-25/01891	9/13/2024	M/s IMPCL, New Delhi	199417
5.	90366098	12/18/2024	M/s OUSHADHI, Kerala	48315
6.	PISDB0131	12/27/2024	M/s IMPCOPS, Bangalore-09	86606
7.	PISDB0159	2/19/2025	M/s IMPCOPS, Bangalore-09	2381
8.	90374494	2/19/2025	M/s OUSHADHI,Kerala	4351
	Total value			550000

9. List of equipment purchased during the year 2024-2025

S.no.	Bill No.	Bill Date	Item Name	Reg Pg No.	Amount
1	004	29-05-2024	Window pipe installation	P2,V5,Pg-191	12,932.00
2	GOV2425-173	24-05-2024	Geyser	P2,V5,Pg-187	82,500.00
3	24-25/49	29-05-2024	LG Domestic Refrigerator	P2,V5,Pg-192	24,495.00
4	GEM/2184	31-05-2024	LG Washing with Drying Machine	P2,V5,Pg-193	98,919.00
5	006	12-06-2024	Window pipe installation	P2,V5,Pg-191	14,160.00
6	07	18-06-2024	Curtain work	P2,V5,Pg-194	26,432.00
7	08	24-06-2024	Curtain work	P2,V5,Pg-194	27,376.00

8	36	03-07-2024	Clothes Hanging Work	P2,V5,Pg-195	23,600.00
9	INV/24-25/0163	01-06-2024	Blade Chain	P2,V5,Pg-185	24,994.00
10	294	22-08-2024	Inva Homez 100Ah	P2,V5(1),Pg-22	7,200.00
11	310	19-09-2024	Microtech legend 600VAE	P2,V5(1),Pg-27	2,850.00
12	286	22-10-2024	Lead Protection Screen & Lead sheet	P2,V5(1),Pg-29	37,700.00
13	325/24-25	29-11-2024	Air Compressor Motor	P2,V5(1),Pg-34	27,577.00
14	NK/24-25/341	15-06-2024	Geyser-4no's	P2,V5(1)PG-35	41,200.00
15	5803	02-07-2024	Pressure pump & washing Machine	P2,V5,Pg-199	9,440.00
16	1696	11-07-2024	Rubber Coir Mattresses	P2,V5, Pg-200	1,19,703.00
17	91	12-07-2024	Nursing Station	P2,V5(1),Pg-16	1,95,597.00
18	97	26-07-2024	Partition work	P2,V5(1),Pg-17	1,56,055.00
19	72	18-06-2024	IPD Curtain Tracks	P2,V5(1),Pg-20	1,55,902.00
20	CTC/24-25/43	30-07-2024	Autoclave	P2,V5(1),Pg-26	1,70,000.00
21	310	19-09-2024	Microteach legend 600	P2,V5(1),Pg-27	2,850.00
22	TI/24-25/33	21-06-2024	Wheel Chair	P2,V5(1),Pg-28	10,394.00
23	Y-24/1203	08-11-2024	Refrigerator 165 ltr	P2,V5(1),Pg-31	11,000.00
24	A14040	08-11-2024	Gas Stove = 2no's	P2,V5(1),Pg-30	11,400.00
25	A14049	08-11-2024	Plat Tawa	P2,V5(1),Pg-32	3,750.00
26	JB384	13-11-2024	5items (Guest room)	P2,V5(1),Pg-33	24,798.00
27	JB385	13-11-2024	Wooden Cot	P2,V5(1),Pg-33	9,499.00
28	3088/24-25	08-01-2025	Bolero Battery	P2,V5(1),Pg-38	5,900.00
29	19	13-02-2025	Woden Work	P2,V5(1),Pg-39	45,489.00
30	GST/522/2425	18-02-2025	Bed Side Locker	P2,V5(1),Pg-43	20,650.00
31	806002415	15-02-2025	Wisc Indi Control kit	P2,V5(1),Pg-44	1,14,522.00
				Total	15,18,884.00

Computer/Printer/UPS Purchase 2024-2025

S.no	Boll No.	Bill Date	Item Name	Register Pg No.	Amount
1	77,78	07-05-2024	UPS battery =2no's	P2,V5,Pg-183	18,700.00
2	GST/11195/2425	28-05-2024	Canon Pixma Printer	P2,V5,Pg-186	12,598.00
3	GST/11194/2425	28-05-2024	Canon laser printer	P2,V5,Pg-186	16,214.00
4	DI/2425/1105	21-05-2024	HP Computer	P2,V5,Pg-189	81,196.00
5	PCAS/2425/0021	03-07-2024	UPS	P2,V5,Pg-196	2,699.00
6	PCAS/2425/0020	03-07-2024	UPS	P2,V5,Pg-196	2,699.00
7	VP/2425/1099	28-06-2024	HP Computer	P2,V5,Pg-197	73,400.00
8	VP/2425/1100	28-06-2024	HPComputer	P2,V5,Pg-198	78,490.00
9	2425/LMC0448	03-09-2024	HP Desktop	P2,V5(1),Pg-25	70,000.00
10	2425CB01000424	21-12-2024	HP LaserJet Printer	P2,V5(1),Pg-37	21,243.00
11	PCAS/2425/0026	21-07-2024	UPS	P2,V5,Pg-183	2,699.00

12	181	07-06-2024	Microteach UPS	P2,V5,Pg-190	19,470.00
13	VP/2425/1444	11-02-2025	All in one Hp Computer	P2,V5(1),Pg-41	1,19,800.00
14	GST/12337/2425	18-02-2025	GST Printer	P2,V5(1),Pg-42	33,000.00
15	VP/2425/1442	10-02-2025	HP Computer	P2,V5(1),Pg-45	1,35,000.00
				Total	6,08,718.00

Donations

S.no	Boll No.	Bill Date	Item Name	Register Pg No.	Amount
1	VP/10/24-25	27-09-2024	X-Ray Machine	P2,V5(1)Pg-48	9,02,500.00
2	2054	29-03-2024	HP Desktop I/c room	P2,V5(1)Pg-23	91,500.00

Project

S.no	Boll No.	Bill Date	Item Name	Register Pg No.	Amount
1	VP/2425/1056	27-05-2024	All in one HP Computer EMRS Project	P2,V5,Pg-188	99,800.00
2	774	30-07-2024	Remi Lab Refrigerator COE Project	P2,V5(1),Pg-18	1,35,700.00
3	775	30-07-2024	ECG Machine COE Project	P2,V5(1),Pg-19	1,98,800.00
4	GMD/341/24-25	06-12-2024	NRG Metabolic Monitor ICMR Project	P2,V5(1),Pg-36	13,72,500.00
5	INV-MD-TE93	27-01-2025	Book Scanner Wild edible plant	P2,V5(1),Pg-40	86,000.00
6	12946/2425	21-02-2025	Sony camera Lens Wild edible plant	P2,V5(1),Pg-46	38,999.00
7	13040/2425	24-02-2025	Sony Digital Camera Wild edible plant	P2,V5(1),Pg-46	1,87,999.00
8	GST/12471/2425	20-03-2025	Printer EMRS Project	P2,V5(1),Pg-47	41,313.00

आदिवासी स्वास्थ्य रक्षा अनुसंधान परियोजना 2024-25

TRIBAL HEALTH CARE RESEARCH PROJECT (THCRP) 2024-25

THCRP Team

Head of the Institute	Dr. Sulochana Bhat, Assistant Director Incharge
Monitoring officer	Dr. Shashidhar H. Doddamani RO (Ay.)
Team members	Dr. Rajendra Kumar, RO (Ay.) Dr. S K Giri, RO (Ay.) Dr. V. Rama Rao, RO (Botany) (CoI for LHT Documentation)
Senior Research Fellows (SRFs)	Dr. Sangamesh Jamshetty, Dr. Deepika R (April to November 2024), Dr. Tejaswini C from (December 2025 till date)
Lab Technician	Mr. Ananth Kumar K
Data Entry Operator	Mr. Prashantha K L
Pharmacists	Mr. Saibal Santra (April to November 2024), Mr. Neelesh Kumar (Dec- till date)
Multi Task Staff	Mr. Abhishek
Driver	Mr. Praveen N

Background

Tribal Health Care Research Program has been initiated by CCRAS in 1982 with the core objectives encompassing study of the living conditions of tribal people, documentation of information available, use of medicinal plants in the area, study of dietetic habits including health-related demography, study of socio demographic profile, nature and frequency of prevalent diseases, propagation of knowledge about hygiene, and prevention of diseases, providing medical aid at their doorsteps, collection and documentation of folklore claims and LHTs^[11]. This program has been extended to 14 states through 14 CCRAS peripheral Institutes under the Tribal Sub Plan (TSP). The Tribal Health Care Research Project was initiated at Central Ayurveda Research Institute, Bengaluru in 2014 and the first Tribal Health Care Camp was conducted on 17-1-2015. THCRP Survey and Medical camp for the year 2024-25 was scheduled and conducted at 24 selected ST community dominated villages/ clusters of Hunsur Taluk, Mysore district on a regular basis. Through door-to-door surveys, House data of **224** households along with **520** individual data belonging to ST community were systematically collected. During the medical camps, 5730 patients were treated for various medical conditions. Basic routine blood investigations were performed wherever necessary. A total of 1125 haemoglobin tests and 1525 Random Blood sugar test and 1283 other investigations were carried out during the door-to-door survey and medical camps. By interviewing the LHT practitioners/ folk healers in the selected clusters and nearby areas, 11 LHT claims were collected, documented and validated.

Status of Research Study under THCRP-TSP studies entitled Assessment of acceptability of the comprehensive Ayurveda based health care approach in the tribal community an effectiveness of individualized health care- A cluster randomized study was conducted in the Gurupura (Cluster 1) village of Hunsur Taluk, Mysore district out of which 30 families- 68 patients were enrolled.

Summary

S. No.	Particulars	Consolidated data of the study
1	Duration of the programme	12 Months
2	No. of villages /areas covered	4 Cluster
3	No. of Visits of team	205
4	Total No. of patients who attended OPD	5730
5 (a)	No. of ST patients who attended OPD	3897
5 (b)	No. of ST adults who attended OPD	2640
5 (c)	No. of ST children who attended OPD	1257
6	No. of Lab Investigations done	3933
7	Total No. of Focus camps organised	39
8	Number of Beneficiaries of the Focus Camps organised	2743
9	Total No. of awareness lectures	70
10	Number of Beneficiaries of the awareness lectures	1960
11	Total no. of other activities by the team	04
12	Total Beneficiaries (OPD + Investigations + Awareness lectures + Focus Camps)	14,366
13	Research Project –THCRP-TSP Title- “Acceptability of the comprehensive Ayurveda-based health care approach in the community and effectiveness of individualized health care - Cluster randomized study”	Target -520 Target achieved-520

Consolidated statement of work carried out during (April 2024 to March 2025)

Population Surveyed Status of “Tribal Health Care Research Program” under TSP

Cluster No.	No. of tours till date	No. of houses surveyed	Population surveyed (ST)		
			M	F	Total
Cluster 1	57	112	105	155	260
Cluster 2	44	112	113	147	260
Cluster 3	57	0	0	0	0
Cluster 4	47	0	0	0	0
Total	205	224	218	302	520

Status of Patients treated under “Tribal Health Care Research Program” (TSP) during 2024-25:

Cluster No.	Patients treated till date																Grand Total
	New				Follow Up				Total						Total		
	ST		Other		ST		Other		ST			Other					
	M	F	M	F	M	F	M	F	M	F	Total	M	F	Total	M	F	
Cluster 1	294	388	24	35	147	266	15	18	441	654	1095	39	53	92	480	707	1187
Cluster 2	439	446	257	283	55	79	58	91	494	525	1019	315	374	689	809	899	1708
Cluster 3	488	454	295	306	25	39	31	49	513	493	1006	326	355	681	839	848	1687
Cluster 4	340	401	178	158	18	18	16	19	358	419	777	194	177	371	552	596	1148
Total	1561	1689	754	782	245	402	120	177	1806	2091	3897	874	959	1833	2680	3050	5730

Investigation carried out under Tribal Health Care Research Programme 2024-25:

Cluste r No.	Area/ villages covered under pocket	Investigations/Screening																							
		Hb (gm%)						Blood Sugar Level (mg/dl)						Other Investigation						Total Investigations					
		ST		Other		Total		ST		Other		Total		ST		Other		Total		ST		Other		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	Gurupura	121	246	4	11	125	257	144	248	7	14	151	262	23	136	35	90	58	226	288	630	46	115	334	745
2	Doddejju	26	56	86	111	112	167	68	85	80	110	148	195	137	91	251	183	388	274	231	232	417	404	648	636
3	NeralaKuppe	63	69	55	68	118	137	158	133	102	129	260	262	28	58	42	66	70	124	249	260	199	263	448	523
4	Kademanuga nahalli	38	82	45	44	83	126	61	104	38	44	99	148	0	0	35	108	35	108	99	186	118	196	217	382
Total		248	453	190	234	438	687	431	570	227	297	658	867	188	285	363	447	551	732	867	1308	780	978	1647	2286

Folk claims collected under Tribal Health Care Research Programme during 2024-25

Cluster No.	Place of collection (Area/ villages covered under pocket)	Drug/ contents of formulation/ Procedure	Part of plant Used/ material required for procedure	Formulation preparation method / Procedure detail	Uses of Drug/ Procedure	Detail data collected or not	Herbarium prepared or not	GPS data collected or not
Cluster 1	Kallenahalli	Kadubadanekayi	Fruits	Fresh fruits are collected and internally administered or mixed with salads and taken as a food recipe once a day for 3 to 5days	Cough, cold	Yes	Yes	Yes
Cluster 1	Kallenahalli	Datura	Whole plant	The whole plant is tied in front of the house, henceforth it acts like insecticidal, Antibacterial to avoid communicable diseases.	Rakshognakarma	Yes	Yes	Yes
Cluster 1	Kallenahalli	Kadutumbu	Stem	The stem is taken and tied above the region of snake bite and tied for a whole day	Snake bite	Yes	Yes	Yes
Cluster 3	Billenahosahalli	Vacha	Rhizome	The Rhizome is rubbed on a sandalwood stone to form a paste which is then licked for twice a day	Bloating of abdomen	Yes	Yes	Yes
Cluster 3	Billenahosahalli	Nagadaali	Fresh leaves	Fresh leaves of the plant is collected in the morning hours, squeezed after pounding, fresh juice is collected about 5 to 10ml is administered orally twice a day for 3 days	Cough with sputum, abdominal colic	Yes	Yes	Yes

Cluster 4	Thittimatti	Amra	Bark	The bark is made into powder and mixed to 100 ml water, boiled, poured over the red hot sword and then the water collected is taken internally twice a day for next 3 days	Rakthaja athisara	Yes	Yes	Yes
Cluster 4	Thittimatti	Vitamin Plant	Leaves	These leaves are either cooked directly in the curry or used as garnishing to enhance the overall nutrition	Pandu,Iron deficiency	Yes	Yes	Yes
Cluster 4	Tithimatti	Japa	Flowers	One whole flower taken empty stomach in the early morning for 20 days	Headache, Blackouts and vomiting	Collected	Yes	Yes
Cluster 4	Tithimatti	Kahi jeerigae	Seeds	2gms of seeds taken and roasted added to 1000ml of water boiled and reduced to 50ml and taken after food twice daily	Shhethananju	Collected	Yes	Yes
Cluster 4	Tithimatti	Vibhitaki	Twak	The bark is made into powder and mixed to 100 ml water and boiled later this boiled water is poured over the red hot sword and then the water collected is taken internally twice a day for next 3 days	Bedi, Ottaenovu	Collected	Yes	Yes
Cluster 4	Tithimatti	Galisoppu	Leaves	One fistful of leaves squeezed and collected juice is taken internally for 3 days in empty stomach	Jwara	Collected	Yes	Yes

Status of Research Study under THCRP-TS

Name of the project			Date of initiation	Date of completion of study	Target	No. of participants enrolled	No. of Participants successfully completed	No. of dropout participants	Reason for Dropout	Remarks
Acceptability of the comprehensive Ayurveda-based health care approach in the community and effectiveness of individualized health care - Cluster randomized study.	Pre-Intervention Survey	Cluster 1	14/08/2024	25/08/2024	260	260	260	0	-	-
		Cluster 2	05/08/2024	13/08/2024	260	260	260	0	-	-
	Post-Intervention Survey	Cluster 1	17/02/2025	25/02/2025	260	260	260	0	-	-
		Cluster 2	17/02/2025	20/02/2025	260	260	260	0	-	-
	IAHA	No. of families enrolled	23/09/2024	24/01/2025	30	30	30	0	-	-
		No. of participants enrolled	23/09/2024	24/01/2025	68	68	68	0	-	-

आयुर्वेद मोबाईल स्वास्थ्य रक्षा कार्यक्रम 2024-25

AYURVEDA MOBILE HEALTH CARE PROGRAMME UNDER SCHEDULED CASTE SUB PLAN (AMHCP-SCSP) 2024-25

AMHCP-SCSP Team

Head of the Institute	Dr. Sulochana Bhat, Assistant Director Incharge
Monitoring officer	Dr. Thejaswini.C, R.O (Ay.)
Team members	Dr. Srinibas Sahoo., R.O (Ay.) Dr. Vidyashree Anchan., R.O (Path.)
Senior Research Fellows (SRFs)	Dr. Tejaswi Kiran & Dr. Sindhu C V
Lab Technician	Mr. Mohammed Zabiulla
Data Entry Operator	Mrs. Pushpa M
Pharmacists	Mr. Saurav Maji
Driver cum Multi Task Staff	Mr. Sachin B D

Background

Ayurveda Mobile Health Care Programme under Scheduled Caste Sub Plan (AMHCP-SCSP), is an outreach programme initiated by the Ministry of AYUSH and executed by Central Council for Research in Ayurvedic Science (CCRAS). Being existent from December 2015 till date, the programme has been implemented to conduct clinical research programmes with public health orientation for Scheduled caste population. The outreach programme aims to advocate Ayurveda based diet and lifestyle modification guidelines, provide health-care services for several ailments particularly focussing on non-communicable diseases, comprehend the health status of the target population with due respect to their socio-economic conditions and generate awareness regarding health, hygiene and nutrition.

During the one-year study period between April 2024 to March 2025, the AMHCP-SCSP team provided comprehensive health care services to the target population of the selected four SC dominated clusters (C1-J.P. Nagar: Ragidudda slum & Rajeshwari Slum; C2-Padmanabhanagar: Chikkagowdanapalya & Sunnada Gudu ; C3-Vasanth Vallabha Nagar: Vasanthapura & Yadalam Nagar and C4-Kumaraswamy Layout: 15E & Chandranagar) through 202 medical tours. Within the confines of the IMR study entitled “Acceptability of the comprehensive Ayurveda -based health care approach in the community and effectiveness of individualised health care- Cluster randomized study”, the team surveyed 223 SC dwelled houses covering a sample size of 480 SC population randomly categorised into two groups each comprising 240 participants. A total of 4236 patients were treated during the health camps of which 2910 (68.70%) belonged to the SC community and 1326 (31.30%) belonged to other communities. A total of 7144 investigations were carried out during the AMHCP-SCSP health camps which included 1849 Random Blood glucose

tests, 1823 Haemoglobin tests and 3472 other investigations such as Hemogram, LFT, RFT, lipid profile, thyroid function test etc.

Status of Research Study under AMHCP-SCSP

Under the study entitled “Acceptability of the comprehensive Ayurveda -based health care approach in the community and effectiveness of individualized health care- Cluster randomized study”, door-to-door surveys was conducted in the clusters 1 (J.P. Nagar) & 2 (Padmanabhanagar) of south zone of Bengaluru, Karnataka. A total of 480 participants were randomly selected during the study and were categorized into two groups (1 & 2) each consisting of 240 participants. 30 families (66 participants) from cluster 1 was enrolled under IAHA study.

Summary

S. No.	Particulars	Consolidated data of the study
1	Duration of the programme	1 year (April 2024- March 2025)
2	No. of villages /areas covered	4 clusters / 8 areas
3	No. of Visits of team	202
4	Total No. of patients who attended OPD	4236 (New-3227+ Follow-up-1009)
5 (a)	No. of SC patients who attended OPD	2910 (new-2400, follow-up-510)
5 (b)	No. of SC adults who attended OPD	2757 (new-2266, follow-up- 491)
5 (c)	No. of SC children who attended OPD	153 (New-134+ Follow-up- 19)
6	No. of Lab Investigations done	7144
7	Total No. of Focus camps organised	20
8	Number of Beneficiaries of the Focus Camps organised	621
9	Total No. of awareness lectures	177
10	Number of Beneficiaries of the awareness lectures	6229
11	Total no. of other activities by the team	11
12	Total Beneficiaries (OPD + Investigations + Awareness lectures + Focus Camps)	18230 {4236 (OPD)+ 7144 (investigations) + 621 (Focus camp) + 6229 (Awareness lectures)}
13	Research Project - 01 Title- “Acceptability of the comprehensive Ayurveda -based health care approach in the community and effectiveness of individualised health care- Cluster randomized study”	Target -480 Target achieved-476

Consolidated statement of work carried out during April 2024 to March 2025

Cluster No.	No. of tours till date	No. of Houses Surveyed till date	Population Surveyed (SC) till date		
			M	F	Total
Cluster 1	52	115	105	135	240
Cluster 2	49	108	110	130	240
Cluster 3	52	0	0	0	0
Cluster 4	49	0	0	0	0
Total	202	223	215	265	480

Status of Patients treated under “Ayurveda Mobile Health Care Program” (SCSP) during 2024-25:

Name of the Institute	Cluster	No. of Patient who attended outreach OPD																		
		New						Old						Total						Grand total (SC +Other)
		SC			Other			SC			Other			SC			Other			
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O	M	F	O	
CENTRAL AYURVEDA RESEARCH INSTITUTE, BENGALURU .	C1	205	360	0	37	92	1	28	94	0	39	84	1	233	454	0	76	176	2	941
	C2	179	327	0	28	52	0	32	115	0	10	32	0	211	442	0	38	84	0	775
	C3	223	401	0	129	206	0	30	82	0	69	145	0	253	483	0	198	351	0	1285
	C4	273	432	0	128	150	4	28	101	0	43	75	1	301	533	0	171	225	5	1235
	Total	880	1520	0	322	500	5	118	392	0	161	336	2	998	1912	0	483	836	7	4236

Investigation carried out under Ayurveda Mobile Health Care Research Programme 2024-25:

S r. N o	Cluste r	Investigations																											Grand Total									
		Hb(g/dL)									Blood Sugar Level (mg/dL)									Other Investigation										Total Investigations								
		SC			Other			Total			SC			Other			Total			SC			Other			Total				SC			Other			Total		
		M	F	O	M	F	O	M	F	O	M	F	O	M	F	O	M	F	O	M	F	O	M	F	O	M	F	O		M	F	O						
1.	C1	57	19	0	53	13	2	110	32	2	62	18	0	56	12	2	11	31	0	18	46	0	15	39	0	338	86	0	30	84	0	26	65	4	566	1495	4	2065
2.	C2	68	15	0	16	58	0	84	21	0	66	14	0	16	61	0	82	20	0	20	39	0	90	25	0	299	64	0	34	69	0	12	37	0	465	1066	0	1531
3.	C3	84	14	0	11	21	0	200	36	0	89	14	0	12	23	0	21	37	0	66	11	0	21	47	0	281	58	0	23	41	0	45	90	0	693	1316	0	2009
4.	C4	73	19	0	11	14	3	192	33	3	84	19	0	12	13	4	20	33	4	36	17	0	90	16	0	126	33	0	19	55	0	33	45	7	526	1006	7	1539
Total		282	680	0	304	552	5	586	1232	5	30713	619	0	3556	5120	6	62203	1667	6	497	1144	0	54784	1044	0	10807	2428	0	10807	2497	0	1170	2386	11	2250	4883	11	7144

Status of Research Study under AMHCP-SCSP

Name of the project			Date of initiation	Date of completion of study	Target	No. of participants enrolled	No. of Participants successfully completed	No. of dropout participants	Reason for Dropout	Remarks
Acceptability of the comprehensive Ayurveda-based health care approach in the community and effectiveness of individualized health care - Cluster randomized study	Pre-Intervention Survey	Cluster 1	22-07-2024	12-08-2024	240	240	240	0	-	Nil
		Cluster 2	24-07-2024	14-08-2024	240	240	240	0	-	Nil
	Post-Intervention Survey	Cluster 1	20-01-2025	03-02-2025	240	240	240	0	-	Nil
		Cluster 2	25-01-2025	04-02-2025	240	240	236	4	Participant permanently shifted from the place of enrolment	Nil
	IAHA	No. of families enrolled	25-09-2024	21-01-2025	30	30	28	2	Participant permanently shifted from the place of enrolment	Nil
		No. of participants enrolled	25-09-2024	25-01-2025	66	66	62	4	Participant permanently shifted from the place of enrolment	Nil

EMRS ANNUAL REPORT 2024-25

General health screening with special focus on selected disease conditions (Tuberculosis, Anemia, Sickle Cell Disease & Malnutrition) and Ayurveda management of Anemia & Malnutrition in students of Ekalavya Model Residential Schools (EMRS)

1.	In charge Name	Dr. Sulochana Bhat
2.	PI & Co-I Names	Dr. S. H. Doddamani; Dr. Vidyashree Anchan & Dr. Thejaswini C
3.	Name of RO visiting the tours	Dr. S. H. Doddamani; Dr. Vidyashree Anchan & Dr. Thejaswini C
4.	Name of SRF	Dr. Kruthika Bheemappa & Dr. Sindhushree Ballakuraya
5.	Name of Office Assistant	Mr. Vinod
6.	Name of MTA	Mr. Shashidhar J.

Background

Tribal health in India is still an area of concern after more than seven decades of independence. Despite commendable efforts, there are several obstacles that hinder the successful delivery of healthcare services to these underserved populations. They struggle with malnutrition, anemia, stunting, wasting, and hunger. Child health indicators for the scheduled tribes are poor and worse than the general population. Recognizing the need of healthcare based on the understanding of the health conditions of the children of the EMRSs the M/o Ayush, Govt. of India and M/o of Tribal Affairs (MoTA), Govt. of India the Joint Working Group has decided to take a Program on health-related demographic trends and impact of Ayurveda based interventions & advocacies on general health outcomes in selected disease conditions in students of identified Ekalavya Model Residential Schools (EMRS) functioning under M/o Tribal Affairs.

Thus, general health screening with special focus on selected disease conditions (Tuberculosis, Anemia, Sickle Cell Disease & Malnutrition) and Ayurveda management of Anemia & Malnutrition in students of Ekalavya Model Residential Schools (EMRS) project has been assigned to CARI Bengaluru.

Out of 57 EMRS schools selected all over country, the following 2 schools are assigned to CARI, Bengaluru from Karnataka:

1. EMRS, Mangala, Chamarajnagar district
2. EMRS, Gangannagripalli, Kolar district

Under the heading of general health screening, the following 2 projects also allotted for CARI, Bengaluru:

1. Tolerability, treatment adherence and effectiveness of Ayurvedic Intervention (Drakshavaleha and Punarnava Mandura) in the management of moderate Iron Deficiency Anemia in students of selected Ekalavya Model Residential Schools: a collaborative study under EMRS project.
2. Effectiveness of Ayurveda-Based Lifestyle Advocacies and Practices on Quality of Life among Children of Ekalavya Model Residential School in India under EMRS project.

General Health Screening with the ICMR team was conducted at EMRS Mangala from 06/02/2025 to 18/02/2025

Name of the school	Anemia	Malnutrition	Heamoglobinopathies	Others
EMRS Mangala, Chamarajnagar district	Mild Anemia-85 Moderate-58 Severe-3	Moderate-51 Severe-26	Sickle cell disease-0 Sickle cell trait-21 Beta Thalassemia trait-7 Undefined-24	Overweight-13 Obesity-2
EMRS Gangannagaripalli, Kolar district	Mild Anemia-53 Moderate-33 Severe-3	Moderate-36 Severe-15	Sickle cell disease- 0 Sickle cell trait- 0 Beta Thalassemia trait-18 Undefined- 20	Overweight-20 Obesity-3

Students Diagnosed with mild Anemia and moderate Malnutrition are enrolled in clinical trial in the month of February and March 2025.

Activities Done from September 2024 to March 2025

In each visit conducted awareness lectures to students and incidental support awareness lectures were conducted by the following officers/staff:

- Dr. SH. Doddamani, PI- EMRS Project
- Dr. Vidyashree Anchan, Co- I- EMRS Project
- Dr. Kruthika B, SRF (Ay)- EMRS Project
- Dr. Sindhushree B, SRF (Ay)- EMRS Project

School name	Total Number of awareness conducted
EMRS Mangala	20
EMRS Gangannagaripalli	23

Total 7 visits for incidental support were conducted and the medicines distributed for the students, teachers and other staff.

School name	Total number of beneficiaries (New Patient)	Total number of beneficiaries (Follow up)
EMRS Mangala	348	39
EMRS Gangannagaripalli	301	40

NATIONAL PHARMACOVIGILANCE PROGRAM

Ayush Oushadhi Gunavatta Evam Utpadan Samvardhan Yojana (AOGUSY)

10.1.1. Objectives:

- To enhance India's manufacturing capabilities and exports of traditional medicines and health promotion products under the initiative of Atmanirbhar Bharat.
- To facilitate adequate infrastructural & technological up gradation and institutional activities in public and private sector for standardization, quality manufacturing and analytical testing of Ayush drugs & materials.
- To strengthen regulatory frameworks at Central and State level for effective quality control, safety monitoring and surveillance of misleading advertisements of Ayush drugs.
- To encourage building up synergies, collaborations and convergent approaches for promoting standards and quality of Ayush drugs & materials.

10.1.2. Participating center along with PI:

Name of the participating centre	Co-ordinators
Regional Ayurveda Research Institute For Metabolic Disorders, Bengaluru. (RARIMD)	Dr M.N Shubhashree RO Ayu.
	Programme Assistant 1. Dr. Bhavana KR 18/07/2018-29/09/2018 2. Dr. Sunona George 09/10/2018-31/01/2020 3. Dr. Chandini Chandrasekharan. N.P (2/3/2020-15/10/2022) 4. Dr. Rahul (19/09/2022–12/10/2022) 5. Dr. Neha (20/10/2022 – 30/11/2022) 6. Dr. Shaily Agarwal G (05/12/2022 – 31/01/2023) 7. Dr. Arsha K S (27/02/2023 – 17/05/2023) Junior Research Fellow (JRF) 1. Dr. Arsha K S (20/05/2023 – till date)

10.1.3. Date of initiation : 18th July 2018

10.1.4. Budget allocated : Rs.14,27,993.50+ Rs. 50,000 (Untied Fund 2023-24) + Rs.3,89,131 (Salary deposited directly to JRF personal account after 10% deduction from April 2023-March 2024) = Rs. 18,67,124.50/- (budget allocated up to March 2024)
 Rs.18,67,124.50 + Rs. 50,000 (Untied Fund 2024-25) + Rs.4,92,485/- (Salary deposited directly to JRF personal account after 10% deduction from April 2024 - March 2025) =Rs. 24,09,609.50/-

10.1.5. Installment wise release:

Sl. No.	Installment	Sanctioned order	Date	Date of receipt of fund

1.	1,05,000/-	(F.No.8-11003/5/9/2017-AIIA/760)	08/06/2018	12/06/2018
2.	1,25,000/-	(F.No.B-11003/5/9/2017-AIIA/4195)	31/01/2019	25/01/2019
3.	1,00,000/-	(F.No.B/11003/5/9/2017-AIIA/Fin./527)	30/05/2019	28/05/2019
4.	1,00,000/-	(F.No.B/110035/5/9/2017-AIIA/Fin./1194)	24/07/2019	26/07/2019
5.	1,50,000/-	T-12012/2/2019-DCC (AYUSH), dated 13 th August 2019	05/11/2019	07/11/2019
6.	2,60,000/-	(F.No.B-11003/5/9/2017-AIIA/Fin./926	05/08/2020	07/08/2020
7.	50,000/-	F.No.B-11003/5/9/2017-AIIA/Fin.-Payment/949	7/07/2021	07/07/2021
8.	1,25,000/-	F.No.B-11003/5/9/2017-AIIA/Fin.-Payment/2741	22/11/2021	22/11/2021
9.	1,00,000/-	F.No.B-11003/5/9/2017-AIIA/Fin.-Payment/3594	19/01/2022	19/01/2022
10.	2,00,000/-	F.No.B-11003/5/9/2017-AIIA/Fin.-Payment/1401	04/07/2022	04/07/2022
11.	1,90,000/-	F.No.B-11003/5/9/2017-AIIA/Fin.-Payment/2969	23/09/2022	26/09/2022
12.	25,000/-	Mail Dated 30 th November 2023	30/11//2023	30/11//2023
13.	25,000/-	Mail Dated 15 th January 2024	15/01/2024	15/01/2024
14.	3,89,131/-	Salary Deposited directly to JRF personal account (April 2023-March 2024)		
15.	50,000/-	Mail dated 2024	12/06/2024	12/06/2024
16.	Rs.4,92,485/-	Salary Deposited directly to JRF personal account (April 2024-March 2025)	-	-

10.1.6. Total Misleading Advertisements Reported : 101

10.1.7. ADR Reported : 12

10.1.8. CME/ Awareness Programmes Conducted : 22

10.1.9. Articles published : 01 (+2 in press)

10.1.10. Participation in training programme : 03

10.1.11. Participation in CME as resource person : 03

Centre of Excellence (CoE) in Research and Clinical services for Madhumeha (Diabetes mellitus)

1. Background:

Central Ayurveda Research Institute was awarded “Centre of Excellence in Research and Clinical services for Madhumeha (Diabetes mellitus)” by the Ministry of AYUSH, Govt of India in March 2021. The total fund sanctioned is Rs.7,24,80,400/- for a duration of four years (3+1year extension upto March 2023 due to Covid pandemic). The scheme got initiated in April 2021. With one year extension during Covid 19 i.e. 2022-23, the project will be technically getting completed during March 2025. The Ministry has been requested for the extension of the project on no additional cost basis to complete 2 clinical trials that are initiated during last year and sanction letter for the extension received on 12-03-2025 for a period of one year.

Fund release details since inception:

Instalments released	Total amount released	Date of Sanction
1 st Instalment	Rs.2,88,00,000/- *	05.03.2021
1 st part of 2 nd Instalment	Rs. 20,00,000/-	20.01.2023
2 nd part of 2 nd Instalment	Rs. 50,00,000/-	03.07.2023
3 rd part of 2 nd Instalment	Rs. 1,04,86,200/-	08.11.2023
4 th part of 2 nd Instalment	Rs. 1,01,60,000	16.07.2024

* Rs.1,92,160/- was returned to the Ministry on 16-06-2021 as per the Ministry's directions dated 15-06-2021.

2. Summary of achievements against deliverables (April 2024 to March 2025):

The Centre of Excellence scheme was sanctioned to CARI, Bengaluru with the following deliverables and targets for the second year (funds released in 4 instalments). Achievements against deliverables are tabulated below:

Sl. No.	Deliverables	Achievements under the CoE scheme
1.	Validation of Ayurveda approaches for Diabetes mellitus and documentation of outcome of approaches – 200 patients	<ul style="list-style-type: none"> Treatment approaches 1021 OPD patients have been documented and validation of outcome of 200 patients completed (against the target of 200 patients) during the reporting period.
2.	Prevention and management of Diabetes with multi-speciality approach of 500 pre-diabetics and diabetics	<ul style="list-style-type: none"> A total of 902 patients were under Multi specialty care during the reporting period. Yoga training to patients with special reference to diabetes management - 97 patients got benefited Number of patients of Diabetes managed with combination of Modern medicine and Ayurveda is 805 Patients are also managed by different specialists of Ayurveda such as Shalya tantra (Diabetic foot, Diabetic ulcer, Venous insufficiency, anorectal disorders, Diabetic carbuncles etc.)- more than 312 patients got benefited

		<ul style="list-style-type: none"> • Shalakya tantra (Diabetic retinopathy, cataract, hearing loss, tinnitus, periodontitis, gingivitis etc.)- more than 286 patients got benefited • Panchakarma- more than 72 patients got benefited
3.	Initiation of Clinical trials for 2 selected anti-diabetic formulation	<ul style="list-style-type: none"> • Enrolments of 2 clinical projects initiated during the reporting period are completed and analysis are under progress (details are given below). • One more Clinical trial by including advanced outcome parameters such as gut microbiome has been initiated on 2 shortlisted formulations, finalised based on results of animal studies and pilot clinical trials and 52 patients enrolled during the reporting period out of 120 sample size. • Collaboration is with IISc and Samatvam, Bengaluru.
4.	Development of SOPs for 2 ready-to-eat/cook food recipes through scientific validation	<ul style="list-style-type: none"> • SOPs for 2 ready-to-cook food recipes are developed in collaboration with Centre for Incubation, Innovation, Research and consultancy (CIIRC), Bengaluru. Products are developed by Himalaya wellness Company on pro-bono basis. • Clinical trial to evaluate two ready to cook dietary supplements for its antidiabetic property in patients of type - 2 diabetes mellitus has been initiated and 74 patients are enrolled during the reporting period.
5.	Training on diabetes and diet to public and patients– 10 camps	<p>Conducted 30 trainings (in total) against the target of 10</p> <ul style="list-style-type: none"> • 10 Diabetes awareness talks for general public were conducted at various locations in Bengaluru with total beneficiaries being 748 (target has already been achieved in the previous year only). • In the previous year, 10 special training programmes were conducted for patients of Diabetes at CARI Hospital focussing on understanding Diabetes, Diet in Diabetes and Lifestyle modifications in Diabetes with total beneficiaries – 282. • 10 special training programmes were conducted for patients of Diabetes at CARI Hospital focussing on understanding Diabetes, Diet in Diabetes and Lifestyle modifications in Diabetes with total beneficiaries –347 during the reporting period.
6.	Training for UG/PG students of Ayurveda- 10 programmes	<ul style="list-style-type: none"> • 10 training programmes on Research methodology, Biostatistics, Chromatographic techniques and comprehensive management of Diabetes were conducted for Final year UG/First year PG students from different colleges of Karnataka with total number of trainees – 490.
7.	e-healthcare initiatives- development of portal for interaction with patients or community through SMS alerts, tele-	<p>E- health coverage is extended to more than 4,00,000 population</p> <ul style="list-style-type: none"> • Institute website www.cari.gov.in is fully functional with total impressions of 1,86,683 during the reporting period. • Lab and pharmacy data management software coverage is more than 39,000.

	consultation, maintenance of online medical record of 500 patients with population coverage of 10000	<ul style="list-style-type: none"> • Teleconsultation portal is operating over the website since the month of January 2023 and 124 patients were registered under the teleconsultation portal during the reporting period • Patient data of 1021 OPD patients is being maintained digitally during the reporting period • COE you tube channel is functional for reaching out to wider population https://www.youtube.com/channel/UC3TBI39pJCDvKRqUQculpSg • Risk assessment portal is developed and made available in the institute website for the viewers to assess the risk of Diabetes
8.	Yoga training camps to public and patients – 10 camps	<ul style="list-style-type: none"> • 12 Yoga camps are conducted at CARI Hospital and in outreach camps with total beneficiaries 325 (target has already been achieved in the previous year).
9.	Networking with local governance for camps – 30 camps	<ul style="list-style-type: none"> • A total of 30 camps focussing mainly on Diabetes screening and management were conducted under the CoE scheme with total beneficiaries 915 ((target has already been achieved in the previous year)
10.	Development of 5 IEC materials, audio visual aids	<ul style="list-style-type: none"> • 10 IEC materials for general public are developed and uploaded on our website and social media platforms. • COE you tube channel is functional for reaching out to wider population https://www.youtube.com/channel/UC3TBI39pJCDvKRqUQculpSg • Interviews with experts related to different aspects of Diabetes and video related to Diabetic diet are created for the CoE YouTube channel and 6 videos uploaded and are available on website and in CARI social media platforms

3. Comprehensive report

The report is broadly put under the heads of Clinical Services, Outreach camps, Trainings and Research Activities, Upgradation of the Institute, Scientific Publications, IEC materials and expenditure details.

3.1. Clinical services:

3.1.1. Special OPD for Diabetes:

Under the scheme, a specialized OPD for patients of Madhumeha is made functional since 22nd July 2021. The patients are provided with free consultation, medicines, laboratory investigations and food & lifestyle counselling. The specialized OPD has catered to 1574 diabetic patients and 8198 follow-up visits offering Ayurveda treatment totalling up to 9772 visits during the reporting period. 3400 patients have had free laboratory investigations under the scheme. An extensive and detailed data was collected from all the patients attending the special diabetes OPD under CoE, which was digitally managed using e-formats.

Department	Male	Female	Total
OPD New patients	891	683	1574
OPD Follow-up patients	4739	3459	8198
Total	5630	4142	9772

3.1.2. Yoga advocacy:

Free yoga classes were conducted at CARI Hospital and 194(for both OPD and IPD) patients have benefitted during the reporting period. Classes are conducted under the guidance of professional Yoga teachers. A specialized Yoga module for Diabetes has been developed and is being instructed to patients of Diabetes on a regular basis. Translation of Common Yoga Protocol into Kannada has been done and in circulation.

3.1.3. Outreach Camps:

Diabetes health camps were conducted from time to time to screen patients for diabetes and diabetic-related issues, provide health-related education, doctor consultation, distribute medicines to treat diabetic and pre-diabetic problems and refer patients to the hospital for further follow-ups as needed. These camps were based on diabetes care and awareness concepts, facilitating the general population to learn how to manage diabetes. Patients were motivated and supported by peers and devoted experts. 30 Medical camps were conducted under CoE, with the number of beneficiaries totalling 915 (target has already achieved in the previous year).

Sl. No.	Date	Camp location in Bengaluru	Beneficiaries		
			Male	Female	Total
1	25.05.2023	Maruti nagar, Utharahalli	5	16	21
2	16.06.2023	Nayandahalli	4	18	22
3	23.06.2023	BESCOM, Talaghattapura	30	0	30
4	18/07/2023	BBMP office, Vijayanagar	15	31	46
5	26/07/2023	Kengeri, Satellite Town	28	17	45
6	11/08/2023	Kaggalipura Police station	18	3	21
7	17/08/2023	Jain temple, Kaggalipura	6	16	22
8	17/08/2023	Shanthi Dama Old age home	7	15	22
9	24/08/2023	Anganwadi Maruthi nagara	15	21	36
10	24/08/2023	Ashraya seva trust	2	32	34
11	31/08/2023	Thulasi matta	19	13	32
12	01/09/2023	Tulasi Matta, Agara	16	20	36
13	02/09/2023	Tulasi Matta, Agara	14	17	31
14	23/09/2023	Royal palms layout, 1 block	8	14	22
15	23/09/2023	Royal palms layout, 2 block	06	23	29
16	23/09/2023	Royal palms layout, 3 block	09	13	22
17	30/09/2023	Vasudevapura	09	12	21
18	30/09/2023	Veerabadraswamy temple	07	14	21
19	11/10/2023	Kasturamma badavane, Kengeri	10	08	18
20	20/10/2023	Nayandadahalli	05	32	37
21	28/10/2023	Anjanapura	09	14	23
22	03/11/2023	Jawaharlal Nehru Centre For Advanced Scientific Research JNCASR –batch 1	24	15	39
23	03/11/2023	JNCASR- batch 2	22	17	39
24	6/11/2023	CSIR - National Aerospace Laboratories (NAL)	26	10	36
25	6/11/2023	CSIR - National Aero–batch 1space Laboratories (NAL) - batch 2	24	11	35

26	8/11/2023	CSIR Fourth Paradigm Institute	11	13	24
27	24/11/2023	RV College (Department Civil engineering) –batch 1	20	07	27
28	24/11/2023	RV College (Mechanical engineering) - batch 2	19	08	27
29	24/11/2023	RV College (Electrical engineering) –batch 3	15	23	38
30	20/01/2024	Sri Shanimahatma Temple	30	29	59
Total			433	482	915

3.1.4. e-Healthcare initiatives:

Under the Centre of excellence scheme a static website www.cari.gov.in has been functional for the promotion and introducing e-healthcare initiatives, compliant with Digital India, to reach out to wider population. Total population coverage under e-healthcare initiatives is 239689 during the reporting period.

Sl. No.	Initiative	Population coverage
1	e-Medical records (OPD)	1021
2	Website impressions	186683
3	Teleconsultation	124
5	Social media reach	1409
6	AYUSLAB-Clinical lab	8820
7	AYUSLAB-Pharmacy	41632
	Total beneficiaries	239689

3.2. Training programmes:

Training programmes were conducted in two categories viz. 1. For patients 2. For public 3. For yoga 3. For Ayurveda UG/ PG students.

3.2.1. Training Programs for patients:

Ten training programmes for patients at CARI Hospital about Diabetes, its diagnosis, prevention and management through diet and lifestyle followed by special training on food recipes and diet in Diabetes with total beneficiaries -347

Sl. No.	Date	Resource person	Participants
1	30/04/2024	Dr. Chandini Chandrasekharan, Consultant CoE, CARI, Bengaluru	30
2	21/05/2024	Dr. Vrinda SRF, CoE, CARI, Bengaluru	30
3	11/06/2024	Dr. Chandini Chandrasekharan Consultant CoE, CARI, Bengaluru.	35
4	03/07/2024	Dr. Vrinda SRF, CoE, CARI, Bengaluru	31
5	06/08/2024	Dr. Chaitra Consultant CoE, CARI, Bengaluru	35
6	10/09/2024	Dr. Sharada SRF, CoE, CARI, Bengaluru	39
7	22/10/2024	Dr. Poorvi SRF, CoE, CARI, Bengaluru	28

8	27/11/2024	Dr Chaithra Rao Consultant CoE, CARI, Bengaluru	39
9	9/12/2024	Dr Sharada, SRF, CoE, CARI, Bengaluru	40
10	10/12/2024	Dr Poorvi SRF, CoE, CARI, Bengaluru	40
		Total	347

3.2.2. Training Programs for general public:

Ten training programmes for general public to raise awareness about Diabetes, its diagnosis, prevention and management through diet and lifestyle led by Dr. Sulochana Bhat, the PI of the scheme with total beneficiaries-748 (target has already achieved in the previous year)

Sl.No.	Date	location in Bengaluru	Resource person	Participants
1	23/06/2023	BESCOM office, Thalagattapura	Dr. Kavya, Dr. Monica	30
2	18/07/2023	BBMP office, Vijayanagar,	Dr. Kavya N	46
3	11/08/2023	Kaggalipura Police station	Dr Vrinda	21
4	17/08/2023	Shantidhama Old age home	Dr Kavya N	22
5	24/08/2023	Anganawadi, Maruti Nagar	Dr kavya N	36
6	24/08/2023	Ashraya Seva trust	Dr Chandni	34
7	21/09/2023	Students of Jyoti Institute of Technology- batch 1	Dr. Chandini Chandrashekar	45
8	21/09/2023	Students of, Jyoti Institute of Technology- batch 2	Dr. Kavya	38
9	21/09/2023	Students of Jyoti Institute of Technology- batch 3	Dr. Vrinda	34
10	23/09/2023	Royal palms layout, 1 st block	Dr. Kavya	22
11	11/10/2023	Kasturamma badavane, Kengeri	Dr. Vrinda	18
12	20/10/2023	Nayandadahalli	Dr. Kavya N	37
13	28/10/2023	Anjanapura, Bengaluru	Dr. Chandini	23
14	31/10/2023	Endocrinology Centre, Marenahalli	Dr. Vrinda Dr. Sharada	150
15	03/11/2023	Jawaharlal Nehru Centre for Advanced Scientific Research	Dr. Kavya N	78
16	6/11/2023	CSIR - NAL	Dr. Chandini	90
17	8/11/2023	CSIR Fourth Paradigm Institute	Dr. Kavya N	24
Total				748

3.2.3. Yoga Training Camps:

Twelve Yoga training camps were held at various places in and around CARI Hospital with an intention to introduce Yoga and lifestyle changes in Diabetic and pre-diabetic populations with total beneficiaries -325(target has already achieved in the previous year)

Sl. No	Details	Location	Date	Beneficiaries
1.	Yoga training for KIIMS MBBS Internees	CARI, Hospital	4/04/2023	24
2.	Yoga training for KIIMS MBBS Internees	CARI, Hospital	18/04/2023	28
3.	Yoga training for KIIMS MBBS Internees	CARI, Hospital	25/04/2023	4
4.	Yoga training of patients and attenders	CARI, Hospital	29/05/2023	24
5.	Yoga training and attenders	CARI, Hospital	30/05/2023	32
6.	Yoga training of the officers & staff	BESCOM Office, Thalaghatapura	23/06/2023	30
7.	Yoga training of police personnel	Police station, Kaglipura	8/08/2023	35
8.	Yoga training of police personnel	Police station, Kaglipura	11/8/2023	21
9.	Yoga for elderly	Shantidhama Old age home	17/08/2023	22
10.	Yoga for elderly	Ashraya seva trust, Bengaluru	24/08/2023	34
11.	Yoga training of the officers & staff	NAL- batch 1	6/11/2023	36
12.	Yoga training of the officers & staff	NAL- batch 2	6/11/2023	35
		Total		325

3.2.4. Training Programs for students:

Ten training programmes have been conducted for the students from different Ayurveda colleges of Karnataka regarding research methodology, biostatistics, chromatography techniques and comprehensive management of Diabetes mellitus which was attended by a total of 490 students under the mentorship of Dr. Sulochana Bhat.

Sl. No.	Date	Title	Resource persons	College	Participants
1	18/05/2024	Research Methodology	Dr. Chandini Chandrasekharan	Sri Sri Ayurveda Medical college and hospital, Bangalore	51
		Biostatistics	Ms. Anjana K S		
		HPTLC	Mrs. Supriya		
		Comprehensive Management of Diabetes mellitus	Dr. Vrinda		
2	28/05/2024	Research Methodology	Dr. Sharada Anand	Government Ayurveda Medical College, Bangalore	42
		Biostatistics	Ms. Anjana K S		

		HPTLC	Mrs. Supriya		
		Comprehensive Management of Diabetes mellitus	Dr. Poorvi Priscilla A		
3	22/06/2024	Research Methodology	Dr. Vrinda	Ramakrishna Ayurveda Medical College, Bangalore	42
		Biostatistics	Ms. Anjana K S		
		HPTLC	Mrs. Supriya		
		Comprehensive Management of Diabetes mellitus	Dr. Chandini Chandrasekharan		
4	24/06/2024	Research Methodology	Dr Chaithra Rao P	SDM Institute of Ayurveda & Hospital, Bangalore	47
		HPTLC	Mrs. Supriya		
		Comprehensive Management of Diabetes mellitus	Dr. Poorvi Priscilla A		
5	25/06/2024	Research Methodology	Dr. Sharada Anand	S D M Institute of Ayurveda & Hospital, Bangalore	50
		HPTLC	Mrs. Supriya		
		Comprehensive Management of Diabetes mellitus	Dr. Vrinda		
6	16/07/2024	Research Methodology	Dr. Vrinda	Achutha Ayurveda Medical College, Hospital and Research Centre, Bengaluru	45
		HPTLC	Mrs. Supriya		
		Comprehensive Management of Diabetes mellitus	Dr. Chandini Chandrasekharan		
7	27/07/2024	Research Methodology	Dr Chaithra Rao P	Adichuchanagiri Ayurvedic Medical College, Bengaluru (Batch 1)	41
		Biostatistics	Ms. Anjana K S		
		HPTLC	Mrs. Supriya		
		Comprehensive Management of Diabetes mellitus	Dr. Vrinda		
8	03/08/2024	Research Methodology	Dr. Chandini Chandrasekharan	Adichuchanagiri Ayurvedic Medical College, Bengaluru (Batch 2)	49
		Statistics	Ms. Anjana K S		
		HPTLC	Mrs. Supriya		
		Comprehensive	Dr. Vrinda		

		Management of Diabetes mellitus			
9	01/10/2024	Research Methodology	Dr. Sharada	KTG Ayurvedic Medical College, Bengaluru	44
		Statistics	Ms. Anjana		
		HPTLC	Mrs. Supriya		
		Comprehensive Management of Diabetes mellitus	Dr. Chaithra Rao		
10	14/11/2024	Introduction to Research Methodology	Dr. Nagesh, Retd Emeritus Professor, Dayananda sagar college of Dental science, Bengaluru	1. Hill side Ayurveda Medical College, Bengaluru 2. Shri Shri Ayurveda Medical College, Bengaluru 3. Shri Kalabhairaveswara Ayurveda Medical College, Bengaluru	79
		Emerging Trends in Diabetes management – An evidence-based approach to prevention and control	Dr. S. Srikanta, Endocrinologist, Samatvam endocrinology centre, Bengaluru		
Total					490

3.3. Research activities

The research activities under the CoE are being carried out under different sub-heads.

3.3.1. Drug development: The Centre of Excellence was mandated to initiate clinical trials on the shortlisted formulations during the reporting period.

During the previous years, 567 formulations pertaining to *Prameha* were compiled from 16 Ayurveda treatises. 150 single plants indicated in *Prameha* from 16 Nighantus were also compiled. Out of this search, four formulations having ingredients with known antidiabetic activity were short listed for pre-clinical studies. The literature search including Ayurveda texts and published research article of individual ingredients of selected 4 formulations were done.

Sl. No	Formulation	Reference	Ingredients	Botanical source	Part used
1.	Varadi Kvatha (Kashaya kalpana)	<ul style="list-style-type: none"> Sharangadhara Samhita-Madhyama Khanda - 2/108, Gada Nigraha Kayachikitsakhand - 	Hareetaki	<i>Terminalia chebula</i> Retz	Fruit
			Vibhitaki	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Fruit
			Amalaki	<i>Phyllanthus emblica</i> L.	Fruit
			Daru haridra	<i>Berberis aristata</i> DC.	Heartwood/Bark
			Musta	<i>Cyperus rotundus</i> L.	Rhizome

		Pramehadhikara - 30 – 57 • Bhaishajya Ratnavali-Pramehadhikara	Devadaru	<i>Cedrus deodara</i> (Roxb. ex D.Don) G.Don	Heartwood
2.	Mustadi Kvatha (Kashaya kalpana)	• Gada nigraha-Kayachikitsakha nda - Pramehadhikara - 30 – 90	Musta	<i>Cyperus rotundus</i> L.	Rhizome
			Indrayava	<i>Holarrhena antidysenterica</i> (Roth) Wall. ex A.DC.	Seeds
			Devadaru	<i>Cedrus deodara</i> (Roxb. ex D.Don) G.Don	Heartwood
			Hareetaki	<i>Terminalia chebula</i> Retz	Fruit
			Vibhitaki	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Fruit
			Amalaki	<i>Phyllanthus emblica</i> L.	Fruit

Based on the leads collected from the literature, outcome of animal study conducted at Nagpur Veterinary College and pilot studies conducted at CARI, two formulations (Varadi kwatha and Mustadi kwatha) with the following details were finalised for further clinical trial by using advanced outcome parameters such as gut microbiome.

These two formulations have been manufactured at Central Ayurveda Research Institute, Jhansi, in the form of Ghanavati. Standards and SoP for preparation are developed by CCRAS-CARI Jhansi. During the current year, both these formulations are taken up further for the clinical trial by using advanced outcome parameters such as gut microbiome and 27 patients enrolled during the reporting period.

3.3.2. Clinical Research project: 04 research projects are undergoing as detailed below

3.3.2.1 Study title: Evaluation of bio-availability of Varadi and Mustadi ghana vati in healthy volunteers-A cross-over randomized clinical trial

- Principal investigator –Dr. Sulochana Bhat
- IEC obtained – F. No. 6-60/2022-23/CARI/BNG/CoE/2725 dt 22.02,2024
- CTRI registration – CTRI/2024/03/064377 on 19-03-24
- Date of initiation: 29-03-2024

The study is taken to evaluate the bio-availability of the above said drugs. Gallic acid has been used as the standard comparator. Study involves healthy human volunteers (n=12) receiving the test formulations in a cross over design. Varadi Ghana vati and Mustadi Ghana vati in the dose of 2000mg will be administered (on two different days with a washout period in between). Blood will be drawn at 7 different intervals on a single day from the volunteers. Separated plasma from the blood will be used for HPLC and HPTLC analysis to assess the bio-availability of gallic acid in the test formulations. Study will be conducted on two different days with a wash out period of a minimum of seven days.

Status: Enrolment completed, plasma samples have been collected and stored in -80 freezer, analysis of all the samples in HPTLC and HPLC is being conducted.

Total no of subjects screened	Total no of subjects enrolled	Total no of subjects completed	Total no of subjects dropped out
24	12	12	0

3.3.2.2. Study title: Evaluation of two ready-to-cook dietary supplements for its anti-diabetic property in patients of type-2 diabetes mellitus -A Randomized control trial

- Principal investigator: Dr. Sulochana Bhat
- Co-investigator: Dr. Shubhashree MN, Dr. Vrinda
- IEC Obtained: F. No. 6-60/2022-23/CARI/Bng/COE/2726 dt 22.02.2024
- CTRI registration: CTRI/2024/03/064207 on 15-03-24
- Date of initiation: 30-03-2024

A randomized control clinical trial to evaluate the efficacy of two ready-to-cook dietary supplement namely Yavadi soopa and Khadiradi yoga on blood glucose levels and agni. The sample size is 78 with three groups (26 in each group). Each group will be asked to retain their treatment and diet as it is. Group-1 is the control group, group 2 and group 3 will receive Yavadi soopa and Khadiradi yoga respectively as an adjuvant diet supplement. Fasting blood glucose in the range 150-200 mg/dL and/or post prandial glucose of 180-300 mg/dL will be included in the study. Study period is of 42 days with 21day interval of follow up. FBS, PPBS, Plasma Insulin, HOMA IR and other safety parameters along with DSQ (Diabetes Symptom Questionnaire) and SNAQ (Simplified nutritional appetite questionnaire) will be evaluated in this study. Its effect on Agni and acceptability of the new form will also be assessed.

Status: Ongoing

Total no of subjects screened	Total no of subjects enrolled	Total no of subjects completed	Total no of subjects dropped out
116	74	35	9

3.3.2.3. Study title: Safety and efficacy of Mustadi ghana vati and Varadi ghana vati in Madhumeha/ type-2 diabetes mellitus: An open labelled randomized controlled active comparator (Metformin) Phase-II study.

- Principal investigator: Dr. Sulochana Bhat
- Co-investigator: Dr. SH. Doddamani, Dr. Poorvi
- IEC Obtained: F. No. 6-60/2022-23/CARI/Bng/COE/2727 dt 22.02.2024
- CTRI registration: CTRI/2024/03/064184 on 15-03-24
- Date of initiation: 27-03-2024

The study is envisaged to assess the safety and anti-diabetic efficacy of two classical Ayurveda poly-herbal formulations, Mustadi ghana vati and Varadi ghana vati in 120 drug naive patients of type-2 diabetes mellitus in comparison with Metformin (active comparator). The assessment parameters include glycaemic parameters, drug safety and gut microbiome studies.

Status: Ongoing

Total no of subjects screened	Total no of subjects enrolled	Total no of subjects completed	Total no of subjects dropped out
69	52	1	8

3.3.2.4. Occurrence of diabetic peripheral neuropathy and its relationship with Prakriti among type-2 diabetic patients – A cross-sectional study.

- Principal investigator – Dr. Vidya Anchan
- Co-investigator – Dr. Chandini Chandrasekharan
- IEC Obtained – F. No. 6-60/2022-23/CARI/Bng/COE/2724 dt 22.02.2024

- CTRI registration – CTRI/2024/03/064317 on 18-03-24
- Date of initiation: 27-03-2024

A cross-sectional observational study will be conducted at CARI hospital among all adult known type-2 diabetic patients attending the out-patient department. After obtaining the written informed consent, a detailed medical history (disease and drug) and physical examination will be performed for eligible patients. All the enrolled patients will be subjected to a structured questionnaire, HbA1c, RBS, neurological examination, INLOW'S 60-second diabetic foot screening and Prakriti assessment. The main objective of this study is to determine the occurrence of diabetic peripheral neuropathy and its relationship with Prakriti among type-2 diabetic patients. It is also intended to determine the risk factors associated with diabetic peripheral neuropathy, classify the risk for diabetic foot ulceration and amputation among type-2 diabetic patients. The total study period will be 12 months with a sample size of 400.

Status – Enrolment completed, analysis is under progress

3.3.3. Food development for diabetes:

The Centre of Excellence is mandated to develop 2 ready to cook/eat food recipes for clinical trials. Collaboration with Centre for Incubation, Innovation, Research and consultancy (CIIRC), Bengaluru has been done through MoU. Discussions were held with scientists of NIN- Hyderabad, Ayurveda experts for development of ready to eat / cook anti-diabetic food preparations, based on the extensive literature search and Ayurveda principles of *pathyaahara*. Among them, 2 preparations were finalised which include Yavadi soopa (soup powder) and Khadiradi yoga (developed in the form of ready to dissolve pellets), their quality has also been ensured. Extraction of ingredients of Khadiradi yoga and its manufacturing (pellets) was done by Himalaya Wellness Company and Yavadi soopa (soup powder) was manufactured at CIIRC for free of cost and have been taken up for clinical trial and 30 patients enrolled during the reporting period.

a. Food formulation-1 - Khadiradi yoga- dispersible pellets

Formulation	Reference	Ingredients	Botanical source	Part used	Ratio
Khadiradi yoga	Chakradatta-Prameha chikitsa-35-18/pg 216	Kadara	<i>Acacia polyantha</i> Wild.	Bark	1 part
		Khadira	<i>Acacia catechu</i> (L.f.) Willd.	Heartwood	1 part
		Puga	<i>Areca catechu</i> L.	Nut	1 part
Indication: Kshoudra meha					

b. Food formulation-2-Yavadi soopa (ready to mix soup powder)

Formulation	Reference	Ingredients	Botanical source	Part used	Ratio
Yavadi soopa	Anubhoota yoga	Yava	<i>Hordeum vulgare</i> L.	Seeds	1 part
		Kulatha	<i>Macrotyloma uniflorum</i> (Lam.) Verdc	Seeds	1 part
		Mudga	<i>Vigna radiate</i> (L.) Wilczek	Seeds	1 part

3.3.4. Technical collaborations (continued from previous years):

- MoU signed with Government Ayurveda Research Centre, Mysore (for collaboration on academic programmes, research partnerships, and training).
- MoU signed with IISc Bengaluru.

- MoU signed with CSIR-Central Food Technology Research Institute Mysore.
- MoU signed with Centre for Incubation Innovation Research and Consultancy (CIIRC).
- MoU signed with Samatvam Endocrinology Diabetes Center Bengaluru.
- Our advisory panel has the experts from NIMHANS, Bengaluru, Bangalore Medical College, Karnataka Institute of Diabetology, ICMR- NIN Hyderabad, National Centre for Cell Science (NCCS) Pune and Interactive Research School for Health Affairs (IRSHA) Pune.
- We also work closely with the Panchayat, Anganwadi, near by Community Health Centre, Primary Health Centre - for outreach activities, referrals etc.
- CCRAS-CARI Jhansi is our partner in preparation of standardised medicines. Himalaya Wellness Company has prepared the extracts and manufactured one of the food formulations.

3.3.5. IEC materials

The below IEC materials have been developed and are being distributed to public at CARI Hospital, and the soft copies are available on the website. The IEC materials and the videos of interviews with experts related to different aspects of diabetes and diabetic diet (prepared during previous years) are also available on website as well as in CARI social media platforms.

- Diabetic eye care charts for patients
- Diabetic foot care charts for patients
- Diabetic skin care charts for patients
- IEC material on FAQs (Essentials of Madhumeha and its management)
- Flyer on Gestational Diabetes Mellitus in Kannada
- Mustadi ghanavati and Varadi ghanavati in diabetes
- Easy Yoga capsule in diabetes
- Risk factors of Type 11 diabetes
- Alarming signals of Madhumeha (diabetes)
- Chemistry behind familiar antidiabetic drugs

3.3.6. Upgradation of the Institute

- Hospital services:
 - ECG machine was purchased under CoE scheme for the upgradation of the Institute.
 - Nurse call system multiuser was purchased under CoE scheme and installed for IPD section of the hospital.
- Botany section- upgradation of herbal garden.
- Drug Standardisation unit - Lab consumables were purchased under CoE scheme for the conduction of analysis in HPTLC and DSRU units.
- Software purchased- STATA/SE 18 statistical software installed on 27.12.2024 to carry out plan the research studies and analyse the data.
- Maintenance of website and e health services is ongoing.

3.3.7. Expenditure details

The total expenditure by the end of financial year 2024-25 is as below under different heads.

Sub-heads	Total sanctioned in Rs.	Total expenditure in Rs.	Balance in Rs.
Salary	1,19,55,797.50	86,13,089.00	4,800.00
Non-recurring		2,06,60.00	
Recurring		31,31,308.50	

Total	1,19,55,797.50	1,19,50,997.50	4,800.00
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3.3.8. Scientific Publications during reporting period

Sl.No.	Title	Journal	Authors	Status
1.	A comparative phytochemical analysis and HPTLC fingerprinting of ardraka and shunti in different dosage forms and its relation to diabetes	International Journal of Ayurveda and Pharma Research	1. Dr. Vrinda 2. Mrs.H S Supriya 3. Dr. Sulochana Bhat	Published
2.	Non-vegetarian diet as a risk factor of type 2diabetes: A retrospective study of cross-sectional population in Bengaluru	International Journal of Research in Ayurveda and Pharmacy	1. Dr. Chandini Chandrasekharan 2. Dr. Sulochana Bhat 3. Dr. Raghavendra Naik 4. Ms. Anjana K S	Published
3.	Impact of yoga on glucose reduction: A pilot study	International Journal of Yogic, Human Movement and Sports Sciences	1. Monica K P 2. Dr. Sulochana Bhat 3. Dr. Chandini Chandrasekharan 4. Ms. Anjana K S	Published
4.	Correlation between Knowledge attitude and Practice related to diabetes involving two Ayurveda and allopathy hospitals.	Journal of Integrated Health Sciences	1. Dr. Vrinda 2. Dr. Sulochana Bhat 3. Dr Monica K P 4. Dr Kavya 5. Ms. Anjana K S	Published
5.	Knowledge, attitude and practice related to diabetes with reference to Ayurveda and yoga	Indian Journal of Health sciences and Biomedical Research (KLEU)	1. Dr. Vrinda 2. Dr. Sulochana Bhat 3. Ms. Anagha Jenu 4. Dr. Kavya 5. Dr. Monica K P	Under review
6.	Study Protocol of a randomized open-labeled trial to validate the efficacy and safety of two instant beverages as adjuvant therapy in type-2 diabetes mellitus.	Journal of Indian system of Medicine	1. Dr. Vrinda 2. Dr. Sulochana Bhat 3. Dr. Kavya 4. Ms. Anjana K S	Under review
7.	Effect of four ayurvedic formulations on Streptozotocin-Induced diabetic Wistar rats	AYUHOME	1. Dr. Sharada Anand 2. Dr. Sulochana Bhat 3. Ms. Anjana K S	Under review

7.3. Survey of Medicinal Plants Unit (SMPU)

I. Brief resume of work carried out since inception:

1) Name of the forest areas/division/range covered:

Sl. No	Year	Name of the district	Name of the forest division	Forest areas (ranges/beats) surveyed
1.	1971-1972	Bengaluru	Bengaluru	Bannerghatta, Suvarnamukhi
		Chickmagaluru	Chikmagaluru	Charmadi ghats, Moodigere, Bhagavathi vally, Malleswara
			Koppa	Gangamool, Kigga forests
		Chamarajnagar	Chamarajnagar	Attikan (B R Hills), Karti kere, Honnamatti, Bedgudi, kati devar gudi forest (B R Hills)
			Kollegal	Bedaguli, Gopal swamy hills forests
		Mysore	Mysore	Kakanakote forests
2.	1972-1973	Chickmagaluru	Chickmagaluru	Charmadi ghats, Kudure Mukh, Begaru, Bhairapura, Magundi, Balehole-Kalasa, Sonanakadu, Hondagane, Bhagavathi, Yelnir ghat
		Chamrajnagar	Kollegal	Arakanakadu, Kuppe betta, Palar river, malai Mahadeshwara hills forests, K.Gudi, B. R. Hills
3.	1973-1974	Chickmagaluru	Chickmagaluru	Keseve, Keseve-halag, Kumbar gundi-Talabidare, Kage mane giri, Keseve-Mald Kargalebyle (Muthodi & Hebbe)
		Shimoga	Bhadra Wild life	Baba budan hills, Kalhattigiri, Hebbe forest, Shankar shoal forest (Tarikere range), Bhadra Sanctuary, Lakkavalli state forest
		Chamarajanagar	B R wild life	B R hills
			Bandipura	Gopala swamy hills
			Kollegal	Malai Mahadeshwara hills
		Mysore	Hunsur	Kakanakote forest
		Chickmagalur	Chickmagalur	Thungabhadra, Narasimhaparvatha, Kigga forest, Hirebyle, Samse
4.	1974-1975	Tumkur	Tumkur	Huliyur durga, Ugne, Devarayana durga, Kollikallu, Siddarabetta, Madhugiri, Timlapuara
		Chickmagaluru	Chickmagaluru	Charmadi ghats, Kottigehar, Muthodi, Kesuve-Yelnir ghats, Samse and Malleshwar
		Koppa	Koppa	Gangamoola forest, Kerekatte
		Shimoga	Bhadra Wild life	Baba budan hills, Sankashola, Suklahatti Kalhattigiri, Lakavalli state forest
5.	1975-1976	Kameng district (Arunachal Pradesh)	Kameng	Kameng district forest

		Nilgiris (TN)	Nilgiris	Nilgiris forest
6.	1976-1977	Tumkur	Tumakur	Forest of Bukkapatna, Manchaladorai, Kollikallu, Devarayan durga and Huliya Durga state forest
		Coorg	Virajpet	Pattikat reserve forest, Talacauvey, Urty ghat, Bhagamandala-Karika-Kerty ghat, Kakabbe-Aramane
		Bengaluru	Bengaluru	Bannerghatta
7.	1977-1978	Coorg	Virajpet	Kadamakkal, Pattikat, Sampaje, Anekad, Athur, Kushal nagar, Mathikode reserve forests
		Mysore	Hunasur	Thithimathi
8.	1978-1979	Tumakaur	Tumakur	Huliya durga state forest, manchaladorai state forest, Kolikallu state forest, Timlapura state forest, Devarayan durga state forest
		Hoshangabadh (MP)	Hoshangabadh	Pachmarhi areas
		Annupur (MP)	Annupur	Amarakantak areas
		Satna (MP)	Satna	Chitrakoot areas
9.	1979-1980	Tumakur	Tumkur	Bannehalli, Hosahalli, Kondli cross, Kalasapura, Chickmagalur Range, Kadur Camp, Yemmedoddi, Kadur range
		Chickmagalur	Chickmagalur	Gunavati, Koppa, Adada, Hariharapura, Kuskal, Chikkagrahara, Muttikoppa, Aramballi, NR Pura Range, Mallandura, Aaduvalli-Kalale, Chickagrahara, Mudigere-NR pura transit Honnur
10.	1980-1981	Andaman & Nicobar	Andaman and Nicobar	Andaman and Nicobar
		Ramanagar	Cauvery Wild life	Manjunatha state forest, Bididale, kanakapura range
11.	1981-1982	Ramanagar	Cauvery Wild life	Bididale, Sangam forest
		Coorg	Virajpet	Kerty reserve forest towards thovtipalam, Forest towards sollekal, Between kerty and Irti, Towards Wottekalli
12.	1982-1983	Coorg	Mercara	Mattara, Brahmagiri, Irupu, Srimangala, Birunani, nagar Hole, Kushala Nagar, Mercara, Talcauvery, Jodapala, Kakabbe
		Bengaluru	Bengaluru	Bannerghatta
13.	1983-1984	Coorg	Mercara	Kundalli, Heggade mane, Pusphagiri, Shanthalli, Abbi, Tadiandamole, kakabbe, Bhagamandal, Talacauvery, Karika, Sidapura, Mercara, Nagarhole, Birunani, Makut,

				Brahmagiri, Srimangala, Sampaje, Somavarapet, Koothi, Jakkanahalli, Jodapaala
			Virajapet	Sulya, Karike, Virajapet, makut, Shanivarshanth, Napoklu, Kakabbe, Sollekoli, Wotekoli, Macut state border, Arabbi tittu, Koottu hole
14.	1984-1985	Coorg	Madikeri	Somvarpet, Shanivar santhe, gangavar, Igoor, Mercara, sampaje, Jodupala, Nagarahole, Kutta
			Virajpet	Shrimangala, Virajpet, Sollekalli, Wottekalli, Makutta
15.	1985-1986	Coorg	Coorg	Coorg
		Kolar	Kolar	Nandi hills, Haristhal, Nadagudi, Kaivar, Kolar, Mulabaga, Nagali, Srinivasapura, Ramachandrapura, Sololadappandoddi, Maravapalli, Bhagepalli, CB pura, Narasimha betta, Varlakonda, KR Pura
		Chikkaballapur	Chikkaballapur	Chikkaballapur
16.	1986-1987	Kolar	Kolar	Solalappana dinne, Haristhala, Kanive, Nandi hills
		Coorg	Virajpet	Makut-Virajpet, Somavarpet, Kundalli, Shanthalli, Abbe Falls
			Madikeri	Mercara, Bhagamangala, Talacauvery, Napoklu, Karike, Nagarahole, Irpu, Kutta
17.	1987-1988	Shimoga	Shimoga	Theertha halli, Nagara-Sampekatte, Hulikal Ghats, Nagodi-Sampekatte, Agumbe, Masthikatte-Yedur, Hulikalghats, Sampekatte, Hosanagar-Humcha-Nivane, Sampekatte-Nittur, Chakranagar, Begar-Agumbe, Hosanagar, Wotekalli-Makut, Shanthalli-Puspagiri
18.	1988-1989	Shimoga	Shimoga	Indnodi, Nagara, Nagodi, Mastikatte, Tankebailu, Yedur, Hulikal, Savehaklu, Hosanagar, mavinhole, Linganhalli, Sorab, Holekoppa, Sampegudda, Kuppegadde, Talaguppa, Hiremane, Kargal, Jog, Kumsi, Anandapur, Hosagadde, Agumbe, Kundadri
			Sagar	Sagar, Tagartha, Inchavalli, Shikaripur, Nagavalli, Govardhan giri, Kogar, Sampekatte, Kodachadri, Nagara, Hulikal ghats, Agumbe, Onakabbe falls
19.	1989-1990		No survey tours conducted	
20.		Shimoga	Sagar	Joga surrounding, Hosanagar

	1990-1991		Shimoga	Kodachadri range, Nagara fort, Agumbe
21.	1991-1992	North Canara	Sirsi	Hulikal, Kolbis cross, Khurse ghats, Bandal Ghats, Unchalli, Janmane, Mavingudi forest, Magodu falls,
			Yellapur	Ganesh Gudi, Anshi ghat, Patoli, Gund forest
		Shimoga	Shimoga	Agumbe forest
		Ramanagar	Ramanagar	Savanadurga
		Bengaluru rural	Bengaluru rural	Thippagondanahalli, Muthyal madu, Anekal
22.	1992-1993	North Canara	Dandeli	Patoli, Guad, dandeli, Kulgi forest, Anshi ghats, Kumbarwada
			Karawar	Karwar, Gokarna
		Bengaluru	Bengaluru Rural	Muthyalamadu, Tippagondanhalli,
		Ramnagar	Ramanagar	Savanadurga, Magadi, Ramanagaram, Kanva
23.	1993-1994	-	-	No Survey tours conducted
24.	1994-1995	Uttara Kannada	Sirsi	Sisri-Yellapur, Bedati, Hunesettikoppa, Sidligundi, Kyakodu, Bhatkal, Hejjulu, Karni, Ganesh gudi, Ramanagar, Patoli, Kanasi, Arebail, Bisgod, Sathodi
25.	1995-1996	Uttara Kannada	Dandeli	Dandeli, Patoli, Ansi Ghats, Siddapur
			Sirsi	Sirsi
		Belgaum	Belgaum	Castle rock, Supa, Tinnai ghats
26.	1996-1997	Uttara Kannada	Dandeli	Dandeli, Tinaighats, Sintheri rocks, Ulavi, Hadsa-Joida, Berchi-Ganesh Gudi, Anmod Ghats
			Sisri	Sirsi, Sisri-Yellapur
			Yellapur	Yellapur, sathodi, Magodu, Patoli, Gokarna
			Honnavaara	Honnavaara, Gersoppa
27.	1997-1998	-	-	Medico Botanical tour was suspended
28.	1998-1999	Belgaum	Belgaum	Kulgi, Anashi, Supa, Belgaum, Khanapur, Tinnai ghat, Londa, Vercaud, AnmolHemmadaga, Jagal, Nagaragali
		Uttara Kannada	Dandeli	Dandeli
29.	1999-2000	Belgaum	Belgaum	Naagaragali, Kanakumbi, jamboti, Mahadayi
30.	2000-2001	Belgaum	Belgaum	Pandhari river, Tinnai ghats, Hemadaga, Khanapur, Nagaragali, Londa, Astholi, Anamod, Durki river
			Gokak	Gokak, Thukkanetti,

31.	2001-2002	Belgaum	Belgaum	Naagaragali, Hemmadga, Khanapur, Jamboti, Castle rock, Anmod, Jaglebet and Ramanagra
32.	2002-2003	Belgaum	Belgaum	Anmod lower and Upper, jamboti, Kanakumbi, Castle rock, Savaragaali, Khanapur, Kumbarda, Nagaragali, Shirol, Hemmadaga
33.	2003-2004	Belgaum	Belgaum	Londha range, Khanapur, Pandhari river bank (Londha), Khanapur Belgaum road, Bidi.
34.	2004-2005	South Canara	Udupi	Halakkihole, Ballala, Kambradi, Kundapura
		South Canara	Mangalore	Anjheri camp, Moodibidre, Hatti angadi,
35.	2005-2006	South Canara	Mangalore	Sulliya, Kumar Parvata, Subramanya, Pottur, Panja
36.	2006-2007	Hassan	Hassana	Bellur and Halebeedu (Pushpagiri) forest range, Hagare reserve forest, Rama devar hally reserve forest
37.	2007-2008	Hassan	Hassana	Shakleshpura and Alur forest ranges
38.	2008-2009	Mandya	Mandya	Hulikere lower and upper block Mandya range, Srirangapattan, Maddur, Melkote, K R Pet ranges
39.	2009-2010	Mandya	Mandya	Naagamangala & Malavalli forest ranges
		Chitradurga	Chitradurga	Chitradurga, Hodalkere, Molakalmuru, Chelikere, Hosadurga & Hiriyur forest ranges
40.	2010-2011	Dharawad	Dharawad	Kalaghatagi, Hubli and Darawad forest ranges
41.	2011-2012	Bellary	Bellary	Bellary, Hospet, Sandur, Kudligi, Hadagali, Hagari bommanalli ranges
42.	2012-2013	Davanagere	Davanagere	Davangere, Harappanahalli, Honnali & Jagalur ranges
		Haveri	Haveri	Hanagal, Haveri, Herikerur and Shiggaon ranges
43.	2013-2014	Gadag	Gadag	Gadag, Mundargi, Shirhatti and Ron forest ranges
		Koppal	Koppal	Koppal, Gangavati and Kushtagi forest ranges
44.	2014-2015	Bagalkot	Bagalkot	Bagalkot, Hunagund, Badami, Jamakhandi, Mudhol, Bilagi forest ranges
		Raichur	Raichur	Raichur, Lingasugur, Devadurga, Sindhanur and Manvi forest ranges
45.	2015-2016	Kolar	Kolar	Malur, Kolar, Mulbagalu, Bangarpet, Srinivasapura
		Vijayapura	Vijayapura	Sindagi, Bagevadi, Bijapur, Indi and Muddebihal

46.	2016-2017	Kalaburagi	Kalaburagi	Sedum, Kalaburagi, Aland and Chincholi ranges
		Bidar	Bidar	Aurad, Humnabad, Basavakalyan, Bhalki and Bidar
47.	2017-2018	Hassan	Hassan	Arsikere, Alur, Belur, Yeslur, Sakleshpur, Hassan, Holenarsipur, Chennarayapatna forest ranges
		Yadgir	Yadgir	Shorapur and Yadgir forest ranges
48.	2018-2019	Dakshina Kannada	Dakshina Kannada	Mangalore, Belthangady, Sullia, Uppinangady, Puttur, Bantwal, Subramanya, Panja ranges
		Udupi	Udupi	Udupi, Byndoor, Kundapura, Shankaranayana, Hebri, , Karkala, Moodibidri, Venoor ranges
49.	2019-2020	-	-	No survey tour conducted
50.	2020-2021	-	-	No survey tour conducted
51	2021-22	Bagalkot and Raichur Vijayapura Kolar	Bagalkot&Raichur Vijayapura Kolar	1 MEBS tour in Bagalkot and Raichur districts 1 MEBS tour in Vijayapura district 1 MEBS tour in Kolar district
52	2022-23	Kolar Kalaburagi Bidar Yadgir Hassan	Kolar Kalaburagi Bidar Yadgir Hassan	1 MEBS tour in Kolar district 1 MEBS tour in Kalaburagi and Bidar districts 1 MEBS tour in Yadgir district 1 MEBS tour in Hassan district
53	2023-24	Dakshnia Kannada&Udupi Hassan	Dakshnia Kannada & Udupi Hassan	1 MEBS tour in Dakshnia Kannada & Udupi districts 1 MEBS tour in Hassan district
54	2024-25	-	-	02 survey tours conducted in Hassan district to document wild edible plants under IMR project
Special tours:		Nilgiris- South and North divisions Andaman & Nicobar Islands. Madhya Pradesh, Arunachal Pradesh Siddarabatta Hills (Tumkur District) Karnataka State (in 2005-06)		

- 2) Total number of specimens collected : 33858
- a) Plant origin : 33836
- b) Mineral origin : 20
- c) Animal origin : 02
- 3) Total number of
- a) Families collected : 229
- b) Genera collected : 2042
- c) Species collected : 2782
- 4) Total number of plant specimen in the herbarium : 44471

- 5) Total number of Index Cards prepared : nil
- 6) Total number of drug samples in the museum : 784
- a) Plant origin : 762
- b) Mineral origin : 20
- c) Animal origin : 02
- 7) Total number of mounted plant specimens identified and not yet added to the herbarium (accession number not given) : nil
- 8) Total number of unmounted specimens not identified : nil
- 9) Details of medicinal plants (used in Ayurveda & Siddha system of medicine collected and their frequency status in the area)
- 10) Rare, Endangered or Threatened medicinal plants collected (please provide the details i.e name of the plant, family, part used, place of collection, threat status etc. in tabular form): nil

II. Details of the work carried out during the year 2024-25.

a) Areas surveyed during the reporting period:

Sl. No.	Name of the areas surveyed	Survey dates	No. of days (including journey)	No. of photographs documented
1.	Survey and documentation of wild edible plants from local markets in Hassan district	25.11.2024 to 27.11.2024	3 days	Information on 02 edible uses were documented from local markets of Hassan district
	Journey from CARI Bengaluru to Hassan and night stay.	25.11.2024	Day-1	
	Conducted survey in Sakleshpura area local markets of Hassan district and documented wild edible plants along with photographs and herbarium.	26.11.2024	Day-2	
	Return journey from Hassan to CARI Bengaluru	27.11.2024	Day-3	
2.	Survey and documentation of wild edible plants from local markets in Hassan district	03.02.2025 to 06.02.2025	4 days	Information on 03 edible uses were documented from local markets of Hassan district
	Journey from CARI Bengaluru to Hassan and night stay	03.02.2025	Day-1	
	Conducted survey in Sakleshpura area local markets of Hassan district and documented wild edible plants along with photographs and herbarium	04.02.2025	Day-2	
	Conducted survey in Bisleghat forest areas of Hassan district and documented wild edible plants	05.02.2025	Day-3	

	Journey from Hassan to CARI Bengaluru	06.02.2025	Day-4	
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b) Short tours (crude drug collection tours) conducted during 2024-25:

Sl. No.	Name of the areas surveyed	Date	Number of specimens / raw drugs/museum samples collected (kg)
1.	Doddaballapura and Yelahanka surrounding areas	01.05.2024	Total 4.00 kg fresh crude drugs belonging to 2 plant species were collected
2.	Doddaballapura and Yelahanka surrounding areas	25.06.2024	Total 7 kg fresh crude drugs belonging to 2 plant species were collected
3.	Hassan district and surrounding forest areas	20.05.2024 22.05.2024	Total 9.600 kg fresh crude drugs belonging to 6 plant species were collected
4.	Hassan district and surrounding forest areas	10.07.2024- 12.07.2024	Total 27.000 kg fresh crude drugs belonging to 3 plant species were collected
5.	Doddaballapura and surrounding forest areas	05.09.2024	Total 8.00 kg fresh crude drugs belonging to 1 plant species were collected
6.	Hassan district and surrounding forest areas	11.09.2023- 13.09.2023	Total 39.00 kg fresh crude drugs belonging to 4 plant species were collected
7.	Devarayanadurga and surrounding forest areas	21.11.2024	Total 10.00 kg fresh crude drugs belonging to 4 plant species were collected
8.	Doddaballapura and surrounding forest areas	22.11.2024	Total 7.000 kg fresh crude drugs belonging to 2 plant species were collected
9.	Hassan district and surrounding forest areas	25.11.2024- 27.11.2024	Total 7.00 kg fresh crude drugs belonging to 2 plant species were collected
10.	Kanakapura and surrounding forest areas	30.11.2024	Total 26.00 kg fresh crude drugs belonging to 8 plant species were collected
11.	Doddaballapura and surrounding forest areas	07.12.2024	Total 14.500 kg fresh crude drugs belonging to 5 plant species were collected
12.	Gadag, Koppal and Vijayanagar districts	17.12.2024- 20.12.2024	Total 32.500 kg fresh crude drugs belonging to 3 plant species were collected
13.	Doddaballapura and surrounding forest areas	18.01.2025	Total 6.000 kg fresh crude drugs belonging to 1 plant species were collected
14.	Doddaballpur surrounding areas	22.03.2025	Total 15.000 kg fresh crude drugs belonging to 3 plant species were collected
15.	Hassan district and surrounding forest areas	24.03.2025- 26.03.2025	Total 7.000 kg fresh crude drugs belonging to 3 plant species were collected

c) Tour wise details of herbarium specimens collected : 68 specimens under THCRP program

d) Total number of:

- i) families of the collected specimens : 27 families
- ii) genera of the collected specimens : 55 genera
- iii) species of the collected specimens : 61 species

- e) Total number of plant specimens mounted for herbarium : 68 specimens
- f) Total number of plant specimens added to herbarium : 68 specimens
- g) Total number of seed samples added to the museum : nil
- h) Total number of mounted plant specimens identified
and not added to the herbarium : nil
- i) Total number of unmounted specimens not identified : nil

j) Details of crude drug samples collected/procured and supplied during 2024-25:

Sl. No.	Sanskrit Name	Botanical Name	Part	Quantity collected		Quantity supplied	To whom	Purpose of supply	Balance (kg)
				Fresh wt. (kg)	Dry wt. (kg)	Dry wt. (kg)			
1.	Salaparni	<i>Alysicarpus vaginalis</i> (L.) DC.	Whole plant	1.000	-	0.120	CARI, Kolkata	IMR Project	0.000
2.	Champaka	<i>Michelia champaca</i> L.	Flower	1.000	-	0.290	RARI, Jammu	IMR Project	0.000
3.	Pitakanchnara	<i>Bauhinia racemosa</i> Lam.	Flower	1.000	-	0.300	RARI, Jammu	IMR Project	0.000
4.	Bakula	<i>Ixora coccinea</i> L.	Flower	1.000	-	0.350	RARI, Jammu	IMR Project	0.000
5.	Ashvattha	<i>Ficus religiosa</i> L.	Stem bark	3.000	-	1.700	UAS, Bengaluru	Collaborative project	0.000
6.	Udumbara	<i>Ficus racemosa</i> L.	Stem bark	3.000	-	1.600	UAS, Bengaluru	Collaborative project	0.000
7.	Parisha	<i>Thespesia populnea</i> Sol. ex Corrêa	Stem bark	6.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
8.	Vasa	<i>Justicia adhatoda</i> L.	Flower	0.100	-	-	-	-	0.50
9.	Vasa	<i>Justicia adhatoda</i> L.	Aerial part	0.100	-	-	-	-	0.100
10.	Asana	<i>Pterocarpus marsupium</i> Roxb.	Stem	2.500		1.800	CARI Bengaluru	IMR project	0.000
11.	Asana	<i>Pterocarpus marsupium</i> Roxb.	Stem bark	1.500		0.950	CARI Bengaluru	IMR project	0.000
12.	Asana	<i>Pterocarpus marsupium</i> Roxb.	Heart wood	2.000		1.500	CARI Bengaluru	IMR project	0.000
13.	Tulasi	<i>Ocimum sanctum</i> L.	Leaf	0.500	-	0.100	Ministry of Ayush	-	0.000
14.	Ashwagandha	<i>Withania somnifera</i> (L.) Dunal	Root	0.300	-	0.100	Ministry of Ayush	-	0.000
15.	Bala	<i>Sida cordifolia</i> L.	Root		30.000	30.000	CARI, Jhansi	IMR Project	0.000
16.	Bakula	<i>Mimusops elengi</i> L.	Flower	0.500	-	0.120	RARI, Jammu	IMR Project	0.000
17.	-	<i>Cipadessa baccifera</i> Miq.	Root	3.000	-	1.800	RARI, Pune	IMR Project	0.000
18.	Raktavalli	<i>Ventilago maderaspatana</i> Gaertn.	Leaf	1.000	-	0.650	RARI, Pune	IMR Project	0.000

19.	Raktavalli	<i>Ventilago maderaspatana</i> Gaertn.	Stem	2.000	-	1.300	RARI, Pune	IMR Project	0.000
20.	Vatvrksha	<i>Ficus benghalensis</i> L.	Stem bark	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
21.	Vitanah	<i>Mitragyna parvifolia</i> (Roxb.) Korth	Flower	1.000	-	0.520	RARI, Jammu	IMR Project	0.000
22.	Plaksha	<i>Ficus virens</i> Aiton.	Stem bark	2.500	-	1.500	UAS, Bengaluru	Collaborative project	0.000
23.	Kamala	<i>Nelumbo nucifera</i> Gaertn.	Flower	2.000	-	0.470	RARI, Jammu	IMR Project	0.000
24.	Potagala	<i>Typha elephantina</i> Roxb.	Flower	1.000	-	0.420	RARI, Jammu	IMR Project	0.000
25.	Kumbi	<i>Careya arborea</i> Roxb.	Fruit	3.000	-	-	-	-	Infected
26.	Varahakanda	<i>Dioscorea alata</i> L.	Tuber	1.000	-	-	-	-	Planted
27.	Patha	<i>Cissampelos pariera</i>	Root	0.100	-	-	-	-	0.50
28.	Amalah	<i>Phyllanthus emblica</i> L.	Fruit	-	0.500	0.500	CARI, Patiala	IMR Project	0.000
29.	Bhringiraj	<i>Eclipta prostrata</i> (L.) L.	Whole plant	2.000	-	0.500	CARI, Patiala	IMR Project	0.000
30.	Ushira	<i>Vetiveria zizanioides</i> (L.) Stapf.	Flower	1.000	-	0.350	RARI, Jammu	IMR Project	0.000
31.	Bhringiraj	<i>Eclipta prostrata</i> (L.) L.	Flower	1.000	-	0.110	RARI, Jammu	IMR Project	0.000
32.	-	<i>Orthosiphon aristatus</i> (Blume) Miq.	Whole plant	2.000	-	0.200	CSMCARI, Chennai	IMR Project	0.000
33.	Danti	<i>Baliospermum montanum</i> Müll.Arg.	Seed	0.500	-	0.250	CSMCARI, Chennai	IMR Project	0.000
34.	Atibala	<i>Abutilon indicum</i> (L.) Sweet	Fruit	2.000	-	1.000	CSMCARI, Chennai	IMR Project	0.000
35.	-	<i>Scaevola taccada</i> (Gaertn.) Roxb.	Aerial part	1.200	-	0.850	RARI, Pune	IMR Project	0.000
36.	Ashvattha	<i>Ficus religiosa</i> L.	Stem Bark (Mature Branch)	3.000	-	1.200	UAS, Bengaluru	Collaborative project	0.000
37.	Ashvattha	<i>Ficus religiosa</i> L.	Stem Bark (Young Branch)	3.000	-	0.800	UAS, Bengaluru	Collaborative project	0.000
38.	Udumbara	<i>Ficus racemosa</i> L.	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
39.	Udumbara	<i>Ficus racemosa</i> L.	Stem Bark (Young Branch)	3.000	-	1.000	UAS, Bengaluru	Collaborative project	0.000
40.	Charudaru,	<i>Thespesia populnea</i> Sol. ex Corrêa	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
41.	Charudaru,	<i>Thespesia populnea</i> Sol. ex Corrêa	Stem Bark	3.000	-	1.500	UAS, Bengaluru	Collaborative	0.000

			(Young Branch)					project	
42.	Vata	<i>Ficus benghalensis</i> L.	Stem Bark (Mature Branch)	3.000	-	1.500	UAS, Bengaluru	Collaborative project	0.000
43.	Vata	<i>Ficus benghalensis</i> L.	Stem Bark (Young Branch)	2.000	-	1.300	UAS, Bengaluru	Collaborative project	0.000
44.	Kutaja	<i>Holarrhena pubescens</i> Wall. & G.Don	Flower	1.000	-	0.420	RARI, Jammu	IMR project	0.000
45.	Khadira	<i>Acacia catechu</i> (L.f.) Willd.	Heart wood	12.00 0	-	7.000	CARI, Bengaluru	CoE Project	0.000
46.	Kadara	<i>Acacia polyantha</i> A.Spreng.	Bark	12.00 0	-	7.000	CARI, Bengaluru	CoE Project	0.000
47.	Puga	<i>Areca catechu</i> L.	Fruit		7.000	7.000	CARI, Bengaluru	CoE Project	0.000
48.	Plaksa	<i>Ficus virens</i> W.T Aiton	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
49.	Plaksa	<i>Ficus virens</i> W.T Aiton	Stem Bark (Young Branch)	3.000	-	0.900	UAS, Bengaluru	Collaborative project	0.000
50.	Patala	<i>Stereospermum colais</i> (Buch.-Ham. ex Dillwyn) Mabb.	Stem Bark	20.000	-	15.000	CARI, Jhansi	Project	0.000
51.		<i>Bixa orellana</i> L.	Flower	1.000	-	-	-	-	Infected
52.	Danti	<i>Baliospermum montanum</i> (Willd.) Müll.Arg.	Whole plant	5.000	-	-	-	-	2.000
53.	Bhringaraj	<i>Eclipta prostrata</i> (L.) L.	Whole plant	2.000	-	-	-	-	1.000
54.	Datura	<i>Datura metel</i> L.	Seeds	0.700	-	-	-	-	0.200
55.	Satahva	<i>Anethum graveolens</i> L.	Fruit		1.500	1.500	CARI, Patiala	IMR Project	0.000
56.	Madana	<i>Catunaregam spinosa</i> (Thunb.) Tirveng.	Fruit	-	1.500	1.500	CARI, Patiala	IMR Project	0.000
57.	Pushkar	<i>Inula racemosa</i> Hook.f.	Root	-	1.500	1.500	CARI, Patiala	IMR Project	0.000
58.	Chitraka	<i>Plumbago zeylanica</i> L.	Root	-	1.500	1.500	CARI, Patiala	IMR Project	0.000
59.	Laksha	<i>Laccifer lacca</i>	Gall	-	1.500	1.500	CARI, Patiala	IMR Project	0.000
60.	Kusha	<i>Saussurea costus</i> (Falc.) Lipsch.	Root	-	1.500	1.500	CARI, Patiala	IMR Project	0.000
61.		<i>Picrorhiza kurroa</i> Royle ex Benth	Rhizome	-	1.500	1.500	CARI, Patiala	IMR Project	0.000
62.	Vatsanabha	<i>Aconitum chasmanthum</i> Stapf ex	Rhizome	-	4.000	4.000	CARI, Jhansi	IMR Project	0.000

		Holmes							
63.	Jaypal	<i>Croton tiglium</i> L.	Seeds	-	4.000	4.000	CARI, Jhansi	IMR Project	0.000
64.	Dhattura	<i>Datura metel</i> L.	Seeds	-	4.000	4.000	CARI, Jhansi	IMR Project	0.000
65.	Kuchala	<i>Strychnos nux-vomica</i> L.	Seeds	-	4.000	4.000	CARI, Jhansi	IMR Project	0.000
66.	Bhallataka	<i>Semecarpus anacardium</i> L.f.	Fruit	-	4.000	4.000	CARI, Jhansi	IMR Project	0.000
67.	Danti	<i>Baliospermum montanum</i> Müll.Arg.	Root	-	4.000	4.000	CARI, Jhansi	IMR Project	0.000
68.	Patala	<i>Stereospermum colais</i> (Buch.-Ham. ex Dillwyn) Mabb.	Stem bark	-	10.00 0	10.000	CARI, Jhansi	Project	0.000
69.	Brihati	<i>Solanum anguivi</i> Lam.	Whole plant	-	25.000	25.000	CARI, Jhansi	Project	0.000
70.	Bhoomital	<i>Curculigo orchioidea</i> Gaertn.	Root	-	2.000	2.000	CARI, Jhansi	Project	0.000
71.	Rohisa	<i>Cymbopogon martini</i> (Roxb.) W.Watson	Leaf	-	3.000	1.000	CARI, Jhansi	Project	0.000
72.	Kiratatikta	<i>Swertia chirayita</i> (Roxb.) H.Karst.	Whole plant	-	1.000	1.000	CSMCARI, Chennai	IMR Project	0.000
73.	Parpataka	<i>Fumaria parviflora</i> Lam.	Whole plant	-	1.000	1.000	CSMCARI, Chennai	IMR Project	0.000
74.	Usira	<i>Chrysopogon zizanioides</i> (L.) Roberty	Root	-	1.000	1.000	CSMCARI, Chennai	IMR Project	0.000
75.	Brihad Ela	<i>Amomum subulatum</i> Roxb.	Fruit	-	1.000	1.000	CSMCARI, Chennai	IMR Project	0.000
76.	Amrtavalli	<i>Tinospora cordifolia</i> (Willd.) Miers	Stem	4.000	-	1.000	CSMCARI, Chennai	IMR Project	2.000
77.	Katuki	<i>Picrorhiza kurroa</i> Royle ex Benth.	Root	-	0.500	0.500	CARI, Kolkata	IMR Project	0.000
78.	Jatamansi	<i>Nardostachys jatamansi</i> (D.Don) DC.	Root	-	0.500	0.500	CARI, Kolkata	IMR Project	0.000
79.	Daruharidra	<i>Berberis aristata</i> DC.	Root	-	0.500	0.500	CARI, Kolkata	IMR Project	0.000
80.	Arjuna	<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn.	Stem bark	-	0.500	0.500	CARI, Kolkata	IMR Project	0.000
81.	Talishapatra	<i>Abies webbiana</i> (Wall. ex. D.Don) Lindl.	Stem	-	0.500	0.500	CARI, Kolkata	IMR Project	0.000
82.	Shatavari	<i>Asparagus racemosus</i> Willd.	Root	-	0.500	0.500	CARI, Kolkata	IMR Project	0.000
83.	Bharangi	<i>Clerodendrum serratum</i> Moon	Root	-	0.500	0.500	CARI, Kolkata	IMR Project	0.000
84.	Amlaparni	<i>Rheum emodi</i> Wall.	Stem	-	0.500	0.500	CARI, Kolkata	IMR Project	0.000
85.	Vridhadaru	<i>Argyreia speciosa</i> (L.f.) Sweet	Stem bark	-	0.500	0.500	CARI, Kolkata	IMR Project	0.000
86.	Tulsi	<i>Ocimum tenuiflorum</i> L.	Leaves	-	0.500	0.500	CARI, Kolkata	IMR Project	0.000

87.	Ashoka	<i>Saraca asoca</i> (Roxb.) Willd.	Stem bark	-	0.500	0.500	CARI, Kolkata	IMR Project	0.000
88.	Bala	<i>Sida acuta</i> Burm.f.	Root	2.000	-	1.000	CSMCARI, Chennai	IMR Project	0.000
89.	Ashvattha	<i>Ficus religiosa</i> L.	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
90.	Ashvattha	<i>Ficus religiosa</i> L.	Stem Bark (Young Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
91.	Udumbara	<i>Ficus racemosa</i> L.	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
92.	Udumbara	<i>Ficus racemosa</i> L.	Stem Bark (Young Branch)	3.000	-	1.200	UAS, Bengaluru	Collaborative Project	0.000
93.	Plaksa	<i>Ficus virens</i> Aitonto	Stem Bark (Mature Branch)	3.000	-	1.500	UAS, Bengaluru	Collaborative Project	0.000
94.	Plaksa	<i>Ficus virens</i> Aitonto	Stem Bark (Young Branch)	3.000	-	1.400	UAS, Bengaluru	Collaborative Project	0.000
95.	Charudaru	<i>Thespesia populnea</i> Sol. ex Corrêa	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
96.	Charudaru,	<i>Thespesia populnea</i> Sol. ex Corrêa	Stem Bark (Young Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
97.	Vata	<i>Ficus benghalensis</i> L.	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
98.	Vata	<i>Ficus benghalensis</i> L.	Stem Bark (Young Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
99.	Asana	<i>Pterocarpus marsupium</i> Roxb.	Heartwood	10.00 0	-	-			0.000
100.	Asana	<i>Pterocarpus marsupium</i> Roxb.	Stem Bark	20.000	-	-			0.000
101.	-	<i>Eichhornia crassipes</i> (Mart) Solms		1.000	-	-			0.000
102.	-	<i>Coscinium fenutratum</i> (Gaertn.) Colebr.		2.000	-	-			1.000
103.	Babbula	<i>Acacia nilotica</i> (L.) Willd. ex Delile	Fruit	4.000	-	0.500	CARI, Jhansi	IMR Project	0.000
104.	Sirisa	<i>Albizia lebbbeck</i> (L.) Benth	Whole plant	1.000	-	0.500	CARI, Jhansi	IMR Project	0.000
105.	Mahabala	<i>Ehretia microphylla</i>	Aerial part	2.000	-	-	-	-	1.000
106.	Mahabala	<i>Sida rhombifolia</i> L.	Whole plant	2.000	-	1.000	CSMCARI, Chennai	IMR Project	0.000
107.	Mahabala	<i>Sida rhombifolia</i> L.	Leaf	2.000	-	0.490	CSMCARI, Chennai	IMR Project	0.000

108.	-	<i>Hydnocarpus pentandrus</i> (Buch.-Ham.) Oken	Seeds	0.200	-	0.060	RARI, Pune	IMR Project	0.000
109.	Abha/Babbula	<i>Acacia nilotica</i> (L.) Willd. ex Delile	Stem bark	4.000	-	2.000	CARI, Kolkata	IMR Project	0.000
110.	Satavari	<i>Asparagus racemosus</i> Willd.	Root	1.000	-	0.600	CARI, Kolkata	IMR Project	0.000
111.	Atmagupta	<i>Mucuna pruriens</i> (L.) DC.	Seeds	-	2.000	2.000	CFTRI, Mysuru	Collaborative Project	0.000
112.	Shashtika shali	<i>Oryza sativa</i> L.	Seeds	-	5.000	5.000	CFTRI, Mysuru	Collaborative Project	0.000
113.	Triphala	<i>Phyllanthus emblica</i> L., <i>Terminalia bellirica</i> (Gaertn.) Roxb., <i>Terminalia chebula</i> Retz.	Powder	-	2.000	2.000	CFTRI, Mysuru	Collaborative Project	0.000
114.	Karkandu	<i>Carissa carandas</i> L.	Fruit	-	5.000	5.000	CFTRI, Mysuru	Collaborative Project	0.000
115.	Yashtimadhu	<i>Glycyrrhiza glabra</i> L.	Stolon	-	1.000	1.000	NARIP, Kerala	IMR Project	0.000
116.	Narikela	<i>Cocos nucifera</i> L.	Oil	-	10.000	10.000	NARIP, Kerala	IMR Project	0.000
117.	-	<i>Waltheria indica</i> L.	Whole plant	2.000	-	1.500	RARI, Gwalior	IMR Project	0.000
118.	-	<i>Pterolobium hexapetalum</i> (Roth) Santapau & Wagh	Whole plant	8.000	-	2.000	RARI, Gwalior	IMR Project	0.000
119.	-	<i>Stylosanthes fruticosa</i> (Retz.) Alston	Whole plant	4.000	-	2.000	RARI, Gwalior	IMR Project	0.000
120.	Guduchi	<i>Tinospora cordifolia</i> (Willd.) Hook.f. & Thomson	Stem	4.000	-	2.000	CARI, Kolkata	IMR Project	0.000
121.	Mahabala	<i>Sida rhombifolia</i> L.	Root	4.000	-	0.200	CSMCARI, Chennai	IMR Project	0.000
122.	Ghritakumari	<i>Aloe vera</i> (L.) Burm.f.	Leaf	10.000	-	-	-	-	2.000
123.	Madhunashini	<i>Gymnema sylvestre</i> R. Br.	Aerial part	3.000	-	-	-	-	0.600
124.	Kumuda	<i>Nymphaea alba</i> L.	Flower	3.000	-	0.080	RARI, Jammu	IMR Project	0.000
125.	Vrksadani	<i>Dendrophthoe falcata</i> (L.f.) Ettingsh.	Flower	1.000	-	-	-	-	0.500
126.	-	<i>Curcuma longa</i>	Rhizome (Powder)	-	0.800	0.800	CARI, Canteen	IPD purpose	0.000
127.	Atibala	<i>Abutilon indicum</i> (L.) Sweet	Flower	0.800	-	0.100	RARI, Jammu	IMR Project	0.000
128.	Plaksa	<i>Ficus virens</i> Aitonto	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
129.	Plaksa	<i>Ficus virens</i> Aitonto	Stem Bark	4.000	-	2.600	UAS, Bengaluru	Collaborative	0.000

			(Young Branch)					Project	
130.	Charudaru	<i>Thespesia populnea</i> Sol. ex Corrêa	Stem Bark (Mature Branch)	3.000	-	1.000	UAS, Bengaluru	Collaborative Project	0.000
131.	Charudaru,	<i>Thespesia populnea</i> Sol. ex Corrêa	Stem Bark (Young Branch)	4.000	-	3.000	UAS, Bengaluru	Collaborative Project	0.000
132.	Vata	<i>Ficus benghalensis</i> L.	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
133.	Vata	<i>Ficus benghalensis</i> L.	Stem Bark (Young Branch)	4.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
134.	Ashvattha	<i>Ficus religiosa</i> L.	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
135.	Ashvattha	<i>Ficus religiosa</i> L.	Stem Bark (Young Branch)	4.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
136.	Udumbara	<i>Ficus racemosa</i> L.	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
137.	Udumbara	<i>Ficus racemosa</i> L.	Stem Bark (Young Branch)	4.000	-	3.200	UAS, Bengaluru	Collaborative Project	0.000
138.	Muchkund	<i>Pterospermum acerifolium</i> (L.) Willd.	Flower	0.800	-	0.200	RARI, Jammu	IMR Project	0.000
139.	Kund	<i>Jasminum multiflorum</i> (Burm.f.) Andrews	Flower	2.000	-	0.280	RARI, Jammu	IMR Project	0.000
140.	Bakul	<i>Ixora coccinea</i> L.	Flower	0.700	-	0.150	RARI, Jammu	IMR Project	0.000
141.	Atibala	<i>Abutilon indicum</i> (L.) Sweet	Flower	0.800	-	0.050	RARI, Jammu	IMR Project	0.000
142.	Haritaki	<i>Terminalia chebula</i> Retz.	Pericarp	4.000	-	1.500	CSMCARI, Chennai	IMR Project	0.000
143.	Guduchi	<i>Tinospora cordifolia</i> (Willd.) Miers.	Stem	9.000	-	3.000	CSMCARI, Chennai	IMR Project	0.000
144.	Pippalimula	<i>Piper longum</i> L.	Stem	2.000	-	0.950	CSMCARI, Chennai	IMR Project	0.000
145.	-	<i>Hydnocarpus pentandrus</i> (Buch.-Ham.) Oken	Fruit	3.000	-	3.000	RARI, Pune	IMR Project	0.000
146.	Kusum	<i>Carthamus tinctorius</i> L.	Flower	1.000	-	0.270	RARI, Jammu	IMR Project	0.000
147.	Shatavari	<i>Asparagus gonoclados</i> Baker	Root	1.000	-	0.100	RARI Pune	IMR Project	0.000
148.	Saptala	<i>Euphorbia dracunculoides</i> Lam.	Whole plant	7.000	-	5.000	NARIP Kerala	IMR Project	0.000
149.	Agni-mantha	<i>Premna integrifolia</i> Willd.	Stem bark	2.000	-	0.500	CARI Kolkata	IMR Project	0.000

150.	Agni-mantha	<i>Premna integrifolia</i> Willd.	leaf	1.500	-	0.500	CARI Kolkata	IMR Project	0.000
151.	Bakuchi	<i>Psoralea corylifolia</i> L.	Leaf	1.500	-	0.500	CARI Kolkata	IMR Project	0.000
152.	Agasti	<i>Sesbania grandiflora</i> (L.) Poir	Leaf	2.000	-	0.500	CARI Kolkata	IMR Project	0.000
153.	Agasti	<i>Sesbania grandiflora</i> (L.) Poir	Flower	2.000	-	0.500	CARI Kolkata	IMR Project	0.000
154.	Dadima	<i>Punica granatum</i> L.	Root	1.000	-	0.340	CARI Kolkata	IMR Project	0.000
155.	Dadima	<i>Punica granatum</i> L.	Flower	1.000	-	0.180	CARI Kolkata	IMR Project	0.000
156.	Plaksa	<i>Ficus virens</i> Aitonto	Stem Bark (Mature Branch)	4.000	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
157.	Plaksa	<i>Ficus virens</i> Aitonto	Stem Bark (Young Branch)	3.000	-	1.200	UAS, Bengaluru	Collaborative Project	0.000
158.	Charudaru	<i>Thespesia populnea</i> Sol. ex Corrêa	Stem Bark (Mature Branch)	3.500	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
159.	Charudaru,	<i>Thespesia populnea</i> Sol. ex Corrêa	Stem Bark (Young Branch)	3.500	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
160.	Vata	<i>Ficus benghalensis</i> L.	Stem Bark (Mature Branch)	3.500	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
161.	Vata	<i>Ficus benghalensis</i> L.	Stem Bark (Young Branch)	3.500	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
162.	Ashvattha	<i>Ficus religiosa</i> L.	Stem Bark (Mature Branch)	3.500	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
163.	Ashvattha	<i>Ficus religiosa</i> L.	Stem Bark (Young Branch)	4.000	-	1.600	UAS, Bengaluru	Collaborative Project	0.000
164.	Udumbara	<i>Ficus racemosa</i> L.	Stem Bark (Mature Branch)	3.800	-	2.000	UAS, Bengaluru	Collaborative Project	0.000
165.	Udumbara	<i>Ficus racemosa</i> L.	Stem Bark (Young Branch)	3.500	-	1.600	UAS, Bengaluru	Collaborative Project	0.000
166.	Mustak	<i>Cyperus rotundus</i> L.	Tubers	1.500	-	0.200	CARI, Bengaluru	Collaborative Project	0.000
167.	Vidang	<i>Embelia ribes</i> Burm.f.	Fruits	-	0.200	0.200	CARI, Bengaluru	Collaborative Project	0.000
168.	Chitrak	<i>Plumbago zeylanica</i> L.	Roots	1.000	-	0.200	CARI, Bengaluru	Collaborative Project	0.000





169.	Madan	<i>Randia dumetorum</i> (Retz.) Poir.	Fruit	-	0.500	0.500	CARI Kolkata	IMR Project	0.000
170.	Bakuchi	<i>Psoralea corylifolia</i> L.	Seed	-	0.500	0.500	CARI Kolkata	IMR Project	0.000
171.	Chitraka	<i>Plumbago zeylanica</i> L.	Root	-	0.500	0.500	CARI Kolkata	IMR Project	0.000
172.	Chitraka	<i>Plumbago zeylanica</i> L.	Leaf	1.500		0.250	CARI Kolkata	IMR Project	0.000
173.	Ativasa	<i>Aconitum heterophyllum</i> Wall.	Root	-	1.000	1.000	CSMCARI, Chennai	IMR Project	0.000
174.	Musta	<i>Cyperus rotundus</i> L.	Rhizome	-	1.000	1.000	CSMCARI, Chennai	IMR Project	0.000
175.	Shunthi	<i>Zingiber officinale</i> Roscoe	Rhizome	5.000	-	1.800	CSMCARI, Chennai	IMR Project	0.000
176.	Puga	<i>Areca catechu</i> L.	Seed	-	-	0.820	CSMCARI, Chennai	AFI, Project	0.000
177.	Kapittha	<i>Limonia acidissima</i> L.	Fruit	-	-	0.860	CSMCARI, Chennai	AFI, Project	0.000
178.	Danti	<i>Baliospermum montanum</i> Muell-Arg.	Root	-	-	2.000	CSMCARI, Chennai	AFI, Project	0.000
179.	Arjuna	<i>Terminalia arjuna</i> W& A.	Leaf	-	-	1.000	CSMCARI, Chennai	AFI, Project	0.000
180.	Arka	<i>Calotropis procera</i> Aiton	Stem	-	-	2.000	CSMCARI, Chennai	AFI, Project	0.000
181.	Haridra	<i>Curcuma longa</i> L.	Rhizome		0.600	0.600	CARI, Bengaluru	IPD	0.000
182.	Kadira	<i>Acacia polyacantha</i> Willd.	Stem bark	25.000	-	-	-	-	10.000
183.	Sitapushpa	<i>Albizia lebbek</i> (L.) Benth.	Root and stem	0.500	-	-	-	-	0.200
184.	Bakuchi	<i>Cullen corylifolium</i> (L.) Medik.	Stem and root	2.000	-	-	-	-	1.500
185.	-	<i>Nymphaea rubra</i> Roxb. ex Andrews	Flowers	1.000	-	-	-	-	0.120
186.	Sahacara	<i>Barleria prionotis</i> L.	Flowers	0.400	-	-	-	-	0.050
187.	Katira	<i>Cochlospermum religiosum</i> (L.) Alston	Aerial part	4.000	-	-	-	-	0.900
188.	Amlah	<i>Phyllanthus emblica</i> L	Fruit	10.000	-	3.000	CARI, Bengaluru	CoE Project	0.000
189.	Kumbi	<i>Careya arborea</i> Roxb.	Flower	0.500	-	-	-	-	0.250
190.	Varuna	<i>Crateva magna</i> (Lour.) DC.	Flower	0.500	-	-	-	-	0.250
191.	Vata	<i>Ficus benghalensis</i> L.	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
192.	Vata	<i>Ficus benghalensis</i> L.	Stem Bark (Young Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
193.	Ashvattha	<i>Ficus religiosa</i> L.	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
















194.	Ashvattha	<i>Ficus religiosa</i> L.	Stem Bark (Young Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
195.	Udumbara	<i>Ficus racemosa</i> L.	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
196.	Udumbara	<i>Ficus racemosa</i> L.	Stem Bark (Young Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
197.	Plaksa	<i>Ficus virens</i> Aiton.	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
198.	Plaksa	<i>Ficus virens</i> Aiton.	Stem Bark (Young Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
199.	Charudaru	<i>Thespesia populnea</i> Sol. ex Corrêa	Stem Bark (Mature Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
200.	Charudaru	<i>Thespesia populnea</i> Sol. ex Corrêa	Stem Bark (Young Branch)	3.000	-	2.000	UAS, Bengaluru	Collaborative project	0.000
	Total =			456.5	151.6	339.05			24.67



k) Details of folklore claims documented:




Dr. V. Rama Rao, Research Officer (Botany) as Co-I of THCRP program actively involved in documentation, identification and authentication of botanical raw drugs used by local healers and contributed to documentation of 11 LHTs from Mysuru district during the reporting period. Mrs. Bhavana R, Research Assistant (Botany) involved in processing of herbarium specimens and accessioning.

l) Medicinal plants photographs shot during crude drug collection tours during the reporting year 2024-25:

		
Careya arboorea fruit	Cissampelos pariera root	Dioscorea alata leaf
		
Ficus virens stem	Mimosa elengi branch	Mimosa elengi flower
		
Mitragyna parvifolia flower	Nelumbo nucifera habit	Typha elephantina inflorescence
		
Acacia catechu-stem bark	Acacia polyacantha-stem bark	Holarrhena pubescens-flower

		
<i>Phyllanthus emblica</i> -fruit	<i>Scaevola taccada</i> -twig	<i>Thespesia populnea</i> -leaf
		
<i>Acacia catechu</i> stem	<i>Acacia catechu</i> leaf	<i>Baliospermum montanum</i> plant
		
<i>Bixa orellana</i> flower	<i>Datura metel</i>	<i>Eclipta prostrata</i>
		
<i>Ficus virens</i> Stem	<i>Sesbania grandiflora</i> leaf	<i>Stereospermum colais</i> Stem Bark
		
<i>Abutilon indicum</i> -flower	<i>Alocasia macrorrhiza</i> -tubers	<i>Alocasia macrorrhiza</i> -plant

		
<i>Ficus virens</i> -twig	<i>Lagenaria siceraria</i> -habit	<i>Nymphaea alba</i> -habit
		
<i>Pterolobium hexapetalum</i> -branch	<i>Stylosanthes fruticosa</i> -twig	<i>Waltheria indica</i> -branch
		
<i>Carthamus tinctorius</i> -Flower	<i>Carthamus tinctorius</i> -Habit	<i>Jasminum multiflorum</i> -Habit
		
<i>Jasminum multiflorum</i> -Flower	<i>Euphorbia dracunculoides</i> Habit	<i>Euphorbia dracunculoides</i> Plant
		
<i>Psidium guajava</i>	<i>Ziziphus rugosa</i>	<i>Remusatia vivipera</i>

		
Careya arborea-flower	Crateva magna-flower	Cyclea peltata-habi

m) Identification and Authentication of plant samples during year 2024-25:

1. Plant sample by Gautam B Lohar, M Pharm, Dept. of Pharmacology, East West College of Pharmacy, Bengaluru authenticated as *Passiflora edulis* Sims belonging to Passifloraceae (RRCBI-3133)
2. Plant sample by Meghana R, M Pharm, Dept. of Pharmac., East West College of Pharmacy, Bengaluru authenticated as *Manihot esculenta* Crantz belonging to Euphorbiaceae (RRCBI-mus168)
3. Plant sample by Milanakumar DK, M Pharm, Dept. of Pharmac., East West College of Pharmacy, Bengaluru authenticated as *Gossypium herbaceum* L. of Malvaceae (RRCBI-14429)
4. Plant sample by Neela Madhav S, M Pharm, Dept. of Pharmacology, East West College of Pharmacy, Bengaluru authenticated as *Rivina humilis* L. belonging to Petiveriaceae (RRCBI-mus514)
5. Plant sample by Nilgar Abhishek Sunil, M Pharm, Dept. of Pharmacology, East West College of Pharmacy, Bengaluru authenticated as *Justicia gendarussa* Burm. f. of Acanthaceae (RRCBI-mus513)
6. Plant sample by Parikshith S, M Pharm, Dept. of Pharmac., East West College of Pharmacy, Bengaluru authenticated as *Thespesia populnea* (L.) Sol. ex Correa of Malvaceae (RRCBI-16244)
7. Plant sample by Hemaraddi Suresh Konaraddi, M Pharm, Dept. of Pharmac., East West College of Pharmacy, Bengaluru authenticated as *Salvia hispanica* L. of Lamiaceae (RRCBI-mus189)
8. Plant sample by Shivaraj & Shashikumar, B Pharm, Dept. of Pharmac., Nargund College of Pharmacy, Bengaluru authenticated as *Centella asiatica* (L.) Urb. of Apiaceae (RRCBI-5724)
9. Plant sample by Swathi S. & Surya A., B Pharm, Dept. of Pharmac., Nargund College of Pharmacy, Bengaluru authenticated as *Solanum violaceum* Ortega of Solanaceae (RRCBI-20062)
10. Plant sample by Dasmen P, Scholar, Dept. of Pharmac., Hillside College of Pharmacy & Research Centre, Bengaluru authenticated as *Muntingia calabura* L. of Muntingiaceae (RRCBI-16245)
11. Plant sample by Gokul GJ, Scholar, Dept. of Pharmac., Hillside College of Pharmacy & Res. Centre, Bengaluru authenticated as *Moringa concanensis* Nimmo of Moringaceae (RRCBI-mus468)
12. Plant sample by Mr. M. Hemanth Kumar, Mr. Saravana P. & Mr. Bharath Kumar K., M.Sc. Biotechnology, Dept. of Biotechnology, Nrupathunga University, Bengaluru authenticated as *Alternanthera ficoidea* (L.) R. Br. belonging to Amaranthaceae (RRCBI-17252)
13. Plant sample by Meghana YA, et al., B Pharm, Dept. of Pharmac., Visveswarapura Inst. of Pharmace. Sci., Bengaluru authenticated as *Trachyspermum ammi* (L.) Spr.of Apiaceae (RRCBI-mus218)
Plant samples by Keerthana M, et al., B Pharm, Dept. of Pharmaceutical Chemistry, St. John's Pharmacy College, Bengaluru authenticated as
14. *Zingiber officinale* Roscoe belonging to Zingiberaceae (RRCBI-mus205)
15. *Nigella sativa* L. belonging to Ranunculaceae (RRCBI-mus175)
Plant samples by Priyanka H Hadimani, Postgraduate, Dept. of Conservative Dentistry & Endodontics, Dayananda Sagar College of Dental Sciences, Bengaluru authenticated as
16. *Actinidia deliciosa* (A.Chev.) C.F.Liang & A.R.Ferguson belonging to Actinidiaceae (RRCBI-mus516)
17. *Musa sapientum* L. belonging to Musaceae (RRCBI-mus144)
18. Plant sample by M. Hemanth K et al., Biotechnology, Dept. of Biotech., Nrupathunga Uni., Bengaluru authenticated as *Argemone mexicana* L. belonging to Papaveraceae (RRCBI-8075)
19. Plant sample by Purushotham H S, Researcher, Dept. of Pharmacognosy, Govt. College of Pharmacy, Bengaluru authenticated as *Syzygium cumini* (L.) Skeels of Myrtaceae (RRCBI-5418)
Plant samples by Punith S., et al., B Pharm., Dept. of Pharmaceutical Sciences, College of Pharmaceutical Sciences, DSU, Bengaluru authenticated as

20. *Acalypha indica* L. belonging to Euphorbiaceae (RRCBI-849)
21. *Azadirachta indica* A.Juss. belonging to Meliaceae (RRCBI-8970)
22. Plant sample by Manasvi Dharanish, et al., Biotechnology, Dept. of Biotechnology, Nrupathunga University, Bengaluru authenticated as *Tinospora cordifolia* (Willd.) Miers belonging to Menispermaceae (RRCBI-8976)
Plants by Naznin S, Scholar, Visveswarapura Inst. of Pharmace. Sciences, Bengaluru authenticated as
23. *Chenopodium album* L. belonging to Amaranthaceae (RRCBI-18022)
24. *Solanum lycopersicum* L. belonging to Solanaceae (RRCBI-mus246)
25. *Daucus carota* L. belonging to Apiaceae (RRCBI-mus424)
26. Plant sample by Raghavendra V, et al., Dept. of Biotechnology, Nrupathunga University, Bengaluru authenticated as *Platycladus orientalis* (L.) Franco of Cupressaceae (RRCBI-mus435)
Plant samples by Prasanna CN, Research Associate, Himalaya Wellness, Bengaluru authenticated as
27. *Tylophora indica* (Burm. f.) Merr. belonging to Apocynaceae (RRCBI-5426)
28. *Trigonella foenum-graecum* L. belonging to Fabaceae (RRCBI-mus105)
Plant sample by B Pharm, The Oxford College of Pharmacy, Bengaluru authenticated as
29. *Cucurbita pepo* L. belonging to Cucurbitaceae (RRCBI-mus179)
30. *Hibiscus rosa-sinensis* L. belonging to Malvaceae (RRCBI-1132)
31. *Salvia rosmarinus* Schleid. belonging to Lamiaceae (RRCBI-mus519)
32. *Elettaria cardamomum* (L.) Maton belonging to Zingiberaceae (RRCBI-mus335)
33. *Syzygium aromaticum* (L.) Merr. & L.M.Perry belonging to Myrtaceae (RRCBI-mus151)
34. *Ocimum tenuiflorum* L. belonging to Lamiaceae (RRCBI-19505)
35. *Vaccinium* sect. *Cyanococcus* A.Gray belonging to Ericaceae (RRCBI-mus517)
36. *Piper betle* L. belonging to Piperaceae (RRCBI-mus113)
37. *Rosa centifolia* L. belonging to Rosaceae (RRCBI-mus518)
38. *Foeniculum vulgare* Mill. belonging to Apiaceae (RRCBI-mus145)
39. *Cinnamomum verum* J.Presl belonging to Lauraceae (RRCBI-20516)
40. *Stevia rebaudiana* Bertoni belonging to Asteraceae (RRCBI-mus356)
41. Sample by Samhitha J, Scholar, Dept. of Pharmac., Visveswarapura Inst. of Pharmaceutical Sciences, Bengaluru authenticated as *Morinda citrifolia* L. belonging to Rubiaceae (RRCBI-16288)
42. Plant sample by Ms Prakruthi M, Research Scholar, Pharm D, KLE College of Pharmacy, Bangalore authenticated as *Zingiber zerumbet* (L.) Sm. of Zingiberaceae (RRCBI- 20627)
Plant samples by Mrs. Chaithra Girish, Ph.D Scholar, Dept. of Pharmacognosy, Adichunchangiri College of Pharmacy, BG Nagara, authenticated as
43. *Hedychium coronarium* J.Koenig belonging to Zingiberaceae (RRCBI-mus520)
44. *Mimosa pudica* L. belonging to Fabaceae (RRCBI-20566)
45. *Thespesia populnea* (L.) Sol. ex Correa belonging to Malvaceae (RRCBI-16244)
46. *Embelia ribes* Burm.f. belonging to Primulaceae (RRCBI-mus451)
47. *Arctium lappa* L. belonging to Asteraceae (RRCBI-mus521)
48. *Vernonia amygdalina* Del. belonging to Asteraceae (RRCBI-mus458)
49. *Alpinia calcarata* (Haw.) Roscoe belonging to Zingiberaceae (RRCBI-mus522)
50. *Curcuma caesia* Roxb. belonging to Zingiberaceae (RRCBI-mus523)
51. *Alpinia purpurata* (Vieill.) K.Schum. belonging to Zingiberaceae (RRCBI-mus524)
52. *Justicia gendarussa* Burm. f. belonging to Acanthaceae (RRCBI-mus513)
53. *Leucas aspera* (Willd.) Link belonging to Lamiaceae (RRCBI-5951)
54. *Abutilon pannosum* (G.Forst.) Schltdl. belonging to Malvaceae (RRCBI-19457)
55. *Lantana camara* L. belonging to Verbenaceae (RRCBI-15312).
56. *Plumbago zeylanica* L. belonging to Plumbaginaceae (RRCBI-20805)
57. *Azima tetracantha* Lam. belonging to Salvadoraceae (RRCBI-18763)
58. *Calotropis gigantea* (L.) Dryand. belonging to Apocynaceae (RRCBI-8770)
59. *Tinospora cordifolia* (Willd.) Miers belonging to Menispermaceae (RRCBI-8976)
60. *Jatropha gossypifolia* L. belonging to Euphorbiaceae (RRCBI-18819)
61. *Achyranthes aspera* L. belonging to Amaranthaceae (RRCBI-19094)
62. *Aloe vera* (L.) Burm.f. belonging to Asphodelaceae (RRCBI- mus109)

63. Plant sample by Amrutha RA, et al., Biotechnology, Dept. of Biotech., Nrupathunga Uni., Bengaluru authenticated as *Phyllanthus reticulatus* Poir. belonging to Phyllanthaceae (RRCBI-19927)
Plants by Meghana SR, Scholar, Adichunchangiri College of Pharmacy, BG Nagara authenticated as
64. *Solanum nigrum* L. belonging to Solanaceae (RRCBI-1896)
65. *Boerhavia diffusa* L. belonging to Nyctaginaceae (RRCBI-19937)
66. *Trigonella foenum-graecum* L. belonging to Fabaceae (RRCBI-19461)
67. Plant sample by Fauzia Shahabuddin, PG Scholar, Dept. of Tahaffuzi Wa Samaji Tib, NIUM, Bengaluru authenticated as *Artemisia absinthium* L. belonging to Asteraceae (RRCBI-mus525)
68. Plant sample by J. P. Rajeshwari, Varsha R. U., Niharika C. M., M.Sc. Biotechnology, Dept. of Biotechnology, Nrupathunga University, Bengaluru authenticated as *Cucurbita pepo* L. belonging to Cucurbitaceae (RRCBI-mus179)
69. Plant sample by Mohammed JAli Khan, M. Pharm, Dept. of Pharmac., Sarada Vilas College of Pharmacy, Mysuru authenticated as *Annona squamosa* L. belonging to Annonaceae (RRCBI-16405)
70. Plant sample by Sahana K, M. Pharm, Dept. of Pharmac., Sarada Vilas College of Pharmacy, Mysuru authenticated as *Simarouba glauca* DC. (Leaf sample) of Simaroubaceae (RRCBI-mus215)
Plant samples by Reshma Tikotikar, Ph.D Scholar, Dept. of Prasooti Tantra & Stree Roga, NKJ Ayurvedic Medical College and PG Centre Bidar, Karnataka authenticated as
71. *Woodfordia fruticosa* (L.) Kurz [Dhataki] belonging to Lythraceae (RRCBI-11885)
72. *Phyllanthus emblica* L. [Amalaki] belonging to Phyllanthaceae (RRCBI-mus237)
73. *Glycyrrhiza glabra* L. [Madhuka] belonging to Fabaceae (RRCBI-mus149)
74. *Nymphaea stellata* Willd. [Utpala] belonging to Nymphaeaceae (RRCBI-10396)
75. *Syzygium cumini* (L.) Skeels [Jambu] belonging to Myrtaceae (RRCBI-5418)
76. *Mangifera indica* L. [Amra] belonging to Anacardiaceae (RRCBI-mus110)
77. *Symplocos racemosa* Roxb. [Lodhra] belonging to Symplocaceae (RRCBI-248)
78. *Myrica esculenta* Buch.-Ham. ex D.Don [Kataphala] belonging to Myricaceae (RRCBI- mus496)
79. *Diospyros peregrina* (Gaertn.) Gurke [Tinduka] belonging to Ebenaceae (RRCBI-1159)
80. *Punica granatum* L. [Dadima] belonging to Lythraceae (RRCBI-13286)
81. *Ficus racemosa* L. [Udambara] belonging to Moraceae (RRCBI-4535)
82. *Aegle marmelos* (L.) Correa [Bilva] belonging to Rutaceae (RRCBI-9076)
83. *Sesamum indicum* L. [Tila] belonging to Pedaliaceae (RRCBI-mus24)
84. Cow milk/Goat milk [Godugdha/Ajaksheera]
85. Goat urine [Ajamutra]
86. Natural white quartz (Sphatika)
87. FeSO₄.7H₂O (Kasisa)
88. Sb₂S₃ (Srotanjana)
89. Plant by Reshma T, Scholar, Dept. of Prasooti Tantra & Stree Roga, NKJ Ayurvedic Medical College, Bidar, Karnataka authenticated as *Tecomella undulata* (Sm.) Seem. of Bignoniaceae (RRCBI-mus515)
Plants by Prasanna CN, Research Associate, Himalaya Wellness Company, Bengaluru authenticated as
90. *Bombax malabaricum* DC. belonging to Malvaceae (RRCBI-12352)
91. *Saraca indica* L. belonging to Fabaceae (RRCBI-11468)
92. *Symplocos racemosa* Roxb. belonging to Symplocaceae (RRCBI-248)
93. *Ipomoea turpethum* (L.) R.Br. belonging to Convolvulaceae (RRCBI-mus426)
94. *Aloe vera* (L.) Burm.f. belonging to Asphodelaceae (RRCBI-8952)
95. Plant sample by Mr. Siddesh MR., M. Pharm, Dept. of Pharmacology, Visveswarapura Institute of Pharmaceutical Sciences, Bengaluru authenticated as *Tinospora cordifolia* (Willd.) Miers ex Hook.f. & Thomson belonging to Menispermaceae (RRCBI-8976)
Plant samples by Prasanna CN, Research Associate, Himalaya Wellness, Bengaluru authenticated as
96. *Acacia catechu* (L.f.) Willd. belonging to Fabaceae (RRCBI-4756)
97. *Aegle marmelos* (L.) Correa belonging to Rutaceae (RRCBI-9076)
98. *Alpinia galanga* (L.) Willd. belonging to Zingiberaceae (RRCBI-mus195)
99. *Areca catechu* L. belonging to Arecaceae (RRCBI-mus114)
100. *Argyreia speciosa* (L.f.) Sweet belonging to Convolvulaceae (RRCBI-771)
101. *Asteracantha longifolia* (L.) Nees belonging to Acanthaceae (RRCBI-mus530)
102. *Bauhinia variegata* L. belonging to Fabaceae (RRCBI-1629)

103. *Berberis aristata* DC. belonging to Berberidaceae (RRCBI-mus23)
104. *Blepharis edulis* (Forssk.) Pers. belonging to Acanthaceae (RRCBI-mus529)
105. *Caesalpinia bonducella* (L.) Fleming belonging to Fabaceae (RRCBI-7621)
106. *Caesalpinia digyna* Rottler belonging to Fabaceae (RRCBI-mus528)
107. *Carica papaya* L. belonging to Caricaceae (RRCBI-mus139)
108. *Carum copticum* (L.) Benth. & Hook.f. belonging to Apiaceae (RRCBI-mus218)
109. *Commiphora mukul* Engl. belonging to Burseraceae (RRCBI-17583)
110. *Crateva magna* DC. belonging to Capparaceae (RRCBI-11815)
111. *Crocus sativus* L. belonging to Iridaceae (RRCBI-mus410)
112. *Curculigo orchoides* Gaertn. belonging to Hypoxidaceae (RRCBI-5311)
113. *Curcuma longa* L. belonging to Zingiberaceae (RRCBI-mus439)
114. *Datura metel* L. belonging to Solanaceae (RRCBI-6784)
115. *Garcinia cambogia* Roxb. (= *Garcinia cowa* Roxb.) belonging to Clusiaceae (RRCBI-7654)
116. *Gmelina arborea* Roxb. belonging to Lamiaceae (RRCBI-781)
117. *Gossypium herbaceum* L. belonging to Malvaceae (RRCBI-14429)
118. *Gymnema sylvestre* (Retz.) R.Br. ex Sm. belonging to Apocynaceae (RRCBI-10848)
119. *Hemidesmus indicus* (L.) R.Br. ex Schult. belonging to Apocynaceae (RRCBI-4961)
120. *Holarrhena antidysenterica* (G. Don) Wall. ex A. DC. belonging to Apocynaceae (RRCBI-12232)
121. *Mallotus philippensis* (Lam.) Mull.Arg. belonging to Euphorbiaceae (RRCBI-2603)
122. *Mentha arvensis* L. belonging to Lamiaceae (RRCBI-mus111)
123. *Mesua ferrea* L. belonging to Calophyllaceae (RRCBI-7658)
124. *Momordica charantia* L. belonging to Cucurbitaceae (RRCBI-mus16)
125. *Ocimum sanctum* L. belonging to Lamiaceae (RRCBI-15753)
126. *Plumbago zeylanica* L. belonging to Plumbaginaceae (RRCBI-12243)
127. *Pterocarpus marsupium* Roxb. belonging to Fabaceae (RRCBI-6732)
128. *Punica granatum* L. belonging to Lythraceae (RRCBI-13286)
129. *Rosa centifolia* L. belonging to Rosaceae (RRCBI-mus518)
130. *Sphaeranthus indicus* L. belonging to Asteraceae (RRCBI-12141)
131. *Valeriana wallichii* DC. belonging to Caprifoliaceae (RRCBI-mus390)
132. *Wrightia tinctoria* R.Br. belonging to Apocynaceae (RRCBI-20251)
133. *Abutilon indicum* (L.) Sweet belonging to Rutaceae (RRCBI-19894)
134. Plant sample by Sagari Gowda L. et al., Dept. of Biotechnology, Nrupathunga University, Bengaluru, authenticated as *Cordyline fruticosa* (L.) A.Chev. of Asparagaceae (RRCBI-mus527)
135. Plant sample by S Kavitha, Scholar, Dept. of Pharmac., Adichunchanagiri College of Pharmacy, Karnataka authenticated as *Aegle marmelos* (L.) Correa of Rutaceae (RRCBI-9076).
Plant sample by Varsha A, Venkatesh N., M.Sc. Biotechnology, Dept. of Biotechnology, Nrupathunga University, Bengaluru authenticated as
136. *Jasminum multiflorum* (Burm.f.) Andrews belonging to Oleaceae (RRCBI-251)
137. *Ocimum basilicum* L. belonging to Lamiaceae (RRCBI-5774)
138. *Eucalyptus globulus* Labill. belonging to Myrtaceae (RRCBI-17965)
Samples by Prasanna CN, Research Associate, Himalaya Wellness, Bengaluru authenticated as
139. *Albizia lebbeck* (L.) Benth. belonging to Fabaceae (RRCBI-1637)
140. *Casearia esculenta* Roxb. belonging to Salicaceae (RRCBI-7860)
141. *Syzygium cumini* (L.) Skeels belonging to Myrtaceae (RRCBI-5418)
142. *Rhus succedanea* L. belonging to Anacardiaceae (RRCBI-mus532)
143. *Rumex maritimus* L. belonging to Polygonaceae (RRCBI-mus531)
144. *Aconitum palmatum* D. Don belonging to Ranunculaceae (RRCBI-mus533)
145. Plant sample by Bharath KR., et al. Dept. of Microbiology & Biotechnology, Bangalore University, Bengaluru authenticated as *Premna serratifolia* L. belonging to Lamiaceae (RRCBI-mus445)
146. Plant sample by Meghana KV., et al., Dept. of Microbiology & Biotechnology, Bangalore University, Bengaluru authenticated as *Bauhinia purpurea* L. belonging to Fabaceae (RRCBI-14087)
147. Plant sample by Keerthana Devi., Scholar, Dept. of Pharmaceutics, College of Pharmaceutical Sciences, DSU, Bengaluru authenticated as *Pedaliium murex* L. belonging to Pedaliaceae (RRCBI-976)

- Plant sample by Supriya R, Post-graduate researcher, Dept. of Pharmacognosy, Govt. College of Pharmacy, Bengaluru authenticated as
148. *Ipomoea cairica* (L.) Sweet belonging to Convolvulaceae (RRCBI-7309)
 149. *Thespesia populnea* (L.) Sol. ex Correa belonging to Malvaceae (RRCBI-16244)
Plant sample by K B Amrutha Rathod, Post-graduate researcher, Dept. of Pharmacognosy, Govt. College of Pharmacy, Bengaluru authenticated as
 150. *Garcinia indica* (Thouars) Choisy belonging to Clusiaceae (RRCBI-11708)
 151. *Thespesia populnea* (L.) Sol. ex Correa belonging to Malvaceae (RRCBI-16244)
Plant sample by Rahnuma Anjum, PG Scholar, Dept. of Ilmu Qabalat wa Amraz e Niswan, NIUM, Bengaluru authenticated as
 152. *Lawsonia inermis* L. belonging to Lythraceae (RRCBI-5601)
 153. *Sesamum indicum* L. belonging to Pedaliaceae (RRCBI-mus24)
 154. Beeswax (*Cera alba*)
Plant sample by Faiza Shahid, PG Scholar, Dept. of Ilmu Qabalat wa Amraz e Niswan, NIUM, Bengaluru authenticated as
 155. *Acacia arabica* (Lam.) Willd. belonging to Fabaceae (RRCBI-mus280)
 156. Potassium aluminium sulphate
 157. Plant sample by Vandana Bodana, Scholar, Dept. of Ilmu Qabalat wa Amraz e Niswan, NIUM, Bengaluru authenticated as *Tamarindus indica* L. belonging to Fabaceae (RRCBI-5177)
 158. Plant sample by Samira Khatoon, Scholar, Dept. of Ilmu Qabalat wa Amraz e Niswan, NIUM, Bengaluru authenticated as *Adiantum capillus-veneris* L. belonging to Pteridaceae (RRCBI-mus303)
 159. Plant sample by Zya Shireen, PG Scholar, Dept. of Ilmu Qabalat wa Amraz e Niswan, NIUM, Bengaluru authenticated as *Borago officinalis* L. belonging to Boraginaceae (RRCBI-mus534)
Plant samples by Reshma Tikotikar, Ph.D Scholar, Dept. of Prasooti Tantra & Stree Roga, NKJ Ayurvedic Medical College, Bidar, Karnataka authenticated as
 160. *Cissampelos pareira* L. belonging to Menispermaceae (RRCBI-10897)
 161. *Syzygium cumini* (L.) Skeels belonging to Myrtaceae (RRCBI-5418)
 162. *Mangifera indica* L. belonging to Anacardiaceae (RRCBI-mus110)
 163. *Bergenia ciliata* (Haw.) Sternb. belonging to Saxifragaceae (RRCBI-mus494)
 164. *Berberis aristata* DC. belonging to Berberidaceae (RRCBI-mus23)
 165. *Hibiscus sabdariffa* L. belonging to Malvaceae (RRCBI-mus165)
 166. *Bombax ceiba* L. belonging to Malvaceae (RRCBI-12352)
 167. *Mimosa pudica* L. belonging to Fabaceae (RRCBI-10815)
 168. *Nelumbo nucifera* Gaertn. belonging to Nelumbonaceae (RRCBI-8427)
 169. *Crocus sativus* L. belonging to Iridaceae (RRCBI-mus410)
 170. *Aconitum heterophyllum* Wall. belonging to Ranunculaceae (RRCBI-mus526)
 171. *Cyperus rotundus* L. belonging to Cyperaceae (RRCBI-mus316)
 172. *Aegle marmelos* (L.) Correa belonging to Rutaceae (RRCBI-9076)
 173. *Symplocos racemosa* Roxb. belonging to Symplocaceae (RRCBI-20020)
 174. *Myrica esculenta* Buch.-Ham. ex D.Don belonging to Myricaceae (RRCBI-mus496)
 175. *Piper nigrum* L. belonging to Piperaceae (RRCBI-4644)
 176. *Zingiber officinale* Roscoe belonging to Zingiberaceae (RRCBI-mus205)
 177. *Vitis vinifera* L. belonging to Vitaceae (RRCBI-mus407)
 178. *Pterocarpus santalinus* L.f. belonging to Fabaceae (RRCBI-12941)
 179. *Ailanthus excelsa* Roxb. belonging to Simaroubaceae (RRCBI-19979)
 180. *Holarrhena antidysenterica* Wall. ex A.DC. belonging to Apocynaceae (RRCBI-12232)
 181. *Hemidesmus indicus* (L.) R.Br. ex Schult. belonging to Apocynaceae (RRCBI-4961)
 182. *Woodfordia fruticosa* (L.) Kurz belonging to Lythraceae (RRCBI-11885)
 183. *Glycyrrhiza glabra* L. belonging to Fabaceae (RRCBI-mus149)
 184. *Terminalia arjuna* (Roxb. ex DC.) Wight & Arn. belonging to Combretaceae (RRCBI-11397)
 185. Red Ochre
Plants by Silpa IS, Researcher, AL-Ameen College of Pharmacy, Bengaluru authenticated as
 186. *Musa paradisiaca* L. (AB) belonging to Musaceae (RRCBI-mus144)
 187. *Mangifera indica* L. belonging to Anacardiaceae (RRCBI-mus110)

Plant samples by Ms. Kashifa Farheen, Postgraduate Researcher, Dept. of Pharmacognosy, AL-Ameen College of Pharmacy, Bengaluru authenticated as

188. *Clitoria ternatea* L. belonging to Fabaceae (RRCBI-mus27)
189. *Rosa indica* L. belonging to Rosaceae (RRCBI-mus308)
190. *Murraya koenigii* (L.) Spreng. belonging to Rutaceae (RRCBI-mus290)
191. Plant sample by Mohd. Muzammil Mohd. Ibrahim, PG Scholar, Dept. of Tahaffuzi wa Samaji Tib, NIUM, Bengaluru authenticated as Mughat.
Samples by Mahera Samrin, Scholar, Dept. of Tahaffuzi wa Samaji Tib, NIUM, Bengaluru authenticated
192. *Viola odorata* L. belonging to Violaceae (RRCBI-mus311)
193. *Glycyrrhiza glabra* L. belonging to Fabaceae (RRCBI-mus327)
194. *Ziziphus jujuba* Mill. belonging to Rhamnaceae (RRCBI-mus4665)
195. *Cordia latifolia* Roxb. belonging to Boraginaceae (RRCBI-mus466)
196. *Vitis vinifera* L. belonging to Vitaceae (RRCBI-mus287)
197. *Cassia fistula* L. belonging to Fabaceae (RRCBI-12062)
198. *Alhagi pseudalhagi* (M.Bieb.) Desv. ex Wangerin belonging to Fabaceae (RRCBI-mus536)
199. Plant sample by Tangelloju Ajay, Scholar, Dept. of Chemical Sciences, NIPER Hyderabad authenticated as *Morus indica* L. belonging to Moraceae (RRCBI-mus535)
200. Plant sample by Muhammed Althaf M., M. Pharm, T. John College of Pharmacy, Bengaluru authenticated as *Tecoma alata* DC. belonging to Bignoniaceae (RRCBI-mus538)
201. Plant sample by Rashmi R., Scholar, Biotechnology and Food Technology, Bangalore Uni. authenticated as *Tinospora cordifolia* (Willd.) Hook.f. & Thomson of Menispermaceae (RRCBI-8976)
202. Plant sample by Bhavana V, Scholar, Dept. of Microbiology & Biotechnology, Bangalore University, Bengaluru authenticated as *Kigelia pinnata* (Jacq.) DC. of Bignoniaceae (RRCBI-mus539)
Samples by C. Raziya T, Scholar, Dept. of Tahaffuzi Samaji Tib, NIUM, Bengaluru authenticated as
203. *Foeniculum vulgare* Mill. belonging to Apiaceae (RRCBI-mus145)
204. *Artemisia absinthium* L. belonging to Asteraceae (RRCBI-mus525)
205. *Achillea millefolium* L. belonging to Asteraceae (RRCBI-mus312)
206. *Cichorium intybus* L. belonging to Asteraceae (RRCBI-mus419)
207. *Tamarix gallica* L. belonging to Tamaricaceae (RRCBI-mus318)
208. *Solanum nigrum* L. belonging to Solanaceae (RRCBI-1896)
Samples by A. Shafiullah, Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated as
209. *Viola odorata* L. belonging to Violaceae (RRCBI-mus311)
210. *Operculina turpethum* (L.) Silva Manso belonging to Convolvulaceae (RRCBI-mus426)
211. *Glycyrrhiza glabra* L. belonging to Fabaceae (RRCBI-mus327)
212. *Convolvulus scammonia* L. belonging to Convolvulaceae (RRCBI-mus540)
213. *Terminalia chebula* Retz. (Immature) belonging to Combretaceae (RRCBI-11984)
214. *Terminalia chebula* Retz. (Mature) belonging to Combretaceae (RRCBI-20117)
215. *Rosa damascena* Mill. belonging to Rosaceae (RRCBI-mus263)
216. *Senna alexandrina* Mill. belonging to Fabaceae (RRCBI-mus46)
217. Namak Sang (Plumbi oxidum)
218. Plant sample by Anil M., M. Pharm, Dept. of Pharmacology, Karnataka College of Pharmacy, Bengaluru authenticated as *Benincasa hispida* Cogn. (Peel) of Cucurbitaceae (RRCBI-mus238)
219. Plant sample by Dawa Namgyal Bhutia, M. Pharm, Dept. of Pharmacology, Karnataka College of Pharmacy, Bengaluru authenticated as *Heracleum nepalense* D.Don of Apiaceae (RRCBI-mus541)
220. Plant sample by Dyuthi HY., M. Pharm, Dept. of Pharmac., Karnataka College of Pharmacy, Bengaluru authenticated as *Epiphyllum oxypetalum* (DC.) Haw. of Cactaceae (RRCBI-mus416)
221. Plant sample by Harshitha N., M. Pharm, Dept. of Pharmacology, Karnataka College of Pharmacy, Bengaluru authenticated as *Plumeria alba* L. belonging to Apocynaceae (RRCBI-13460)
222. Plant sample by Nandini, M. Pharm, Dept. of Pharmacology, Karnataka College of Pharmacy, Bengaluru authenticated as *Benincasa hispida* Cogn. belonging to Cucurbitaceae (RRCBI-mus241)
223. Plant sample by Pavan Kumar, M. Pharm, Dept. of Pharmac., Karnataka College of Pharmacy, Bengaluru authenticated as *Calotropis gigantea* (L.) W.T. Aiton of Apocynaceae (RRCBI-8770)
224. Plant sample by Puja Bharti, M. Pharm, Dept. of Pharmacology, Karnataka College of Pharmacy, Bengaluru authenticated as *Trianthema portulacastrum* L. of Aizoaceae (RRCBI-19627)

225. Plant sample by Satyanand Sahu, M. Pharm, Dept. of Pharmacology, Karnataka College of Pharmacy, Bengaluru authenticated as *Heracleum nepalense* D.Don of Apiaceae (RRCBI-mus272)
226. Plant sample by Tanu Raj, M. Pharm, Dept. of Pharmacology, Karnataka College of Pharmacy, Bengaluru authenticated as *Bergenia ciliata* (Haw.) Sternb. of Saxifragaceae (RRCBI-mus250)
227. Plant sample by Yadav S, M. Pharm, Dept. of Pharmac., Karnataka College of Pharmacy, Bengaluru authenticated as *Abies webbiana* (Wall. ex. D.Don) Lindl. of Pinaceae (RRCBI-mus450)
Plant samples by Sumanth M.V., Senior Research Associate, Botanical Extraction Unit, Himalaya Wellness Company, Bengaluru authenticated as
228. *Datura metel* L. belonging to Solanaceae (RRCBI-6784)
229. *Wrightia tinctoria* R.Br. belonging to Apocynaceae (RRCBI-mus41)
230. *Argyrea nervosa* (Burm.f.) Bojer belonging to Convolvulaceae (RRCBI-mus09)
231. *Holarrhena pubescens* Wall. & G.Don) belonging to Apocynaceae (RRCBI-12232)
232. *Solanum xanthocarpum* Schrad. & J.C.Wendl. belonging to Solanaceae (RRCBI-17219)
233. *Eclipta alba* (L.) Hassk. belonging to Asteraceae (RRCBI-19571)
234. *Syzygium cumini* (L.) Skeels belonging to Myrtaceae (RRCBI-5418)
235. *Vernonia cinerea* (L.) Less. belonging to Asteraceae (RRCBI-19652)
236. *Crateva magna* DC. belonging to Capparaceae (RRCBI-8619)
237. *Elettaria cardamomum* (L.) Maton belonging to Zingiberaceae (RRCBI-mus335)
238. *Syzygium aromaticum* (L.) Merr. & L.M.Perry belonging to Myrtaceae (RRCBI-mus108)
239. *Pterocarpus santalinus* L.f. belonging to Fabaceae (RRCBI-12941)
240. *Hemidesmus indicus* (L.) R. Br. ex Schult. belonging to the Apocynaceae (RRCBI-4967)
241. *Mentha arvensis* L. belonging to Lamiaceae (RRCBI-mus111)
242. *Myristica fragrans* Houtt. belonging to Myristicaceae (RRCBI-mus199)
243. *Gmelina arborea* Roxb. belonging to Lamiaceae (RRCBI-781)
244. *Bauhinia variegata* L. belonging to Fabaceae (RRCBI-1629)
245. *Rubia cordifolia* L. belonging to Rubiaceae (RRCBI-10554)
246. *Rosa centifolia* L. belonging to Rosaceae (RRCBI-mus518)
247. *Psoralea corylifolia* L. belonging to Fabaceae (RRCBI-mus94)
248. *Mallotus philippensis* (Lam.) Mull.Arg. belonging to Euphorbiaceae (RRCBI-2603)
249. *Cassia fistula* L. belonging to Fabaceae (RRCBI-12062)
250. *Abutilon indicum* (L.) Sweet belonging to Malvaceae (RRCBI-4019)
251. *Cyperus scariosus* R.Br. belonging to Cyperaceae (RRCBI-mus400)
252. *Solanum nigrum* L. belonging to Solanaceae (RRCBI-1896)
253. *Areca catechu* L. belonging to Arecaceae (RRCBI-mus114)
254. Plant sample by Neha D, M. Pharm, Dept. of Pharmacognosy, Visveswarapura Institute of Pharmaceutical Sci., Bengaluru authenticated as *Grewia asiatica* L. of Malvaceae (RRCBI-mus464)
255. Plant sample by B Pharm, Dept. of Pharmaceutics, Oxford College of Pharmacy, Bengaluru authenticated as *Matricaria chamomilla* L. belonging to Asteraceae (RRCBI-mus397)
256. Plant sample by Shreegowri SD et al., Dept. of Microbiology, M.S. Ramaiah College of Arts, Science & Commerce, Bengaluru authenticated as *Eryngium foetidum* L. of Apiaceae (RRCBI-mus163)
Plant and mineral samples by Mohd. R, Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated as
257. *Colchicum luteum* Baker belonging to Colchicaceae (RRCBI-mus146)
258. *Aloe barbadensis* Mill. belonging to Asphodelaceae (RRCBI-8952)
259. *Ipomoea turpethum* (L.) R.Br. belonging to Convolvulaceae (RRCBI-mus426)
260. *Cassia angustifolia* M.Vahl belonging to Fabaceae (RRCBI-mus490)
261. *Artemisia vulgaris* L. belonging to Asteraceae (RRCBI-mus542)
262. *Citrullus colocynthis* (L.) Schrad. belonging to Cucurbitaceae (RRCBI-19602)
263. *Apium graveolens* L. belonging to Apiaceae (RRCBI-mus289)
264. *Viola odorata* L. belonging to Violaceae (RRCBI-mus311)
265. *Sesamum indicum* L. belonging to Pedaliaceae (RRCBI-mus24)
266. Chlorine
Plant samples by Sabiha Khan, PG Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated as
267. *Rheum emodii* Wall. ex Meisn. belonging to Polygonaceae (RRCBI-mus265)
268. *Rubia cordifolia* L. belonging to Rubiaceae (RRCBI-10554)

269. *Apium graveolens* L. belonging to Apiaceae (RRCBI-mus289)
270. *Pimpinella anisum* L. belonging to Apiaceae (RRCBI-mus343)
271. *Gentiana olivieri* Griseb. belonging to Gentianaceae (RRCBI-mus546)
Plant and mineral samples by Rukhsar Chowdhary, PG Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated as
272. *Rheum emodii* Wall. ex Meisn. belonging to Polygonaceae (RRCBI-mus265)
273. *Zingiber officinale* Roscoe belonging to Zingiberaceae (RRCBI-mus205)
274. *Acacia arabica* (Lam.) Willd. belonging to Fabaceae (RRCBI-mus280)
275. Ferrous Sulphate
Plants by Shah Saba Mohd. Sohail, PG Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated as
276. *Pistacia lentiscus* L. belonging to Anacardiaceae (RRCBI-mus544)
277. *Cannabis sativa* L. belonging to Cannabaceae (RRCBI-20624)
278. *Boswellia serrata* Roxb. belonging to Burseraceae (RRCBI-mus68)
279. *Quercus incana* Roxb. belonging to Fagaceae (RRCBI-mus369)
Plant samples by Prachi Virpara, PG Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated as
280. *Smilax china* L. belonging to Smilacaceae (RRCBI-mus489)
281. *Cassia angustifolia* Vahl. belonging to Fabaceae (RRCBI-mus490)
282. *Smilax aristolochiifolia* Mill. belonging to Smilacaceae (RRCBI-mus543)
283. *Polypodium vulgare* L. belonging to Polypodiaceae (RRCBI-mus346)
284. *Colchicum luteum* Baker belonging to Colchicaceae (RRCBI-mus146)
285. *Cuscuta reflexa* Roxb. belonging to Convolvulaceae (RRCBI-5682)
286. *Rosa damascena* Mill. belonging to Rosaceae (RRCBI-mus263)
287. *Santalum album* L. belonging to Santalaceae (RRCBI-10880)
Plant sample by Musfira AS, PG Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated
288. *Commiphora mukul* Engl. belonging to Burseraceae (RRCBI-17583)
289. *Operculina turpethum* (L.) Silva Manso belonging to the Convolvulaceae (RRCBI-mus426)
290. *Aristolochia rotunda* L. belonging to Aristolochiaceae (RRCBI-mus545)
291. *Pimpinella anisum* L. belonging to Apiaceae (RRCBI-mus343)
292. Plant sample by Ruksar Ayesha, PG Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated as
Acorus calamus L. belonging to Acoraceae (RRCBI-mus119)
293. Plant sample by Shahzad Ali, M. Pharm, Dept. of Pharmacology, Vivek College of Technical Education, Bijnor authenticated as *Rauvolfia tetraphylla* L. of Apocynaceae (RRCBI-11272)
294. Plant sample by Manasvi Tyagi, M. Pharm, Dept. of Pharmac., Vivek College of Technical Education, Bijnor authenticated as *Cyamopsis tetragonoloba* (L.) Taub. of Fabaceae (RRCBI-mus547)
295. Plant sample by Jiya Sharma, M. Pharm, Dept. of Pharmac., Vivek College of Technical Education, Bijnor authenticated as *Calotropis procera* (Aiton) Dryand. of Apocynaceae (RRCBI-9964)
296. Plant sample by Mr. Aniket Kashyap, M. Pharm, Dept. of Pharmacology, Vivek College of Technical Education, Bijnor authenticated as *Cassia occidentalis* L. (Leaf) of Fabaceae (RRCBI-18083)
297. Plant sample by KM. Nisha, M. Pharm, Dept. of Pharmacology, Vivek College of Technical Education, Bijnor authenticated as *Plumbago zeylanica* L. of Plumbaginaceae (RRCBI-12243)
Plants by Pallavi, Dept. of Pharmacology, Vivek College of Tech. Edu., Bijnor authenticated as
298. *Centella asiatica* (L.) Urb. belonging to Apiaceae (RRCBI-5724)
299. *Withania somnifera* (L.) Dunal belonging to Solanaceae (RRCBI-9103)
300. Plant sample by Sachin Rajput, M. Pharm, Dept. of Pharmacology, Vivek College of Technical Education, Bijnor authenticated as *Tagetes erecta* L. belonging to Asteraceae (RRCBI-mus138)
301. Plant sample by Uzma Iram Farooqui, PG Scholar, Dept. of Amraze Jild Wa Tazeeniyat, NIUM, Bengaluru authenticated as Red Oxide of Lead (Sindoor)
Samples by Md. Mujahid Ahmed, PG Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated as
302. *Trachyspermum ammi* Sprague belonging to Apiaceae (RRCBI-mus218)
303. *Apium graveolens* L. belonging to Apiaceae (RRCBI-mus289)
304. *Eruca sativa* (L.) Mill. belonging to Brassicaceae (RRCBI-14155)
Plant and mineral samples by Jagesh Kumar, PG Scholar, Dept. of Amraze Jild Wa Tazeeniyat, NIUM, Bengaluru authenticated as
305. *Acacia catechu* (L.f.) Willd. belonging to Fabaceae (RRCBI-4756)

306. Ammonium Chloride
307. Sodium baborate
Minerals by Shaikh M, scholar, Dept. of Amraze Jild Tazeeniyat, NIUM, Bengaluru authenticated as
308. Sulphur
309. Rock Salt
310. Litharge
311. Plant sample by Mohan Kumar G, et al., B Pharm, Dept. of Pharmaceutics, St. John's Pharmacy College, Bengaluru authenticated as *Tamarindus indica* L. (Bark) belonging to Fabaceae (RRCBI-5177)
312. Plant sample by Ankitha AS, B. Pharm, Dept. of Pharmaceutical Chemistry, T. John College of Pharmacy, Bengaluru authenticated as *Withania somnifera* (L.) Dunal of Solanaceae (RRCBI-9103)
Plant samples by T. Sharmila, Dept. of Microbiology, Biotechnology and Food technology, Jnanabharathi Campus, Bangalore University, Bengaluru authenticated as
313. *Trigonella foenum-graecum* L. belonging to Fabaceae (RRCBI-mus105)
314. *Eucalyptus globulus* Labill. belonging to Myrtaceae (RRCBI-17965)
315. *Azadirachta indica* A.Juss. belonging to Meliaceae (RRCBI-8970)
316. *Calotropis gigantea* (L.) Dryand belonging to Apocynaceae (RRCBI-8770)
317. *Piper betle* L. belonging to Piperaceae (RRCBI-mus113)
318. *Syzygium cumini* (L.) Skeels belonging to Myrtaceae (RRCBI-5418)
319. *Piper longum* L. belonging to Piperaceae (RRCBI-mus454)
320. *Plectranthus amboinicus* (Lour.) Spreng. belonging to Lamiaceae (RRCBI-mus214)
321. *Mangifera indica* L. belonging to Anacardiaceae (RRCBI-mus110)
322. *Senna siamea* (Lam.) H.S.Irwin & Barneby belonging to Fabaceae (RRCBI-19156)
323. *Senegalia rugata* (Lam.) Britton & Rose belonging to Fabaceae (RRCBI-5736)
324. *Curcuma longa* L. belonging to Zingiberaceae (RRCBI-mus277)
325. *Nerium oleander* L. belonging to Apocynaceae (RRCBI-15290)
326. *Ficus racemosa* L. belonging to Moraceae (RRCBI-8021)
327. Plant sample by Durgashree MD, Scholar, Dept. of Pharmac., KLE College of Pharmacy, Bengaluru authenticated as *Tetrastigma serrulatum* (Roxb.) Planch. belonging to Vitaceae (RRCBI-mus548)
Plants by Tarun N, et al., Dept. of Pharmace., St. John's Pharm. College, Bengaluru authenticated as
328. *Syzygium cumini* (L.) Skeels belonging to Myrtaceae (RRCBI-5418)
329. *Catharanthus roseus* (L.) G.Don belonging to Apocynaceae (RRCBI-744)
330. Plant sample by Dabre VV, et al., B Pharm, Dept. of Pharmacognosy, St. John's Pharmacy College, Bengaluru authenticated as *Amaranthus spinosus* L. of Amaranthaceae (RRCBI-4770)
Plants by Chandana D, Dept. of Amraze Jild Wa Tazeeniyat, NIUM, Bengaluru authenticated as
331. *Papaver somniferum* L. belonging to Papaveraceae (RRCBI-mus549)
332. *Sesamum indicum* L. belonging to Pedaliaceae (RRCBI-mus24)
333. *Lawsonia inermis* L. belonging to Lythraceae (RRCBI-5601)
334. *Cinnamomum camphora* (L.) J.Presl belonging to Lauraceae (RRCBI-mus256)
335. Sulphur
336. Sodium bicarbonate
337. Massicot
338. Borax
339. Plant samples by Anusha RG et al., Dept. of Pharmaceutics, IKON Pharmacy College, Karnataka authenticated as *Chamaecostus cuspidatus* (Nees & Mart.) Specht&Stev. of Costaceae (RRCBI-mus415)
Plant samples by Anam Afsar, PG Scholar, Dept. of Ilmu Jarahat, NIUM, Bengaluru authenticated as
340. *Boswellia serrata* Roxb. ex Colebr. belonging to Burseraceae (RRCBI-mus372)
341. *Aloe vera* (L.) Burm.f. belonging to Asphodelaceae (RRCBI-8952)
342. *Astragalus sarcocolla* Dymock belonging to Fabaceae (RRCBI-mus285)
343. *Pterocarpus marsupium* Roxb. belonging to Fabaceae (RRCBI-6732)
344. Plant sample by Ghazala Taskeen, PG Scholar, Dept. of Amraze Jild Wa Tazeeniyat, NIUM, Bengaluru authenticated as Armenian bole.
Plants by Mithun R, Dept. of Pharmaceutics, T. John College of Pharmacy, Bengaluru authenticated as
345. *Persea americana* Mill. belonging to Lauraceae (RRCBI-mus550)

346. *Salvia hispanica* Garsault belonging to Lamiaceae (RRCBI-mus189)
347. Plant sample by Mithun Ranganath, B Pharm, Dept. of Pharmaceutics, T. John College of Pharmacy, Bengaluru authenticated as *Plectranthus amboinicus* (Lour.) Spreng. of Lamiaceae (RRCBI-mus214)
348. Plant sample by Arshad Hasan, Afnan C, Srikanth M, Pooja M, Namratha Nagraj, B Pharm, T. John College of Pharmacy, Bengaluru authenticated as *Psidium guajava* L. of Myrtaceae (RRCBI-mus141)
Plants by Avijit P, Dept. of Pharmaceutics, IKON Pharmacy College, Karnataka authenticated as
349. *Hibiscus rosa-sinensis* L. belonging to Malvaceae (RRCBI-1131)
350. *Sesamum indicum* L. belonging to Pedaliaceae (RRCBI-mus24)
351. *Lagenaria siceraria* (Molina) Standl. belonging to Cucurbitaceae (RRCBI-mus31)
Plant samples by Punya Lakshmi MD, et al., B Pharm, Dept. of Pharmacognosy, Visveswarapura Institute of Pharmaceutical Sciences, Bengaluru authenticated as
352. *Averrhoa carambola* L. belonging to Oxalidaceae (RRCBI-mus420)
353. *Phyllanthus acidus* (L.) Skeels belonging to Phyllanthaceae (RRCBI-13046)
354. Plant sample by Akarshini R, Chandana AR, B Pharm, Dept. of Pharmaceutics, St. John's Pharmacy College, Bengaluru authenticated as *Calendula officinalis* L. belonging to Asteraceae (RRCBI-mus321)
355. Plant sample by Sammilana DN, Ruchitha S, Priyadharshini S, Sumil K S, Navaneeth Krishnan, B Pharm, Dept. of Pharmaceutics, T. John College of Pharmacy, Bengaluru authenticated as *Terminalia chebula* Retz. belonging to Combretaceae (RRCBI-11984)
Plant samples by Monisha C, Radhi R, Sandhiya Ray, Shilpa Hegade, Sonashree Y R, B Pharm, Dept. of Pharmaceutics, T. John College of Pharmacy, Bengaluru authenticated as
356. *Aloe vera* (L.) Burm.f. belonging to Asphodelaceae (RRCBI-8952)
357. *Anethum graveolens* L. belonging to Apiaceae (RRCBI-mus354)
358. *Annona muricata* L. belonging to Annonaceae (RRCBI-mus188)
359. Plant sample by Poojashree S, B Pharm, KLE College of Pharmacy, Bengaluru authenticated as *Pluchea lanceolata* (DC.) C.B. Clarke belonging to Asteraceae (RRCBI-mus551)
360. Plant sample by Navin KG, Dept. of Pharmacology, Hillside College of Pharmacy & Research Centre, Bengaluru authenticated as *Eichhornia crassipes* (Mart.) Solms of Pontederiaceae (RRCBI-mus552)
Plants by Revanth S, Dept. of Pharmace., T. John College of Pharmacy, Bengaluru authenticated as
361. *Cucurbita pepo* L. belonging to Cucurbitaceae (RRCBI-mus179)
362. *Carica papaya* L. belonging to Caricaceae (RRCBI-mus139)
363. *Camellia sinensis* (L.) Kuntze belonging to Theaceae (RRCBI-8667)
364. Plant sample by Naveen S, et al., B. Pharm, Dept. of Pharmace. Chemistry, T. John College of Pharmacy, Bengaluru authenticated as *Mimosa pudica* L. belonging to Fabaceae (RRCBI-10815)
365. Plant sample by Abhilash GB, et al., Dept. of Pharmaceutical Chemistry, T. John College of Pharmacy, Bengaluru authenticated as *Polyalthia suberosa* (Roxb.) Thwaites of Annonaceae (RRCBI-mus553)
366. Plant sample by Venkatesh GS, et al., B Pharm, Dept. of Pharmaceutics, T. John College of Pharmacy, Bengaluru authenticated as *Citrus limon* (L.) Osbeck belonging to Rutaceae (RRCBI-14108)
Plants by Deepu L, Visveswarapura Inst. of Pharmac. Sciences, Bengaluru authenticated as
367. *Hibiscus rosa-sinensis* L. belonging to Malvaceae (RRCBI-1131)
368. *Beta vulgaris* L. belonging to Amaranthaceae (RRCBI-mus554)
369. Plant sample by Tantresh Dev, Scholar, Dept. of Pharmacology, Hillside College of Pharmacy & Research Centre, Bengaluru authenticated as *Hericium erincaceus* belonging to Hericiaceae.
370. Plant sample by Honnire G, et al., B Pharm, Dept. of Pharmacology, Govt. College of Pharmacy, Bengaluru authenticated as *Datura innoxia* Mill. belonging to Solanaceae (RRCBI-19153)
Plants by Akshay KK, Dept. of Pharmacology, Nargund College of Pharm., Bengaluru authenticated as
371. *Cinnamomum cassia* (L.) J.Presl belonging to Lauraceae (RRCBI-mus206)
372. *Symplocos racemosa* Roxb. belonging to Symplocaceae (RRCBI-248)
373. Plant sample by Pratyusha C, et al., B Pharm, Dept. of Pharmace., Acharya & BM Reddy College of Pharmacy, Bengaluru authenticated as *Sambucus nigra* L. of Adoxaceae (RRCBI-mus556)
Plant sample by Asmat Rashid, PG Scholar, Dept. of Ilmu Jarahat, NIUM, Bengaluru authenticated as
374. *Ficus carica* L. belonging to Moraceae (RRCBI-17613)
375. *Foeniculum vulgare* Mill. belonging to Apiaceae (RRCBI-mus145)
376. *Terminalia chebula* Retz. belonging to Combretaceae (RRCBI-11984)
377. *Terminalia bellirica* (Gaertn.) Roxb. belonging to Combretaceae (RRCBI-4966)

378. *Phyllanthus emblica* L. belonging to Phyllanthaceae (RRCBI-11214)
379. *Commiphora wightii* (Arn.) Bhandari belonging to Burseraceae (RRCBI-mus224)
380. *Vitis vinifera* L. belonging to Vitaceae (RRCBI-mus287)
381. *Berberis aristata* DC. belonging to Berberidaceae (RRCBI-mus23)
382. *Asphodelus tenuifolius* Cav. belonging to Asphodelaceae (RRCBI-mus555)
Plant sample by Rameez RM, PG Scholar, Dept. of Ilmu Jarahat, NIUM, Bengaluru authenticated as
383. *Sesamum indicum* L. belonging to Pedaliaceae (RRCBI-mus24)
384. *Commiphora myrrha* (T.Nees) Engl. (Mur Siyah) belonging to Burseraceae (RRCBI-mus337)
385. *Commiphora myrrha* (T.Nees) Engl. (Mur Makki Surkh) belonging to Burseraceae (RRCBI-mus257)
386. *Pinus longifolia* Roxb. ex. Lamb. belonging to Pinaceae (RRCBI-mus352)
387. *Apis mellifica* (Mom Safaid)
Plant samples by Muhammed Shahl P, Nabeel A, Prayag A, Preety Gurung, B Pharm, Dept. of Pharmaceutics, T. John College of Pharmacy, Bengaluru authenticated as
388. *Phyllanthus emblica* L. belonging to Phyllanthaceae (RRCBI-11214)
389. *Bacopa monnieri* (L.) Pennell belonging to Plantaginaceae (RRCBI-5683)
390. *Mucuna pruriens* (L.) DC. belonging to Fabaceae (RRCBI-7831)
391. *Trigonella foenum-graecum* L. belonging to Fabaceae (RRCBI-mus105)
Plant samples by Darshan J Mallu, Muhammed Mumseen, Priscilla J, Saranya S, Usha P, B Pharm, Dept. of Pharmaceutics, T. John College of Pharmacy, Bengaluru authenticated as
392. *Rheum emodii* Wall. ex Meisn. belonging to Polygonaceae (RRCBI-mus265)
393. *Citrus sinensis* (L.) Osbeck belonging to Rutaceae (RRCBI-mus475)
394. *Psidium guajava* L. belonging to Myrtaceae (RRCBI-mus141)
Plant samples by Bhanu Prasad N, et al., Dept. of Pharmacognosy, Visveswarapura Institute of Pharmaceutical Sciences, Bengaluru authenticated as
395. *Musa paradisiaca* L. (Peel) belonging to Musaceae (RRCBI-mus144)
396. *Punica granatum* L. (Peel) belonging to Lythraceae (RRCBI-13286)
397. Plant sample by B Pharm, Vydehi Institute of Pharmacy, Bengaluru authenticated as *Pterocarpus marsupium* Roxb. belonging to Fabaceae (RRCBI-6732)
Plant samples by Druti SN. et al., B Pharm, T. John College of Pharmacy, Bengaluru authenticated as
398. *Piper betle* L. belonging to Piperaceae (RRCBI-mus113)
399. *Salvia rosmarinus* Schleid. belonging to Lamiaceae (RRCBI-mus519)
400. Plant sample by Disha John, Jagath Appanna, B Pharm, St. John's Pharmacy College, Bengaluru authenticated as *Azadirachta indica* A.Juss. belonging to Meliaceae (RRCBI-8970)
Plants by Janani S., Dept. of Microbiology & Biotech., JB Campus, Bangalore Uni., authenticated as
401. *Eucalyptus globulus* Labill. belonging to Myrtaceae (RRCBI-17965)
402. *Salvia rosmarinus* Schleid. belonging to Lamiaceae (RRCBI-mus519)
403. *Cymbopogon citratus* (DC.) Stapf belonging to Poaceae (RRCBI-mus230)
404. Plant sample by Mr. Sagar A., B Pharm, T. John College of Pharmacy, Bengaluru authenticated as *Cassytha filiformis* L. belonging to Lauraceae (RRCBI-8951)
405. Plant sample by Biradar Govinda, et al., B Pharm, Al-Ameen College of Pharmacy, Bengaluru authenticated as *Psidium guajava* L. belonging to Myrtaceae (RRCBI-mus141)
406. Plant sample by Ishita Sharma, et al., B Pharm, Acharya & BM Reddy College of Pharmacy, Bengaluru authenticated as *Trigonella foenum-graecum* L. (Seeds) belonging to Fabaceae (RRCBI-mus105)
Plant samples by Valeska Juweka Tanya Dias, Anish Bhattacharya, Mirza Hyder Ali, Swetha C, G Sindhu, B Pharm, St. John's Pharmacy College, Bengaluru authenticated as
407. *Musa paradisiaca* L. belonging to Musaceae (RRCBI- mus144)
408. *Azadirachta indica* A.Juss. belonging to Meliaceae (RRCBI-8970)
409. Plant sample by Sahana M, Scholar, Dept. of Life Sciences, Dayananda Sagar Univ.ersity, Bengaluru authenticated as *Momordica cymbalaria* Hook. f. of Cucurbitaceae (RRCBI-14378)
Plant samples by Kavya M, Dept. of Biotechnology, Bangalore University, Bengaluru authenticated as
410. *Salacia chinensis* L. belonging to Celastraceae (RRCBI-mus332)
411. *Artocarpus heterophyllus* Lam. belonging to Moraceae (RRCBI-8037)
412. *Putranjiva roxburghii* Wall. belonging to Putranjivaceae (RRCBI-mus559)
413. *Terminalia arjuna* (Roxb. ex DC.) Wight & Arn. belonging to Combretaceae (RRCBI-11397)

414. Plant sample by Tharun G.S., B Pharm, KLE College of Pharmacy, Bengaluru authenticated as *Argemone mexicana* L. belonging to Papaveraceae (RRCBI-8075)
Plant samples by Ashwanth K., et al., B Pharm, T. John College of Pharm., Bengaluru authenticated as
415. *Sapindus mukorossi* Gaertn. belonging to Sapindaceae (RRCBI-mus425)
416. *Azadirachta indica* A.Juss. belonging to Meliaceae (RRCBI-8970)
417. Plant sample by Nandan DC, et al., B. Pharm, Visveswarapura Institute of Pharmaceutical Science, Bengaluru authenticated as *Trigonella foenum-graecum* L. of Fabaceae (RRCBI-mus105)
418. Plant sample by Keerthi PK, et al., B. Pharm, KLE College of Pharmacy, Bengaluru authenticated as *Vateria indica* L. belonging to Dipterocarpaceae (RRCBI-10079)
419. Plant sample by Manoj Yadav BM, et al., B. Pharm, Visveswarapura Inst. of Pharmaceutical Sciences, Bengaluru authenticated as *Balanites roxburghii* Planch. of Zygophyllaceae (RRCBI-mus557)
420. Plant sample by Shreenivas TK, et al., B. Pharm, KLE College of Pharmacy, Bengaluru authenticated as *Trewia nudiflora* L. belonging to Euphorbiaceae (RRCBI-11800)
Plants by Prasanna K, Research Scientist, Himalaya Wellness Company, Bengaluru authenticated as
421. *Camellia sinensis* (L.) Kuntze belonging to Theaceae (RRCBI-8667)
422. *Matricaria chamomilla* L. belonging to Asteraceae (RRCBI-mus397)
423. *Cinnamomum zeylanicum* Blume belonging to Lauraceae (RRCBI-933)
424. *Cinnamomum cassia* (L.) J.Presl belonging to Lauraceae (RRCBI-mus206)
425. *Plantago ovata* Forssk. belonging to Plantaginaceae (RRCBI-mus558)
426. *Allium sativum* L. belonging to Amaryllidaceae (RRCBI-mus360)
427. *Moringa oleifera* Lam. belonging to Moringaceae (RRCBI-mus153)
428. *Nepeta hindostana* (B.Heyne ex Roth) Haines belonging to Lamiaceae (RRCBI-mus124)
429. Plant sample by Manoj A.N., M. Pharm, The Oxford College of Pharmacy, Bengaluru authenticated as *Foeniculum vulgare* Mill. belonging to Apiaceae (RRCBI-mus145)
430. Plant sample by Reema Rongpi, M. Pharm, East Point College of Pharmacy, Bengaluru authenticated as *Litsea rubescens* Lecomte belonging to Lauraceae (RRCBI-mus560)
431. Plant sample by Shridevi S, M. Pharm, East Point College of Pharmacy, Bengaluru authenticated as *Passiflora vitifolia* Kunth belonging to Passifloraceae (RRCBI-mus561)
432. Plant sample by Salam Bhupendra Singh, M. Pharm, East Point College of Pharmacy, Bengaluru authenticated as *Cassia fistula* L. belonging to Fabaceae (RRCBI-12062)
433. Plant sample by Tanu Maibam, M. Pharm, East Point College of Pharmacy, Bengaluru authenticated as *Phlogacanthus thyrsiformis* (Roxb. ex Hardw.) Mabb. belonging to Acanthaceae (RRCBI-mus562)
434. Plant sample by Bengia Sine, M. Pharm, East Point College of Pharmacy, Bengaluru authenticated as *Zanthoxylum oxyphyllum* Edgew. belonging to Rutaceae (RRCBI- mus563)
435. Plant sample by Prathisha VM. Pharm, East Point College of Pharmacy, Bengaluru authenticated as *Macrotyloma uniflorum* (Lam.) Verdc. belonging to Fabaceae (RRCBI-13600)
436. Plant sample by Shaikh Muzaffar Imamsab, PG Scholar, Dept. of Ilmu-Jarahat, NIUM, Bengaluru authenticated as *Prunus cerasus* L. belonging to Rosaceae (RRCBI-mus564)
Plant samples by Ansari Mohd. Scholar, Dept. of Ilmu-Jarahat, NIUM, Bengaluru authenticated as
437. *Shorea robusta* Gaertn. belonging to Dipterocarpaceae (RRCBI-mus338)
438. *Acacia catechu* (L.f.) Willd. belonging to Fabaceae (RRCBI-4756)
Plant samples by Ms. Chandni AS, Scholar, CHRIST, Bengaluru authenticated as
439. *Hydrilla verticillata* (L.f.) Royle belonging to Hydrocharitaceae (RRCBI-8117)
440. *Ceratophyllum demersum* L. belonging to Ceratophyllaceae (RRCBI-mus572)
441. *Cryptocoryne cognata* Schott belonging to Araceae (RRCBI-mus573)
442. *Najas minor* All. belonging to Hydrocharitaceae (RRCBI-mus574)
443. *Blyxa aubertii* Rich. belonging to Hydrocharitaceae (RRCBI-mus575)
444. *Vallisneria spiralis* L. belonging to Hydrocharitaceae (RRCBI-mus576)
445. *Potamogeton gayi* A. Benn. belonging to Potamogetonaceae (RRCBI-mus577)
446. *Nelumbo nucifera* Gaertn. belonging to Nelumbonaceae (RRCBI-19626)
447. *Ludwigia adscendens* (L.) H.Hara belonging to Onagraceae (RRCBI-10410)
448. *Alternanthera philoxeroides* (Mart.) Griseb. of Amaranthaceae (RRCBI-mus578)
449. *Scoparia dulcis* L. belonging to Plantaginaceae (RRCBI-8233)
450. *Euphorbia hirta* L. belonging to Euphorbiaceae (RRCBI-11714)

451. *Commelina communis* L. belonging to Commelinaceae (RRCBI-mus565)
452. *Gomphrena globosa* L. belonging to Amaranthaceae (RRCBI-18653)
453. *Phyllanthus amarus* Schumach. & Thonn. belonging to Phyllanthaceae (RRCBI-10790)
454. *Biophytum sensitivum* (L.) DC. belonging to Oxalidaceae (RRCBI-7365)
455. *Tridax procumbens* (L.) L. belonging to Asteraceae (RRCBI-9916)
456. *Synedrella nodiflora* (L.) Gaertn. belonging to Asteraceae (RRCBI-4708)
457. *Colocasia esculenta* (L.) Schott belonging to Araceae (RRCBI-8357)
458. *Cyperus rotundus* L. belonging to Cyperaceae (RRCBI-mus316)
459. *Axonopus compressus* (Sw.) P.Beauv. belonging to Poaceae (RRCBI-mus566)
460. *Cleome rutidosperma* DC. belonging to Cleomaceae (RRCBI-mus567)
461. *Cynodon dactylon* (L.) Pers. belonging to Poaceae (RRCBI-19447)
462. *Cyanthillium cinereum* (L.) H.Rob. belonging to Asteraceae (RRCBI-mus568)
463. *Cleome viscosa* L. belonging to Cleomaceae (RRCBI-10958)
464. *Centella asiatica* (L.) Urb. belonging to Apiaceae (RRCBI-5724)
465. *Ruellia simplex* C. Wright belonging to Acanthaceae (RRCBI-mus569)
466. *Mikania micrantha* Kunth belonging to Asteraceae (RRCBI-mus570)
467. *Torenia fournieri* Linden ex E. Fourn. belonging to Linderniaceae (RRCBI-mus571)
468. *Typha latifolia* L. belonging to Typhaceae (RRCBI-mus132)
469. *Marsilea quadrifolia* L. belonging to Marsileaceae (RRCBI-mus579)
470. *Pistia stratiotes* L. belonging to Araceae (RRCBI-11740)
471. *Azolla filiculoides* Lam. belonging to Salviniaceae (RRCBI-mus580)
472. *Lemna minor* L. belonging to Araceae (RRCBI-mus428)
473. *Nymphaea nouchali* Burm. f. belonging to Nymphaeaceae (RRCBI-10395)
474. *Eichhornia crassipes* (Mart.) Solms belonging to Pontederiaceae (RRCBI-mus552)
475. *Potamogeton octandrus* Poir. belonging to Potamogetonaceae (RRCBI-mus581)
476. *Alternanthera ficoidea* (L.) R. Br. belonging to Amaranthaceae (RRCBI-17252)
477. *Salvinia molesta* D. S. Mitch. belonging to Salviniaceae (RRCBI-mus140)
Plant samples by Prasanna Kumar CN, Associate Research Scientist, Botanical Extraction Unit, Himalaya Wellness Company, Bengaluru authenticated as
478. *Cinnamomum tamala* (Buch.-Ham.) T.Nees & Eberm. of Lauraceae (RRCBI-12727)
479. *Dioscorea bulbifera* L. belonging to Dioscoreaceae (RRCBI-11923)
480. *Nelumbo nucifera* Gaertn. belonging to Nelumbonaceae (RRCBI-19626)
481. *Martynia annua* L. belonging to Martyniaceae (RRCBI-7657)
482. *Clerodendrum phlomidis* L.f. belonging to Lamiaceae (RRCBI-19178)
483. *Stereospermum chelonoides* (L.f.) DC. belonging to Bignoniaceae (RRCBI-14330)
484. *Desmodium gangeticum* (L.) DC. belonging to Fabaceae (RRCBI-18995)
485. *Phaseolus trilobus* Aiton belonging to Fabaceae (RRCBI-18960)
486. *Teramnus labialis* (L.f.) Spreng. belonging to Fabaceae (RRCBI-19198)
487. *Pistacia integerrima* J.L. Stewart belonging to Anacardiaceae (RRCBI-mus582)
488. *Leptadenia reticulata* (Retz.) Wight & Arn. belonging to Apocynaceae (RRCBI-19113)
489. *Pueraria tuberosa* (Roxb. ex Willd.) DC. belonging to Fabaceae (RRCBI-19116)
490. *Nymphaea stellata* Willd. belonging to Nymphaeaceae (RRCBI-18937)
491. *Lilium polyphyllum* D.Don belonging to Liliaceae (RRCBI-mus583)
492. Plant sample by Malavika N, Scholar, Dept. of Nutrition, JSS Academy of Higher Education & Research, Bengaluru authenticated as *Sorghum bicolor* (L.) Moench of Poaceae (RRCBI-mus584)
Plant samples by Ms. Sanjana Y K, Research Scholar, Dept. of Nutrition and Dietetics, JSS Academy of Higher Education & Research, Bengaluru authenticated as
493. *Citrus maxima* (Burm.) Osbeck belonging to Rutaceae (RRCBI-mus585)
494. *Curcuma amada* Roxb. belonging to Zingiberaceae (RRCBI-4671)
495. *Citrus aurantiifolia* (Christm.) Swingle belonging to Rutaceae (RRCBI-mus586)
496. Plant sample by Saliha Ali, Scholar, Dept. of Pharmacology, Hillside College of Pharmacy & Research Centre, Bengaluru authenticated as *Nicotiana tabacum* L. of Solanaceae (RRCBI-8265)
497. Plant sample by Shubham PH, Scholar, Dept. of Pharmacognosy, KLE College of Pharmacy, Bengaluru authenticated as *Matricaria chamomilla* L. belonging to Asteraceae (RRCBI-mus397)

498. Plant sample by Bhavana V., Scholar, Dept. of Microbiology & Biotechnology, Bangalore University authenticated as *Tradescantia spathacea* Sw. belonging to Commelinaceae (RRCBI-mus587)
499. Plant sample by B Pharm, Dept. of Pharmacognosy, KLE College of Pharmacy, Bengaluru authenticated as *Coscinium fenestratum* (Goetgh.) Colebr. belonging to Menispermaceae (RRCBI-8005)
500. Plant sample by B Pharm, Dept. of Pharmacognosy, KLE College of Pharmacy, Bengaluru authenticated as *Epiphyllum anguliger* (Lem.) G.Don belonging to Cactaceae (RRCBI-mus588)
501. Plant sample by Ms. Darsana M, PG, Dept. of Life Sciences, CHRIST University, Bengaluru authenticated as *Ceratophyllum demersum* L. belonging to Ceratophyllaceae (RRCBI-mus572)
Plants by Shaistha B, Govt. Unani Medical College & Hospital, Bengaluru authenticated as
502. *Trigonella foenum-graecum* L. belonging to Fabaceae (RRCBI-mus105)
503. *Malva sylvestris* L. belonging to Malvaceae (RRCBI-mus278)
Plant samples by Syed Shuaib Pasha, PG Scholar, Dept. of Amraze Jild Wa Tazeeniyat, Govt. Unani Medical College & Hospital, Bengaluru authenticated as
504. *Quercus infectoria* Oliv. belonging to Fagaceae (RRCBI-mus371)
505. *Piper nigrum* L. (Black) belonging to Piperaceae (RRCBI-4644)
506. *Piper nigrum* L. (White) belonging to Piperaceae (RRCBI-20302)
507. Clarified Butter
508. Vinegar
Plant samples by Kaneez Fatma, Scholar, Dept. of Amraze Jild Wa Tazeeniyat, Govt. Unani Medical College & Hospital, Bengaluru authenticated as
509. *Phyllanthus emblica* L. (Fresh) belonging to Phyllanthaceae (RRCBI-mus232)
510. *Phyllanthus emblica* L. (Dry) belonging to Phyllanthaceae (RRCBI-20303)
511. *Terminalia chebula* Retz. (Immature) belonging to Combretaceae (RRCBI-11984)
512. *Terminalia chebula* Retz. (Mature) belonging to Combretaceae (RRCBI-20117)
513. *Terminalia bellirica* (Gaertn.) Roxb. belonging to Combretaceae (RRCBI-4966)
514. *Saccharum officinarum* L. belonging to Poaceae (RRCBI-mus589)
515. *Nardostachys jatamansi* (D.Don) DC. belonging to Caprifoliaceae (RRCBI-mus193)
516. *Curcuma zedoaria* (Christm.) Roscoe belonging to Zingiberaceae (RRCBI-1865)
517. *Eclipta prostrata* (L.) L. belonging to Asteraceae (RRCBI-8810)
518. *Lawsonia inermis* L. belonging to Lythraceae (RRCBI-5601)
519. *Sesamum indicum* L. belonging to Pedaliaceae (RRCBI-19633)
520. Green color pigment (Sabz Roghani Rang)
521. Clarified Butter
Plant samples by Akshara Shikari, PG Scholar, Dept. of Amraze Jild Wa Tazeeniyat, Govt. Unani Medical College & Hospital, Bengaluru authenticated as
522. *Cuscuta reflexa* Roxb. belonging to Convolvulaceae (RRCBI-5682)
523. *Plumbago zeylanica* L. belonging to Plumbaginaceae (RRCBI-12243)
524. *Althaea officinalis* L. belonging to Malvaceae (RRCBI-mus288)
525. Sugarcane Vinegar
526. Plant by Shafiya Roohi, Dept. of Ilmul Qabalat Wa Amraze Niswan, Govt. Unani Medical College & Hospital, Bengaluru authenticated as *Withania somnifera* (L.) Dunal of Solanaceae (RRCBI-9103)
Plant samples by Saba Anjum Quadri, PG Scholar, Dept. of Ilmul Qabalat Wa Amraze Niswan, Govt. Unani Medical College & Hospital, Bengaluru authenticated as
527. *Quercus infectoria* Oliv. belonging to Fagaceae (RRCBI-mus291)
528. *Acacia catechu* (L.f.) Willd. belonging to Fabaceae (RRCBI-4756)
529. *Tamarix dioica* Roxb. ex Roth belonging to Tamaricaceae (RRCBI-mus368)
530. Hydrated magnesium sulphate
Plant samples by Shaik Sameena Zameer, PG Scholar, Dept. of Ilmul Qabalat Wa Amraze Niswan, Govt. Unani Medical College & Hospital, Bengaluru authenticated as
531. *Achillea millefolium* E.Mey. belonging to Asteraceae (RRCBI-mus312)
532. *Theobroma cacao* L. belonging to Malvaceae (RRCBI-20479)
533. Plant sample by Sara Mujeer, Dept. of Ilmul., Govt. Unani Medical College & Hospital, Bengaluru authenticated as *Swertia chirata* Buch.-Ham. ex Wall. of Gentianaceae (RRCBI-mus467)
Plants by Roshitha KR, Dept. of Pharmaceutical Analysis, NIPER, Hyderabad authenticated as

534. *Clerodendrum paniculatum* L. belonging to Lamiaceae (RRCBI-4676)
535. *Clerodendrum infortunatum* L. belonging to Lamiaceae (RRCBI-20053)
536. Plant sample by Vasuki A, Dept. of Chemistry and Biochemistry, School of Sciences, Jain University), Bengaluru authenticated as *Wrightia tinctoria* R.Br. belonging to Apocynaceae (RRCBI-20251)
537. Plant sample by Joyce Arokia S, Scholar, Dept. of Pharmacology, Institute of Pharmacy, PES University, Bengaluru authenticated as *Borassus flabellifer* L. belonging to Arecaceae (RRCBI-20419)
538. Plant sample by Pradeep L, IV Year B Pharm, KLE College of Pharmacy, Bengaluru authenticated as *Elaeocarpus angustifolius* Blume belonging to Elaeocarpaceae (RRCBI-mus207)
539. Plant sample by Suhas Gowda HD, B Pharm, KLE College of Pharmacy, Bengaluru authenticated as *Ziziphus mauritiana* Lam. belonging to Rhamnaceae (RRCBI-3757)
Plant samples by Meraj, PG Scholar, Dept. of Ilaj bi'l Tadbir (Regimenal Therapy), Hakim Syed Ziaul Hasan Govt. Autonomous Unani Medical College Bhopal, Madhya Pradesh authenticated as
540. *Nymphaea alba* L. (Flower) belonging to Nymphaeaceae (RRCBI-mus592)
541. *Sesamum indicum* L. (Seed's oil) belonging to Pedaliaceae (RRCBI-19633)
Plant samples by Shiv, Botanical Healthcare Pvt. Ltd., Telangana authenticated as
542. *Withania somnifera* (L.) Dunal (Leaf) belonging to Solanaceae (RRCBI-18861)
543. *Withania somnifera* (L.) Dunal (Root) belonging to Solanaceae (RRCBI-14613)
Plant samples by Mohd Maruf Khan, Scholar, Dept. of Ilaj bi'l Tadbir, Hakim Syed Ziaul Hasan Govt. Autonomous Unani Medical College Bhopal, Madhya Pradesh authenticated as
544. *Cuscuta reflexa* Roxb. (Whole plant) belonging to Convolvulaceae (RRCBI-5682)
545. *Rosa indica* L. (Flower) belonging to Rosaceae (RRCBI-mus591)
546. *Matricaria chamomilla* L. belonging to Asteraceae (RRCBI-mus397)
547. *Hordeum vulgare* L. belonging to Poaceae (RRCBI-mus273)
548. *Sesamum indicum* L. belonging to Pedaliaceae (RRCBI-19633)
549. Plant sample by Ms. Lekhashree M G, M. Pharm, Visveswarapura Institute of Pharmaceutical Sciences, Bengaluru authenticated as *Sida acuta* Burm.f. belonging to Malvaceae (RRCBI-3249)
550. Plant sample by Pramod S, M. Pharm, Visveswarapura Institute of Pharmaceutical Sciences, Bengaluru authenticated as *Persea macrantha* (Nees) Kosterm belonging to Lauraceae (RRCBI-12295)
551. Plant sample by Aadhikesavan M, M. Pharm, Visveswarapura Institute of Pharmaceutical Sciences, Bengaluru authenticated as *Hamelia patens* Jacq. belonging to Rubiaceae (RRCBI-13045)
Plant samples by Kausar B, Scholar, Dept. of Amraze Jild wa Tazeeniyat, Hakim Syed Ziaul Hasan Govt. Autonomous Unani Medical College Bhopal, Madhya Pradesh authenticated as
552. *Vateria indica* L. belonging to Dipterocarpaceae (RRCBI-11231)
553. *Cinnamomum camphora* (L.) J.Presl belonging to Lauraceae (RRCBI-mus256)
554. *Acacia catechu* Wight & Arn. (Dried extract) belonging to Fabaceae (RRCBI-4756)
555. Cera alba (Bee wax)
Plants by Atoofa, Govt. Autonomous Unani Medical College Bhopal, Madhya Pradesh authenticated as
556. *Iris ensata* Thunb. (Root) belonging to Iridaceae (RRCBI-mus480)
557. *Albizia lebbeck* (L.) Benth. (Stem bark) belonging to Fabaceae (RRCBI-1637)
558. *Azadirachta indica* A.Juss. (Leaf) belonging to Meliaceae (RRCBI-8970)
Plants by Ms. A Ashika Devi, M.Sc., CHRIST (Deemed to be University), Bengaluru authenticated as
559. *Sesbania grandiflora* (L.) Poir. belonging to Fabaceae (RRCBI-mus297)
560. *Eclipta prostrata* (L.) L. belonging to Asteraceae (RRCBI-8810)
561. *Alternanthera sessilis* (L.) DC. belonging to Amaranthaceae (RRCBI-9891)
562. Plant sample by Ms. Naga Anusha T. A., PG, M.S. Ramaiah University of Applied Sciences, Bengaluru authenticated as *Annona squamosa* L. belonging to Annonaceae (RRCBI-19581)
563. Plant sample by Anjushree J, Researcher, Dept. of Pharmaceutics, Govt. College of Pharmacy, Bengaluru authenticated as *Aegle marmelos* (L.) Correa belonging to Rutaceae (RRCBI-9076)
564. Plant sample by Sandhya, Researcher, Dept. of Pharmacology, Govt. College of Pharmacy, Bengaluru authenticated as *Aegle marmelos* (L.) Correa belonging to Rutaceae (RRCBI-9076)
565. Plant sample by Sharanabasava RM., Researcher, Dept. of Pharmac., Govt. College of Pharmacy, Bengaluru authenticated as *Momordica cymbalaria* Hook. f. of Rutaceae (RRCBI-mus95)
566. Plant sample by Mrs. Manjula G. S., Ph.D. Researcher, AL-Ameen College of Pharmacy, Bengaluru authenticated as *Satureja hortensis* L. belonging to Lamiaceae (RRCBI-mus593)

567. Plant sample by Mrs. Vindya N.S., Ph.D. Researcher, AL-Ameen College of Pharmacy, Bengaluru authenticated as *Satureja hortensis* L. belonging to Lamiaceae (RRCBI-mus593)
Plant samples by Zaeema, Scholar, Dept. of Amraze Jild wa Tazeeniyat Hakim Syed Ziaul Hasan Govt. Autonomous Unani Medical College Bhopal, Madhya Pradesh authenticated as
568. *Plumbago zeylanica* L. (Root bark) belonging to Plumbaginaceae (RRCBI-12243)
569. *Abrus precatorius* L. (White seed) belonging to Fabaceae (RRCBI-5180)
570. *Sesamum indicum* L. (Seed oil) belonging to Pedaliaceae (RRCBI-19044)
Plant samples by Almas Furquan, PG Scholar, Dept. of Ilaj bi'l Tadbir, Hakim Syed Ziaul Hasan Govt. Autonomous Unani Medical College, Bhopal, Madhya Pradesh authenticated as
571. *Symplocos racemosa* Roxb. (Bark) belonging to Symplocaceae (RRCBI-12418)
572. *Curcuma amada* Roxb. (Rhizome) belonging to Zingiberaceae (RRCBI-4671)
573. *Litsea glutinosa* (Lour.) C.B.Rob. (Bark) belonging to Lauraceae (RRCBI-mus537)
574. *Aloe barbadensis* Mill. (Pulp) belonging to Asphodelaceae (RRCBI-8952)
575. *Lepidium sativum* L. (Seed) belonging to Brassicaceae (RRCBI-mus225)
576. Plant sample by Syed F Ali, Scholar, Govt. Autonomous Unani Medical College Bhopal authenticated as *Butea monosperma* (Lam.) Kuntze belonging to Fabaceae (RRCBI-4962)
Plant samples by Janani S., Research Scholar, Dept. of Microbiology & Biotechnology, J.B. Campus, Bangalore University, Bengaluru authenticated as
577. *Cymbopogon nardus* (L.) Rendle belonging to Poaceae (RRCBI-mus599)
578. *Corymbia citriodora* (Hook.) K.D.Hill & L.A.S. Johnson belonging to Myrtaceae (RRCBI-mus598)
Plant samples by TR. Lakshmeesha, Assistant professor, Dept. of Microbiology & Biotechnology, J.B. Campus, Bangalore University, Bengaluru authenticated as
579. *Azadirachta indica* A.Juss. belonging to Meliaceae (RRCBI-8970)
580. *Polyalthia longifolia* (Sonn.) Benth. & Hook.f. belonging to Annonaceae (RRCBI-mus403)
581. *Tamarindus indica* L. belonging to Fabaceae (RRCBI-5177)
582. *Pongamia pinnata* (L.) Pierre belonging to Fabaceae (RRCBI-10892)
583. *Syzygium cumini* (L.) Skeels belonging to Myrtaceae (RRCBI-5418)
584. *Moringa oleifera* Lam. belonging to Moringaceae (RRCBI-mus133)
585. *Terminalia catappa* L. belonging to Combretaceae (RRCBI-13289)
586. *Sphagneticola trilobata* (L.) Pruski belonging to Asteraceae (RRCBI-mus294)
587. *Tabebuia rosea* (Bertol.) DC. belonging to Bignoniaceae (RRCBI-mus597)
588. *Mangifera indica* L. belonging to Anacardiaceae (RRCBI-mus110)
589. *Swietenia macrophylla* King belonging to Meliaceae (RRCBI-20316)
590. Plant samples by Zaeema, Scholar, Dept. of Amraze Jild wa Tazeeniyat Hakim Syed Ziaul Hasan Govt. Autonomous Unani Medical College Bhopal authenticated as Borax-Suhaga/Tinkar crystals
591. Plant sample by Abhishek R, M. Pharm Pharmac. Visveswarapura Inst. of Pharmaceutical Sci., Bengaluru authenticated as *Epiphyllum oxypetalum* (DC.) Haw. of Cactaceae (RRCBI-mus416)
592. Plant sample by Ms. Tulasi RS, M. Pharm, Pharmac. Visveswarapura Inst. of Pharmaceutical Sci., Bengaluru authenticated as *Aristolochia indica* L. belonging to Aristolochiaceae (RRCBI-5788)
593. Plant sample by Hamsaveni G, M. Pharm, Pharmac. Visveswarapura Inst. of Pharmac. Sci., Bengaluru authenticated as *Lagdera crispata* (Vahl) Hepper & J.R.I.Wood of Asteraceae (RRCBI-mus600)
594. Plant sample by Nuthan D, M. Pharm, Pharmac., Visveswarapura Inst. of Pharmaceutical Sci., Bengaluru authenticated as *Jatropha curcas* L. of Euphorbiaceae (RRCBI-5136)
595. Plant sample by Fakiresh T, Researcher, Dept. of Pharmacology, Govt. College of Pharmacy, Bengaluru authenticated as *Plumeria acuminata* W.T.Aiton belonging to Apocynaceae (RRCBI-mus485)
596. Plant sample by Rakesh, Post-graduate Researcher, Dept. of Pharmacology, Govt. College of Pharmacy, Bengaluru authenticated as *Senna alata* (L.) Roxb. belonging to Fabaceae (RRCBI-19353)
597. Plant sample by Minnu M, Researcher, Dept. of Pharmacology, Govt. College of Pharmacy, Bengaluru authenticated as *Hemigraphis colorata* (Blume) Hallier f. belonging to Acanthaceae (RRCBI-mus601)
598. Plants by Rukkumpatel G, Researcher, Dept. of Pharmacognosy, Govt. College of Pharmacy, Bengaluru authenticated as *Dolichandrone falcata* (Wall. ex DC.) Seem. of Bignoniaceae (RRCBI-18880)
599. Plant sample by Vinay G, Researcher, Dept. of Pharmacology, Govt. College of Pharmacy, Bengaluru authenticated as *Plumeria acuminata* W.T.Aiton belonging to Apocynaceae (RRCBI-mus485)

600. Plant sample by Chandrashekar SP, Researcher, Dept. of Pharmacognosy, Govt. College of Pharmacy, Bengaluru authenticated as *Rivina humilis* L. belonging to Petiveriaceae (RRCBI-mus514)
601. Plant sample by Saima Bano, PG Scholar, Dept. of Ilmu Advia, NIUM, Bengaluru authenticated as *Mentha spicata* L. belonging to Lamiaceae (RRCBI-mus437)
602. Plant sample by Raja Irfan Khanday, Scholar, Dept. of Ilmu Advia, NIUM, Bengaluru authenticated as *Smilax china* L. belonging to Smilacaceae (RRCBI-mus489)
Plant samples by Syed Masoomah S, Scholar, Dept. of Ilmu Advia, NIUM, Bengaluru authenticated as
603. *Zataria multiflora* Boiss. belonging to Lamiaceae (RRCBI-mus602)
604. *Mentha arvensis* L. belonging to Lamiaceae (RRCBI-mus111)
605. *Thymus serpyllum* L. belonging to Lamiaceae (RRCBI-mus603)
Plant samples by Anjum A, Scholar, Dept. of Ilmu Advia, NIUM, Bengaluru authenticated as
606. *Embelia ribes* Burm.f. belonging to Primulaceae (RRCBI-11256)
607. *Operculina turpethum* (L.) Silva Manso belonging to Convolvulaceae (RRCBI-mus426)
608. *Commiphora mukul* (Hook. ex Stocks) Engl. belonging to Burseraceae (RRCBI-17583)
609. Plant sample by Sanjay SN, Aditya Bangalore Institute of Pharmacy Education & Research, Bengaluru authenticated as *Saussurea obvallata* (DC.) Edgew. belonging to Asteraceae (RRCBI-mus604)
610. Plant sample by Dhruva Hegde, M Pharm, Aditya Bangalore Institute of Pharmacy Education & Research, Bengaluru authenticated as *Premna tomentosa* Willd. belonging to Lamiaceae (RRCBI-966)
611. Plant sample by Sumanth Gowda HS, M Pharm, Aditya Bangalore Institute of Pharmacy Education & Research, Bengaluru authenticated as *Rosa damascena* Herrm. belonging to Rosaceae (RRCBI-mus263)
612. Plant sample by Shivaraj KS, Researcher, Dept. of Pharmacology, Mallige College of Pharmacy, Bengaluru authenticated as *Thevetia peruviana* (Pers.) K.Schum. of Apocynaceae (RRCBI-17250)
613. Plant sample by N Manoj Angadi, Researcher, Dept. of Pharmacology, Mallige College of Pharmacy, Bengaluru authenticated as *Argemone mexicana* L. belonging to Papaveraceae (RRCBI-8075)
614. Plant sample by Kiran BK, Researcher, Dept. of Pharmacology, Mallige College of Pharmacy, Bengaluru authenticated as *Acacia ferruginea* DC. belonging to Fabaceae (RRCBI-1641)
615. Plant sample by Deekshith D, Researcher, Dept. of Pharmacology, Mallige College of Pharmacy, Bengaluru authenticated as *Acacia ferruginea* DC. belonging to Fabaceae (RRCBI-1641)
616. Plant sample by Amrutha C, Research Scholar, Dept. of Natural Products, NIPER Hyderabad, Telangana authenticated as *Withania somnifera* (L.) Dunal belonging to Solanaceae (RRCBI-9103)
617. Plant sample by Shreyasi Karmakar, Scholar, Dept. of Natural Products, NIPER Hyderabad, Telangana authenticated as *Rosmarinus officinalis* L. belonging to Lamiaceae (RRCBI-mus519)
618. Plant sample by Roshitha KR, Scholar, Dept. of Pharmaceutical Analysis, NIPER Hyderabad, Telangana authenticated as *Costus speciosus* (J.Koenig) Sm. belonging to Costaceae (RRCBI-10056)
619. Plant sample by Hassan MM, Pharm, Aditya Bangalore Institute of Pharmacy Education & Research, Bengaluru authenticated as *Papaver somniferum* L. of to Papaveraceae (RRCBI-mus549)
620. Plant sample by Saima Bano, PG Scholar, Dept. of Ilmu Advia, NIUM, Bengaluru authenticated as *Cinnamomum zeylanicum* Blume belonging to Lauraceae (RRCBI-20516)
621. Plant sample by Harshitha K.R., PhD Scholar, Dept. of Life Sciences, CHRIST University, Bengaluru authenticated as *Ipomoea alba* L. belonging to Convolvulaceae (RRCBI-3852)
622. Plant sample by Kavya S A, Post-graduate Researcher, Dept. of Pharmac. Mallige College of Pharmacy, Bengaluru authenticated as *Emblica officinalis* Gaertn. of Phyllanthaceae (RRCBI-11214)
623. Plant sample by Ms. Maheen, Researcher, Dept. of Pharmac., Mallige College of Pharmacy, Bengaluru authenticated as *Coscinium fenestratum* (Gaertn.) Colebr. of Menispermaceae (RRCBI-8005)
624. Plant sample by Priyanka N, Researcher, Dept. of Pharmac., Mallige College of Pharmacy, Bengaluru authenticated as *Coscinium fenestratum* (Gaertn.) Colebr. of Menispermaceae (RRCBI-8005)
625. Plant samples by Navaneetha BN, M. Pharm, Vivekananda College of Pharmacy, Bengaluru authenticated as *Punica granatum* L. (Peel) belonging to Lythraceae (RRCBI-13286)
626. Plant samples by Navyashree P S, M. Pharm, Vivekananda College of Pharmacy, Bengaluru authenticated as *Vitis vinifera* L. (Seed) belonging to Vitaceae (RRCBI-mus287)
627. Plant samples by Jothisna AM, Dept. of Pharmacology, Mallige College of Pharmacy, Bengaluru authenticated as *Falcataria moluccana* Miq. of Fabaceae (RRCBI-mus605)
628. Plant samples by Jyothi R, Researcher, Dept. of Pharmacology, Mallige College of Pharmacy, Bengaluru authenticated as *Falcataria moluccana* Miq. of Fabaceae (RRCBI-mus605)

629. Plant samples by Santhosh G, B Pharm, KLE College of Pharmacy, Bengaluru authenticated as *Melia dubia* Cav. belonging to Meliaceae (RRCBI-mus606)
630. Plant samples by Sneha A Bhat, B Pharm, KLE College of Pharmacy, Bengaluru authenticated as *Tectona grandis* L.f. belonging to Lamiaceae (RRCBI-19342)
631. Plant samples by Moksha Ponnamm PG, B Pharm, KLE College of Pharmacy, Bengaluru authenticated as *Psidium guajava* L. belonging to Myrtaceae (RRCBI-18272)
632. Plant samples by Mr. Pula Gowthamuni, M Pharm, Dept. of Pharmacology, R R College of Pharmacy, Bengaluru authenticated as *Annona squamosa* L. belonging to Annonaceae (RRCBI-19366)
633. Plant samples by Anagha DN, Scholar, Dept. of Kayachikitsa, MG Ayu. Med. College Hospital & Res. Centre, Maharashtra authenticated as *Sphaeranthus indicus* L. of Asteraceae (RRCBI-12141)
634. Plant samples by Sudeep R, M Pharm, College of Pharmaceutical Sciences, Dayananda Sagar University, Bengaluru authenticated as *Cassia fistula* L. belonging to Fabaceae (RRCBI-12062)
635. Plant samples by Sachin DM, M Pharm, College of Pharmace. Sci., Dayananda Sagar Uni., Bengaluru authenticated as *Hemigraphis colorata* (Blume) Hallier f. of Acanthaceae (RRCBI-mus601)
Plants by Aravinda MS, Dept. of Pharmacology, R R College of Pharmacy, Bengaluru authenticated as
636. *Zingiber officinale* Roscoe belonging to Zingiberaceae (RRCBI-mus205)
637. *Camellia sinensis* (L.) Kuntze belonging to Theaceae (RRCBI-8667)
638. *Syzygium aromaticum* (L.) Merr. & L.M.Perry belonging to Myrtaceae (RRCBI-mus108)
639. Plant samples by Ms. R Poojitha, 3rd Sem. M Pharm, Dept. of Pharmacology, RR College of Pharmacy, Bengaluru authenticated as *Cissus quadrangularis* L. belonging to Vitaceae (RRCBI-623)
640. Plant samples by Ms. Nandini N, M Pharm, Dept. of Pharmacology, R R College of Pharmacy, Bengaluru authenticated as *Decalepis hamiltonii* Wight & Arn. of Apocynaceae (RRCBI-8781)
641. Plant samples by Pooja HJ, PG, PESU Institute of Pharmacy, PES University, Bengaluru authenticated as *Portulaca oleracea* L. belonging to Portulacaceae (RRCBI-12339)
642. Plant samples by B Pharm, East Point College of Pharmacy, Bengaluru authenticated as *Abutilon indicum* (L.) Sweet belonging to Malvaceae (RRCBI-5528)
643. Plants by Janani R, Researcher, Dept. of Pharmacology, Govt. College of Pharmacy, Bengaluru authenticated as *Alternanthera sessilis* (L.) R.Br. ex DC. belonging to Amaranthaceae (RRCBI-9891)
644. Plant samples by Bhoomika BR, M Pharm, Dept. of Pharmacology, R R College of Pharmacy, Bengaluru authenticated as *Ganoderma neo japonicum* belonging to Ganodermataceae.
645. Plant sample by Sadiya Farhat, Scholar, Dept. of Ilmu Jarahat, NIUM, Bengaluru authenticated as *Aloe barbadensis* Mill. belonging to Asphodelaceae (RRCBI-8952)
Plant samples by Omara Kaisur, Scholar, Dept. of Ilmu Jarahat, NIUM, Bengaluru authenticated as
646. *Cinnamomum camphora* (L.) J.Presl belonging to Lauraceae (RRCBI-mus256)
647. Ovi albumen
648. Lead carbonate
649. Bee wax
650. Ghee
Plants by Ramlah Hussain, PG Scholar, Dept. of Ilmu Jarahat, NIUM, Bengaluru authenticated as
651. *Aloe barbadensis* Mill. belonging to Asphodelaceae (RRCBI-8952)
652. *Commiphora myrrha* (T.Nees) Engl. belonging to Burseraceae (RRCBI-mus257)
653. *Astragalus sarcocolla* Dymock belonging to Fabaceae (RRCBI-mus285)
654. *Boswellia serrata* Roxb. ex Colebr. belonging to Burseraceae (RRCBI-mus372)
655. Plant sample by Anjum A, PG Scholar, Dept. of Ilmu Advia, NIUM, Bengaluru authenticated as *Dryopteris filix-mas* (L.) Schott belonging to Dryopteridaceae (RRCBI-mus610)
Plant samples by Naveen KMR, PG Scholar, Dept. of Ilmu Jarahat, NIUM, Bengaluru authenticated as
656. *Trachylobium hornemannianum* Hayne belonging to Fabaceae (RRCBI-mus607)
657. *Plumbago zeylanica* L. belonging to Plumbaginaceae (RRCBI-12243)
658. *Commiphora mukul* Engl. belonging to Burseraceae (RRCBI-17583)
659. *Berberis aristata* DC. belonging to Berberidaceae (RRCBI-mus23)
660. *Quercus infectoria* G.Olivier belonging to Fagaceae (RRCBI-mus371)
661. *Allium ampeloprasum* L. belonging to Amaryllidaceae (RRCBI-mua608)
662. *Cochlospermum religiosum* (L.) Alston belonging to Bixaceae (RRCBI-mus609)
663. Red chalk

664. Soap Stone
665. Ferric oxide
666. Egg shell
667. Plant sample by Kavya G, Researcher, Dept. of Pharmaco., Govt. College of Pharmacy, Bengaluru authenticated as *Syzygium aqueum* (Burm.f.) Alston of Myrtaceae (RRCBI-mus611)
668. Plant sample by Irayya Gurayya Mathapati, Post-graduate Researcher, Dept. of Pharmacognosy, Govt. College of Pharmacy, Bengaluru authenticated as *Psidium guajava* L. of Myrtaceae (RRCBI-18272)
669. Plant sample by Naina R, Researcher, Dept. of Pharmacognosy, Govt. College of Pharmacy, Bengaluru authenticated as *Euphorbia prostrata* Aiton belonging to Euphorbiaceae (RRCBI-mus612)
670. Sample by Veerendra VM, B Pharm, KLE College of Pharmacy, Bengaluru authenticated as lac resin
671. Plant samples by Naved ulla, Scholar, Dept. of Ilmul Saidla, NIUM, Bengaluru authenticated as *Cinnamomum camphora* (L.) J.Presl belonging to Lauraceae (RRCBI-mus265)
672. *Acacia catechu* (L.f.) Willd. belonging to Fabaceae (RRCBI-4756)
673. *Shorea robusta* C.F.Gaertn. belonging to Dipterocarpaceae (RRCBI-mus338)
Plant samples by Khan SAShakeel Ahmed, Dept. of Ilmul Saidla, NIUM, Bengaluru authenticated as
674. *Curcuma longa* L. belonging to Zingiberaceae (RRCBI-mus277)
675. *Iris ensata* Thunb. belonging to Iridaceae (RRCBI-mus480)
676. *Citrus medica* L. belonging to Rutaceae (RRCBI-8199)
677. *Portulaca oleracea* L. belonging to Portulacaceae (RRCBI-12339)
678. *Eruca sativa* Mill. belonging to Brassicaceae (RRCBI-14155)
679. *Glycyrrhiza glabra* L. belonging to Fabaceae (RRCBI-mus327)
680. *Raphanus sativus* L. belonging to Brassicaceae (RRCBI-19474)
681. *Allium cepa* L. belonging to Amaryllidaceae (RRCBI-19475)
Plants by Mubashsheera Fathima, Scholar, Dept. of Ilmul Saidla, NIUM, Bengaluru authenticated as
682. *Punica granatum* L. belonging to Lythraceae (RRCBI-13286)
683. *Aristolochia rotunda* L. belonging to Aristolochiaceae (RRCBI-mus545)
Plant samples by Sumaiya Zaki, PG Scholar, Dept. of Ilmul Saidla, NIUM, Bengaluru authenticated as
684. *Asparagus racemosus* Willd. belonging to Asparagaceae (RRCBI-1937)
685. *Trigonella foenum-graecum* L. belonging to Fabaceae (RRCBI-19461)
686. *Gossypium herbaceum* L. belonging to Malvaceae (RRCBI-14429)
Plant samples by Ningaraja M, Post-graduate Researcher, Dept. of Pharmacognosy, Govt. College of Pharmacy, Bengaluru authenticated as
687. *Ipomoea batatas* (L.) Lam. belonging to Convolvulaceae (RRCBI-mus103)
688. *Amorphophallus paeoniifolius* (Dennst.) Nicolson belonging to Araceae (RRCBI-mus613)
Plant samples by Sirivennala M, Post-graduate Researcher, Dept. of Pharmacognosy, Govt. College of Pharmacy, Bengaluru authenticated as
689. *Leucas aspera* (Willd.) Link. belonging to Lamiaceae (Ref. RRCBI-11885)
690. *Mirabilis jalapa* L. belonging to Nyctaginaceae (RRCBI-14693)
691. Plant sample by Shah Faisal, Scholar, Dept. of Ilmul Saidla, State Takmeel-Ut-Tib College and Hospital, Lucknow authenticated as *Ferula asafoetida* H.Karst. of Apiaceae (RRCBI-mus128)
Plants by Asma K, Dept.ofIlmul Saidla, Takmeel-Ut-Tib College &Hospital, Lucknow authenticated as
692. *Convolvulus scammonia* L. belonging to Convolvulaceae (RRCBI-mus540)
Plant samples by Mohd. Kashif, PG Scholar, Dept. of Ilmul Saidla, State Takmeel-Ut-Tib College and Hospital, Lucknow, U.P. authenticated as
693. *Terminalia chebula* Retz. (Halela Kabuli) belonging to Combretaceae (RRCBI-11984)
694. *Terminalia chebula* Retz. (Halela Zard) belonging to Combretaceae (RRCBI-18328)
695. *Terminalia chebula* Retz. (Halela Siyah) belonging to Combretaceae (RRCBI-16887)
696. *Terminalia bellirica* (Gaertn.) Roxb. belonging to Combretaceae (RRCBI-20578)
697. *Emblica officinalis* Gaertn. belonging to Phyllanthaceae (RRCBI-19993)
698. *Embelia ribes* Burm.f. belonging to Primulaceae (RRCBI-mus451)
699. *Mallotus philippensis* (Lam.) Müll.Arg. belonging to Euphorbiaceae (RRCBI-2603)
Plant samples by Shamshad Ahmad, PG Scholar, Dept. of Ilmul Saidla, State Takmeel-Ut-Tib College and Hospital, Lucknow, U.P. authenticated as
700. *Piper nigrum* L. belonging to Piperaceae (RRCBI-20302)

701. *Rauvolfia serpentina* Benth. ex Kurz belonging to Apocynaceae (RRCBI-11272)
Plants by Ramaswamy SK, B Pharm, The Oxford College of Pharmacy, Bengaluru authenticated as
702. *Emblica officinalis* Gaertn. belonging to Phyllanthaceae (RRCBI-19993)
703. *Citrus sinensis* (L.) Osbeck belonging to Rutaceae (RRCBI-mus475)
704. *Santalum album* L. belonging to Santalaceae (RRCBI-10880)
705. Plant sample by Rishika H. Menon, B Pharm, The Oxford College of Pharmacy, Bengaluru authenticated as *Eichhornia crassipes* (Mart.) Solms belonging to Pontederiaceae (RRCBI-mus552)
706. Plant sample by S. Birzees Fathima, B Pharm, The Oxford College of Pharmacy, Bengaluru authenticated as *Tanacetum parthenium* (L.) Sch.Bip. belonging to Asteraceae (RRCBI-mus614)
707. Plant by Rashmi Jenifer G, M Pharm, Dept. of Pharmaceutical Chemistry, T. John College of Pharmacy, Bengaluru authenticated as *Euphorbia prostrata* Aiton belonging to Euphorbiaceae (RRCBI-mus612)
Plant samples by Shaikh K, Scholar, Dept. of Ilmul Saidla, NIUM, Bengaluru authenticated as
708. *Ricinus communis* L. belonging to Euphorbiaceae (RRCBI-854)
709. *Calotropis gigantea* (L.) Dryand. belonging to Apocynaceae (RRCBI-8770)
710. *Datura innoxia* Mill. belonging to Solanaceae (RRCBI-19153)
711. *Euphorbia neriifolia* L. belonging to Euphorbiaceae (RRCBI-mus292)
712. Plant sample by Joyce AS, Dept of Pharmaco., Inst. of Pharmacy, PES University, Bengaluru authenticated as *Blepharis maderaspatensis* (L.) B.Heyne ex Roth of Acanthaceae (RRCBI-10833)
713. Plant sample by Sruti NU, Dept of Pharmacology, Inst. of Pharmacy, PES Uni., Bengaluru authenticated as *Cyamopsis tetragonoloba* (L.) Taub. belonging to Fabaceae (RRCBI-mus547)
714. Plant sample by Chandan DR, M. Pharm, Hillside college of Pharmacy & Research Centre, Bengaluru authenticated as *Phyllanthus emblica* L. belonging to Phyllanthaceae (RRCBI-11214)
Plants by Qureshi MM, Dept. of Ilmul Qabalat Amraz e Niswan, NIUM, Bengaluru authenticated as
715. *Glycyrrhiza glabra* L. belonging to Fabaceae (RRCBI-mus149)
716. *Foeniculum vulgare* Mill. belonging to Apiaceae (RRCBI-mus145)
717. *Melissa axillaris* (Benth.) Bakh.f. belonging to Lamiaceae (RRCBI-mus615)
718. *Linum usitatissimum* L. belonging to Linaceae (RRCBI-mus176)
719. *Trigonella foenum-graecum* L. belonging to Fabaceae (RRCBI-19461)
720. *Lepidium sativum* L. belonging to Brassicaceae (RRCBI-mus225)
Plants by Shaikh Z, Dept. of Ilmul Qabalat wa Amraz e Niswan, NIUM, Bengaluru authenticated as
721. *Quercus infectoria* Oliv. belonging to Fagaceae (RRCBI-mus371)
722. *Berberis aristata* DC. belonging to Berberidaceae (RRCBI-mus317)
723. *Boswellia serrata* Roxb. to Burseraceae (RRCBI-mus372)
724. *Rhus coriaria* L. belonging to Anacardiaceae (RRCBI-mus511)
725. Alum
726. Plant sample by Tasneem Ali, Dept. of Ilmul Qabalat wa Amraz e Niswan, NIUM, Bengaluru authenticated as *Moringa oleifera* Lam. belonging to Moringaceae (RRCBI-19929)
727. Plant sample by Tabassum Bano, Dept. of Ilmul Qabalat wa Amraz e Niswan, NIUM, Bengaluru authenticated as *Nigella sativa* L. belonging to Ranunculaceae (RRCBI-mus393)
Plant sample by Ansari AK, Dept. of Ilmul Qabalat e Niswan, NIUM, Bengaluru authenticated as
728. *Melia azedarach* L. belonging to Meliaceae (RRCBI-19130)
729. *Azadirachta indica* A.Juss. belonging to Meliaceae (RRCBI-8970)
730. *Juniperus communis* L. belonging to Cupressaceae (RRCBI-mus344)
731. *Artemisia absinthium* L. belonging to Asteraceae (RRCBI-mus525)
732. *Holarrhena pubescens* Wall. ex G.Don belonging to Apocynaceae (RRCBI-12232)
Plant samples by M Pharm, The Oxford College of Pharmacy, Bengaluru authenticated as
733. *Leucas aspera* (Willd.) Link belonging to Lamiaceae (RRCBI-5951)
734. *Dracaena trifasciata* (Prain) Mabb. belonging to Asparagaceae (RRCBI-mus501)
735. *Hydrocharis laevigata* Byng & Christenh. Hydrocharitaceae (RRCBI-mus616)
736. *Crossandra infundibuliformis* (L.) Nees belonging to Acanthaceae (RRCBI-11729)
737. *Agave amica* (Medik.) Thiede & Govaerts belonging to Asparagaceae (RRCBI-mus399)
738. *Asystasia gangetica* (L.) T.Anderson belonging to Acanthaceae (RRCBI-5782)

- Plants by Mohammed AR, Dept. of Tahaffuzi-wa-Samaji-Tib, NIUM, Bengaluru authenticated as
739. *Artemisia absinthium* L. belonging to Asteraceae (RRCBI-mus525)
 740. *Apium graveolens* L. belonging to Apiaceae (RRCBI-mus289)
 741. *Asarum europaeum* L. belonging to Aristolochiaceae (RRCBI-mus458)
 742. *Prunus amygdalus* Batsch belonging to Rosaceae (RRCBI-mus66)
Plants by Saima Shafi, Scholar, Dept. of Tahaffuzi-wa-Samaji-Tib, NIUM, Bengaluru authenticated as
 743. *Pistacia vera* L. belonging to Anacardiaceae (RRCBI-mus618)
 744. *Terminalia bellirica* (Gaertn.) Roxb. belonging to Combretaceae (RRCBI-4966)
 745. *Zingiber officinale* Roscoe belonging to Zingiberaceae (RRCBI-mus205)
Plantsa by Nishat Rao, Scholar, Dept. of Tahaffuzi-wa-Samaji-Tib, NIUM, Bengaluru authenticated as
 746. *Lavandula stoechas* L. (sample-A) belonging to Lamiaceae (RRCBI-mus616)
 747. *Lavandula stoechas* L. (sample-B) belonging to Lamiaceae (RRCBI-mus617)
 748. *Lavandula stoechas* L. (sample-C) belonging to Lamiaceae (RRCBI-mus618)
Plant sample by Ishrat Mohammed I, Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated as
 749. *Asarum europaeum* L. belongs to Aristolochiaceae (RRCBI-mus458)
 750. *Piper longum* L. belonging to Piperaceae (RRCBI-mus49)
 751. *Neolitsea cassia* (L.) Kosterm. belonging to (RRCBI-mus206)
 752. *Apium graveolens* L. belonging to Apiaceae (RRCBI-mus289)
 753. *Zingiber officinale* Roscoe belonging to Zingiberaceae (RRCBI-mus205)
 754. *Carum carvi* L. belonging to Apiaceae (RRCBI-mus267)
 755. *Bergenia pacumbis* C.Y.Wu & J.T.Pan of Saxifragaceae (RRCBI-mus148)
 756. *Piper nigrum* L. belonging to (RRCBI-4644)
 757. *Piper album* Vahl belonging to (RRCBI-mus613)
 758. Plant sample by Ruchir Kumar, PG Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated as *Piper cubeba* L.f. belonging to Piperaceae (RRCBI-mus249)
 759. Plant sample by Zarif Alfeeq Bin Zainurmallal, PG Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated as *Melissa officinalis* L. belonging to Lamiaceae (RRCBI-mus440)
 760. Plant sample by Priyanka Gupta, Ist year, postgraduate, The Oxford Dental College, Bengaluru authenticated as *Moringa oleifera* Lam. (Leaf) belonging to Moringaceae (RRCBI-19929)
 761. Plant sample by Punyashree, M. Pharm, Bharathi Education Trust, Bharathi Nagar, Mandya Dist, Bengaluru authenticated as *Gliricidia sepium* (Jacq.) Kunth of Fabaceae (RRCBI-614).
 762. Plant sample by Meghana HC, M. Pharm, Bharathi Education Trust, Bharathi Nagar, Mandya, Bengaluru authenticated as *Ficus natalensis* Hochst. belonging to Moraceae (RRCBI-mus615)
 763. Plant sample by Monisha R, M Pharm, Aditya Bangalore Institute of Pharmacy, Bengaluru authenticated as *Ipomoea batatas* (L.) Lam. belonging to Convolvulaceae (RRCBI-mus103)
 764. Plant sample by Sahana NR., M. Pharm, PESU Institute of Pharm., PES Uni., Bengaluru authenticated as *Phyllanthus amarus* Schumach. & Thonn. of Phyllanthaceae (RRCBI-10790)
 765. Plant sample by Nanditha S, M. Pharm, PESU Institute of Pharmacy, PES University, Bengaluru authenticated as *Cucurbita moschata* Duchesne of Cucurbitaceae (RRCBI-mus279)
 766. Plant sample by Udayakumar V, M. Pharm, PESU Institute of Pharmacy, PES University, Bengaluru authenticated as *Abies spectabilis* (D.Don) Mirb. of Pinaceae (RRCBI-mus450)
 767. Plant sample by Tejashree MS, M Pharm, T. John College of Pharmacy, Bengaluru authenticated as *Mirabilis jalapa* L. belonging to Nyctaginaceae (RRCBI-14693)
 768. Plant sample by Shilpa R, M Pharm, T. John College of Pharmacy, Bengaluru authenticated as *Amorphophallus paeoniifolius* (Dennst.) Nicolson belonging to Araceae (RRCBI-mus 613)
 769. Plant sample by Jayashritha R, M Pharm, T. John College of Pharmacy, Bengaluru authenticated as *Epiphyllum oxypetalum* (DC.) Haw. belonging to Cactaceae (RRCBI-mus416)
Plants by Oviya S, M Pharm, Dept. of Pharmacology, Nargund College, Bengaluru authenticated as
 770. *Cyperus rotundus* L. belonging to Cyperaceae (RRCBI-mus316)
 771. *Zingiber officinale* Roscoe belonging to Zingiberaceae (RRCBI-mus205)

772. Plant sample by Pratheeksha BR, M Pharm, Dept. of Pharmac. Nargund College of Pharmacy, Bengaluru authenticated as *Citrullus colocynthis* (L.) Schrad. of Cucurbitaceae (RRCBI-19602)
773. Plant sample by Lankesh GM, B Pharm, Nargund College of Pharmacy, Bengaluru authenticated as *Musa paradisiaca* L. of Musaceae (RRCBI- mus342)
774. Plant sample by Anshu Singh, M Pharm, T. John College of Pharmacy, Bengaluru authenticated as *Drimia indica* (Roxb.) Jessop of Asparagaceae (RRCBI-20160)
775. Plant sample by Basavachetan, M Pharm, T. John College of Pharmacy, Bengaluru authenticated as *Luffa cylindrica* M.Roem. belonging to Cucurbitaceae (RRCBI-mus264)
Plant sample by Urja C, M Pharm, T. John College of Pharmacy, Bengaluru authenticated as
776. *Salvinia auriculata* Aubl. of Salviniaceae (RRCBI-mus616)
777. *Salvinia natans* (L.) All. of Salviniaceae (RRCBI-mus617)
Plant sample by Zafar Iqbal, Scholar, Dept. of Moalajat, NIUM, Bengaluru authenticated as
778. *Piper nigrum* L. belonging to (RRCBI-4644)
779. *Elettaria cardamomum* (L.) Maton of Zingiberaceae (RRCBI-mus335)
780. Plant sample by Shaikh T, PG Scholar, Dept. of Amraz-e- Jild Wa Tazeeniyat, NIUM, Bengaluru authenticated as *Shorea robusta* C. F.Gaertn. of Dipterocarpaceae (RRCBI-mus338)
781. Plant sample by V Srinivasa Rao, Dept of Pharmacology, Institute of Pharmacy, PES University, Bengaluru authenticated *Clitoria ternatea* L. of Fabaceae (RRCBI-19968)
782. Plant sample by Karthik V, M Pharm, Krupanidhi College of Pharmacy, Bengaluru authenticated as *Tabernaemontana alternifolia* L. belonging to (RRCBI-20522)
783. Plant sample by Gopi, M, Scientist, National Institute of Animal Nutrition and Physiology Adugodi, Bengaluru authenticated as *Cymbopogon citratus* (DC.) Stapf belonging to Poaceae (RRCBI-mus230)

o) Any other information, please specify:

Submission of SMPU progress reports to CCRAS Hqrs., New Delhi:

- Prepared and submitted the annual progress report of the Survey of Medicinal Plants Unit to CCRAS Headquarters for the period 2023-24.
- Monthly and quarterly reports of SMPU have been prepared and submitted for the year 2024-25.

Submission of IMR Research Projects:

- The following IMR research project was prepared and presented in Internal Scrunity Committee (ISC) and final project proposals submitted in Project Evaluation and Monitoring Committee (PEMC) and got sanctioned.

Sl. No.	Project title	Budget sanctioned (Rs.)	Budget released (Rs.)
1.	Medico-Ethno Botanical Survey of Nallamala forests located in the states of Andhra Pradesh and Telangana	CARI, Bengaluru: Rs. 85,04,960/- NIIMH, Hyderabad: Rs. 6,98,000/- RARI, Vijayawada: Rs. Rs. 6,98,000/- Total: Rs. 99,00,960/-	Nil sanction letter dated 21.03.2025 received from CCRAS

- Dr. V. Rama Rao, RO (Botany) reviewed six research articles for five journals reviewed as per the following details:

1. Advances in Research
2. European Journal of Medicinal Plants
3. Journal of Scientific Research and Reports
4. Journal of Advances in Biology & Biotechnology
5. Asian Journal of Agriculture and Allied Sciences

LHT Work:

- Assigned 30 Field book numbers and Accession numbers to the samples received from THCRP Team, RARI, Nagpur and provided letter for the same.

Cultivation of Medicinal Plants at CARI, Bengaluru botanical garden

Sl. No.	Botanical Name	Family	Habit
1.	<i>Acacia ferruginea</i> DC.	Fabaceae	Tree
2.	<i>Acrocarpus fraxinifolius</i> Wight & Arn.	Fabaceae	Tree
3.	<i>Adansonia digitata</i> L.	Malvaceae	Tree
4.	<i>Alangium salviifolium</i> (L.f.) Wangerin	Cornaceae	Tree
5.	<i>Annona muricata</i> L.	Annonaceae	Tree
6.	<i>Annona squamosa</i> L.	Annonaceae	Tree
7.	<i>Aphanamixis polystachya</i> (Wall.) R.Parker	Meliaceae	Tree
8.	<i>Artocarpus heterophyllus</i> Lam.	Moraceae	Tree
9.	<i>Azadirachta indica</i> A.Juss.	Meliaceae	Tree
10.	<i>Bauhinia purpurea</i> L.	Fabaceae	Tree
11.	<i>Bauhinia racemosa</i> Lam.	Fabaceae	Tree
12.	<i>Careya arborea</i> Roxb.	Lecythidaceae	Tree
13.	<i>Caryota urens</i> L.	Arecaceae	Tree
14.	<i>Cassia fistula</i> L.	Fabaceae	Tree
15.	<i>Cocos nucifera</i> L.	Arecaceae	Tree
16.	<i>Cordia dichotoma</i> G.Forst.	Boraginaceae	Tree
17.	<i>Dalbergia latifolia</i> Roxb.	Fabaceae	Tree
18.	<i>Dimocarpus longan</i> Lour.	Sapindaceae	Tree
19.	<i>Diospyros montana</i> Roxb.	Ebenaceae	Tree
20.	<i>Ficus auriculata</i> Lour.	Moraceae	Tree
21.	<i>Ficus carica</i> L.	Moraceae	Tree
22.	<i>Ficus religiosa</i> L.	Moraceae	Tree
23.	<i>Garcinia indica</i> Choisy	Clusiaceae	Tree
24.	<i>Garcinia xanthochymus</i> (Hook.f.) T.Anderson	Clusiaceae	Tree
25.	<i>Gmelina arborea</i> Roxb. ex Sm.	Lamiaceae	Tree
26.	<i>Hydnocarpus pentandrus</i> (Buch.-Ham.) Oken	Achariaceae	Tree
27.	<i>Jacaranda mimosifolia</i> D.Don	Bignoniaceae	Tree
28.	<i>Lagestroemia speciosa</i> (L.) Pers	Lythraceae	Tree
29.	<i>Magnolia champaca</i> (L.) Baill. ex Pierre	Magnoliaceae	Tree
30.	<i>Mangifera indica</i> L.	Anacardiaceae	Tree
31.	<i>Manilkara zapota</i> (L.) P.Royen	Sapotaceae	Tree
32.	<i>Mesua ferrea</i> L.	Calophyllaceae	Tree
33.	<i>Mimusops elengi</i> L.	Sapotaceae	Tree
34.	<i>Moringa oliefera</i> Lam.	Moringaceae	Tree
35.	<i>Myristica fragrans</i> Houtt.	Myristicaceae	Tree
36.	<i>Neolamarckia cadamba</i> (Roxb.) Bosser	Rubiaceae	Tree
37.	<i>Nyctanthes arbor-tristis</i> L.	Oleaceae	Tree

38.	<i>Oncoba spinosa</i> Forssk.	Salicaceae	Tree
39.	<i>Oroxylum indicum</i> (L.) Benth. ex Kurz	Bignoniaceae	Tree
40.	<i>Persea americana</i> Mill.	Lauraceae	Tree
41.	<i>Phyllanthus acidus</i> (L.) Skeels	Phyllanthaceae	Tree
42.	<i>Phyllanthus emblica</i> L.	Phyllanthaceae	Tree
43.	<i>Pimenta dioica</i> (L.) Merr.	Myrtaceae	Tree
44.	<i>Plumeria alba</i> L.	Apocynaceae	Tree
45.	<i>Polyalthia longifolia</i> (Sonn.) Thwaites	Annonaceae	Tree
46.	<i>Pongamia pinnata</i> (L.) Pierre	Fabaceae	Tree
47.	<i>Psidium guajava</i> L.	Myrtaceae	Tree
48.	<i>Pterocarpus marsupium</i> Roxb.	Fabaceae	Tree
49.	<i>Pterocarpus santalinus</i> L.f.	Fabaceae	Tree
50.	<i>Pterospermum acerifolium</i> (L.) Willd.	Malvaceae	Tree
51.	<i>Pterygota alata</i> (Roxb.) R.Br.	Malvaceae	Tree
52.	<i>Putranjiva roxburghii</i> Roxb.	Putranjivaceae	Tree
53.	<i>Samanea saman</i> (Jacq.) Merr.	Fabaceae	Tree
54.	<i>Santalum album</i> L.	Santalaceae	Tree
55.	<i>Saraca asoca</i> (Roxb.) Willd.	Fabaceae	Tree
56.	<i>Schleichera oleosa</i> (Lour.) Oken	Sapindaceae	Tree
57.	<i>Sesbania grandiflora</i> (L.) Poiret	Fabaceae	Tree
58.	<i>Simarouba glauca</i> DC.	Simaroubaceae	Tree
59.	<i>Strychnos nux-vomicaiana</i> L.	Loganiaceae	Tree
60.	<i>Swietenia macrophylla</i> King	Meliaceae	Tree
61.	<i>Syzygium cumini</i> (L.) Skeels	Myrtaceae	Tree
62.	<i>Tecoma stans</i> (L.) Juss. ex Kunth	Bignoniaceae	Tree
63.	<i>Terminalia arjuna</i>	Combretaceae	Tree
64.	<i>Terminalia catappa</i>	Combretaceae	Tree
65.	<i>Thespesia populnea</i> Sol. ex Corrêa	Malvaceae	Tree
66.	<i>Vernonia amygdalina</i> Del.	Asteraceae	Tree
67.	<i>Vitex negundo</i> L.	Lamiaceae	Tree
68.	<i>Vitex trifolia</i> L.	Lamiaceae	Tree
69.	<i>Wrightia tinctoria</i> R.Br.	Apocynaceae	Tree
70.	<i>Wrightia tomentosa</i> Roem. & Schult.	Apocynaceae	Tree
71.	<i>Aglaia elaeagnoidea</i> Benth.	Meliaceae	Shrub
72.	<i>Atalantia monophylla</i> (Roxb.) A.DC.	Rutaceae	Shrub
73.	<i>Bixa orellana</i> L.	Bixaceae	Shrub
74.	<i>Bougainvillea glabra</i> Choisy	Nyctaginaceae	Shrub
75.	<i>Caesalpinia pulcherrima</i> (L.) Sw.	Fabaceae	Shrub
76.	<i>Caesalpinia sappan</i> L.	Fabaceae	Shrub
77.	<i>Calotropis gigantea</i> (L.) Dryand.	Apocynaceae	Shrub
78.	<i>Carica papaya</i> L.	Caricaceae	Shrub
79.	<i>Carissa carandas</i> L.	Apocynaceae	Shrub
80.	<i>Citrus limon</i> (L.) Osbeck	Rutaceae	Shrub
81.	<i>Citrus medica</i> L.	Rutaceae	Shrub
82.	<i>Clausena dentata</i> (Willd.) Roemer	Rutaceae	Shrub
83.	<i>Clerodendrum glabrum</i> E.Mey.	Lamiaceae	Shrub
84.	<i>Coffea arabica</i> L.	Rubiaceae	Shrub
85.	<i>Commiphora wightii</i> (Arn.) Bhandari	Burseraceae	Shrub

86.	<i>Cycas circinalis</i> L.	Cycadaceae	Shrub
87.	<i>Gardenia jasminoides</i> J.Ellis	Rubiaceae	Shrub
88.	<i>Hibiscus rosa-sinensis</i> L.	Malvaceae	Shrub
89.	<i>Jasminum cuspidatum</i> Rottler	Oleaceae	Shrub
90.	<i>Justicia adhatoda</i> L.	Acanthaceae	Shrub
91.	<i>Morinda citrifolia</i> L.	Rubiaceae	Shrub
92.	<i>Morus alba</i> L.	Moraceae	Shrub
93.	<i>Murraya koenigii</i> (L.) Spreng.	Rutaceae	Shrub
94.	<i>Nerium oleander</i> L.	Apocynaceae	Shrub
95.	<i>Pandanus amaryllifolius</i> Roxb.	Pandanaceae	Shrub
96.	<i>Pandanus odorifer</i> (Forssk.) Kuntze	Pandanaceae	Shrub
97.	<i>Premna serratifolia</i> L.	Lamiaceae	Shrub
98.	<i>Punica granatum</i> L.	Lythraceae	Shrub
99.	<i>Scaevola taccada</i> (Gaertn.) Roxb.	Goodeniaceae	Shrub
100.	<i>Solanum torvum</i> Sw.	Solanaceae	Shrub
101.	<i>Tabernaemontana divaricata</i> R.Br. ex Roem & Schult.	Apocynaceae	Shrub
102.	<i>Volkameria inermis</i> L.	Lamiaceae	Shrub
103.	<i>Abrus precatorius</i> L.	Fabaceae	Climber
104.	<i>Adenia hondala</i> (Gaertn.) W.J.de Wilde.	Passifloraceae	Climber
105.	<i>Argyreia nervosa</i> (Burm.f.) Bojer	Convolvulaceae	Climber
106.	<i>Aristolochia indica</i> L.	Aristolochiaceae	Climber
107.	<i>Basella alba</i> L.	Basellaceae	Climber
108.	<i>Cissus quadrangularis</i> L.	Vitaceae	Climber
109.	<i>Cynanchum acidum</i> (Roxb.) Oken	Apocynaceae	Climber
110.	<i>Gymnema sylvestre</i> (Retz.) R.Br. ex Sm.	Apocynaceae	Climber
111.	<i>Jasminum officinale</i> L.	Oleaceae	Climber
112.	<i>Jasminum roxburghianum</i> Wall. ex C.B.Cl.	Oleaceae	Climber
113.	<i>Jasminum sambac</i> (L.) Aiton	Oleaceae	Climber
114.	<i>Piper longum</i> L.	Piperaceae	Climber
115.	<i>Salacia chinensis</i> L.	Celastraceae	Climber
116.	<i>Tinospora cordifolia</i> (Thunb.) Miers	Menispermaceae	Climber
117.	<i>Abelmoschus moschatus</i> Medik.	Malvaceae	Herb
118.	<i>Abutilon indicum</i> (L.) Sweet	Malvaceae	Herb
119.	<i>Aloe vera</i> (L.) Burm.f.	Asphodelaceae	Herb
120.	<i>Alpinia calcarata</i> (Haw.) Roscoe	Zingiberaceae	Herb
121.	<i>Alternanthera sessilis</i> (L.) R.Br. ex DC.	Amaranthaceae	Herb
122.	<i>Andrographis paniculata</i> (Burm.f.) Nees	Acanthaceae	Herb
123.	<i>Bacopa monnieri</i> (L.) Wettst.	Plantaginaceae	Herb
124.	<i>Baliospermum montanum</i> Müll.Arg.	Euphorbiaceae	Herb
125.	<i>Barleria cristata</i> L.	Acanthaceae	Herb
126.	<i>Barleria strigosa</i> Willd.	Acanthaceae	Herb
127.	<i>Boerhavia diffusa</i> L.	Nyctaginaceae	Herb
128.	<i>Caralluma umbellata</i> Haworth	Apocynaceae	Herb
129.	<i>Catharanthus roseus</i> (L.) G.Don	Apocynaceae	Herb
130.	<i>Centella asiatica</i> (L.) Urb.	Apiaceae	Herb
131.	<i>Coleus ambonicus</i> Lour.	Lamiaceae	Herb
132.	<i>Colocasia esculenta</i> (L.) Schott	Araceae	Herb
133.	<i>Costus speciosus</i> (J.Konig) Sm.	Costaceae	Herb

134.	<i>Cullen corylifolium</i> (L.) Medik.	Fabaceae	Herb
135.	<i>Curcuma caesia</i> Roxb.	Zingiberaceae	Herb
136.	<i>Curcuma longa</i> L.	Zingiberaceae	Herb
137.	<i>Cymbopogon citratus</i> (DC.) Stapf	Poaceae	Herb
138.	<i>Datura metel</i> L.	Solanaceae	Herb
139.	<i>Desmodium pulchellum</i> (L.) Benth	Fabaceae	Herb
140.	<i>Desmostachya bipinnata</i> (L.) Stapf	Poaceae	Herb
141.	<i>Dracaena angustifolia</i> (Medik.) Roxb.	Asparagaceae	Herb
142.	<i>Eclipta prostrata</i> (L.) L.	Asteraceae	Herb
143.	<i>Hemigraphis colorata</i> Hort.Bull.	Acanthaceae	Herb
144.	<i>Imperata cylindrica</i> (L.) P.Beauv	Poaceae	Herb
145.	<i>Justicia gendarussa</i> Burm.f.	Acanthaceae	Herb
146.	<i>Kalanchoe bhidei</i> T.Cooke	Crassulaceae	Herb
147.	<i>Kalanchoe pinnata</i> (Lam.) Pers.	Crassulaceae	Herb
148.	<i>Leea indica</i> (Burm.f.) Merr.	Vitaceae	Herb
149.	<i>Maranta arundinaceae</i> L.	Marantaceae	Herb
150.	<i>Musa paradisiaca</i> L.	Musaceae	Herb
151.	<i>Nelumbo nucifera</i> Gaertn.	Nelumbonaceae	Herb
152.	<i>Ocimum sanctum</i> L.	Lamiaceae	Herb
153.	<i>Plumbago zeylanica</i> L.	Plumbaginaceae	Herb
154.	<i>Rauvolfia serpentina</i> (L.) Benth. ex Kurz	Apocynaceae	Herb
155.	<i>Rauvolfia tetraphylla</i> L.	Apocynaceae	Herb
156.	<i>Sauropus androgynous</i> (L.) Merr.	Phyllanthaceae	Herb
157.	<i>Senna sophora</i> (L.) Roxb.	Fabaceae	Herb
158.	<i>Wedelia chinensis</i> (Osbeck) Merr.	Asteraceae	Herb
159.	<i>Withania somnifera</i> (L.) Dunal	Solanaceae	Herb
160.	<i>Zingiber zerumbet</i> (L.) Sm.	Zingiberaceae	Herb

Administrative work:

- All botany staff were involved in SMPU Annual progress report and CARI Bengaluru progress report preparation.
- Dr. V. Rama Rao, R.O. (Botany), Mrs. Nazneen R.A. (Botany), Mrs. R.Bhavana. R A (Botany)-Members of scrutiny committee- for walk-in interview for the post of SRF (Chemistry) under IMR-Collaborative project “Comparative Evaluation of Field and Hydroponic Cultivation of Selected Ayurvedic Medicinal Plants”.
- All the botany staff are actively involved in maintaining the greenery and cleanliness of CARI campus by instructing the MTS staff (on a daily basis) from time to time.
- Smt Ritu Sinha, RA(Botany) assisted Dr. Shubhashree M.N, R.O (Ayurveda) and team in Prakruti parikshan in Jyothi Institute of Technology.
- Dr. V. Rama Rao, R.O. (Botany) was selection committee member for Consultant (Ayu.)-01 post, Consultant (Medical)-01 post, SRF (Yoga) and SRF (Ayu.) (F.No.2-4/2021/CARI/BNG/Sel.com/982, dated 22.07.2024).
- Dr. V. Rama Rao, R.O. (Botany), Mrs. R. Bhavana, Research Assistant (Botany) were the members of the selection committee for 01 Post of JRF (Botany) (F.No.2-4/2021/CARI/BNG/Sel.com/3486, dated 27.03.2025).

- Mrs. Ritu Sinha and Mrs. Nazneen, Research Assistant (Botany), worked as a member of the scrutiny Committee in the walking interview of JRF Botany on 28.03.2025 at CARI, Bengaluru (F.No.2-4/2021/CARI/BNG/Sel.com/3485, dated-27.03.2025 and office order no1099/2024-25).

Annual Physical Verification 2024-25 (F.No-9-5/2024-2025/CARI/BNG/APV/2883, Dated-31.01.2025)

Dr. V. Rama Rao, R.O (Botany) Mrs. Ritu Sinha, RA (Botany)	All laboratory equipments AMC, Lift AMC, Generator AMC, HPTLC, Xerox machines AMC, STP AMC, Firefighting AMC, Computer AMC, Laboratory equipment software AMC, Pharmacy Software AMC, Biometric AMC, Water filter AMC & UPS. The committee can verify all AMC registers whether the AMC service providers are attending according to contract. If any valuable items are replaced, the old items status.
Mrs Nazneen, RA (Botany)	Equipment and furniture available in all sections of CARI, Admin Block / Hospital/ Thulasithota and make sure that all items purchased from market and GeM have been entered in non-recurring stock & issue register. Ongoing and completed project's equipment's transferred to institute's property stock register.
Mrs Bhavana, RA (Botany)	Library books, purchase of books register CCRAS Publication sales account have been properly entered. THCRP, SCSP, CoE Ambulance, Generator, diesel account register & vehicles log books.

Information provided to CCRAS and other institutes during 2024-25:

- Mrs. Ritu Sina, RA (Botany)- Reviewed tissue culture work of 300 plants from various published articles and submitted the data to MPR Section, CCRAS.
- Prepared a list of plants (medicinal plants, vegetables and fruits) to MPR Section, CCRAS for the establishment of Poshan Vatika.
- Consent submitted to RARI Pune to provide services for identification and authentication of medicinal plants mentioned in API/AFI as a part of NABL proficiency testing.

e-Office training-

- Online training on an upgraded version of eOffice on 03.05.2024 was conducted by the IT Section, CCRAS, New Delhi.
- e-Office training for 02 days- 28.08.2024 – 29.08.2024, conducted by IT Section, CCRAS, New Delhi.

Technical review meetings-

- Dr. V. Rama Rao, Research Officer (Botany), attended the CCRAS-MPR focus group coordinators' meeting on 12.06.2024, 18.07.2024.
- Conducted and attended MPR-MEBS focus group meeting on 20.06.2024 and 12.08.2024 and discussed about the New Project Proposals on MEBS.
- Attended MPR meeting to discuss the submission of SoE of ongoing MEBS projects and review of the projects on 16.05.2024, 17.05.2024.

- Attended review meeting on Ongoing Anukta Dravya's Project on 14.06.2024, review meeting on completed projects in Medicinal Plants Research on 19.06.2024, review meeting on MEBS Anthology Project on 24.07.2024 and a MPR review meeting for discussion on project update- Anthology of Pharmacognostical research outcomes of CCRAS on Selected medicinal plants used in Ayurveda" on 23.08.2024, MPR review meeting to discuss the IMR and Collaborative MEBS Project proposal, projects related to Cultivation on 03.10.2024, 06.12.2024 and review meeting on ongoing and completed IMR Projects-21.02.2025.
- Attend an MPR meeting to discuss the project proposal submission to NMPB on 18.09.2024 and 07.10.2024 and to discuss the status of the medicinal plant garden with reference to Himalayan Plants Conservation on 25.09.2024.
- Attended an ISC Meeting on 04.10.2024 conducted by the MPR Section, CCRAS, New Delhi.
- Attended VC meetings on 3.12.2024, 09.01.2025, 03.02.2025 and on 26.03.2025 for discussion about collaborative opportunities in the field of traditional medicine, to discuss format for documentation of wild edible plants, documentation dietary practices and Indigenous rituals and cultures, to finalize the strategies of documentation & validation of LHTs collected through MEBS and THCRP respectively.

Election duty during Karnataka Lok Sabha Elections-2024

- a) Dr. V. Rama Rao, R.O. (Botany), was appointed as PRO for Lok Sabha elections.
 07.04.2024- Attended 1st training at JSS Engineering College, Srinivasapura, Kengeri.
 17.04.2024- Attended 2nd training at ITI Vidyamandir, CBSE block, KR Puram.
 25.04.2024- Attended mustering at ITI CBSE Block, KR Puram.
 26.04.2024- Attended election duty at BVNHS Primary School, Devasandra, Bangalore
- b) Mrs. Nazneen R.A (Botany) was appointed as APRO for Lok Sabha elections.
 07.04.2024- Attended 1st training at JSS Engineering College, Srinivasapura, Kengeri.
 17.04.2024- Attended 2nd training at Marianikethan School, D Costa Layout.
 25.04.2024- Attended mustering at Marianikethan School, D Costa Layout.
 26.04.2024- Attended polling duty at East Point Pre-university College, HRBR Layout, Kalyan Nagar, Bangalore.
- c) Mrs. R.Bhavana. R A (Botany) was appointed as APRO for Lok Sabha elections.
 07.04.2024-Attended 1st training at JSS Engineering College, Srinivasapura, Kengeri.
 17.04.2024-Attended 2nd training at Dr. BR Ambedhkar Institute of Technology, Nagarbavi.
 25.04.2024-Attended mustering at Dr. BR Ambedhkar Institute of Technology, Nagarbavi.
 26.04.2024- Attended polling duty at Cauvery Education Society, Chandra Layout, Bangalore.

Visit of academic students during the year 2024-25

Sl. No.	Name of the College	Date	No. of students	Remarks
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1	Sri Sri Ayurveda Medical College (PG 1 st year students)	18.05.2024	51	Demonstration of Herbarium and museum sample preparation and storage
2	PG 1 st year Ayurveda students of Government Ayurveda Medical College.	28.05.2024	42	Demonstration of Herbarium and museum sample preparation and storage
3	Visit By MBBS Internees of KIMS Bengaluru	06.06.2024	3	Demonstration of Herbarium and museum sample preparation and storage
4	UG 1 st year Ayurveda students of Ramakrishna Ayurveda Medical College.	22.06.2024	42	Demonstration of Herbarium and museum sample preparation and storage
5	UG 2 nd year Ayurveda students of SDM Ayurveda Medical College	24.06.2024	47	Demonstration of Herbarium and museum sample preparation and storage
6	UG II year Ayurveda students of SDM Ayurveda Medical College	25.06.2024	50	Demonstration of Herbarium and museum sample preparation and storage
7	UG 2 nd year Ayurveda students of Achyutha Ayurveda Medical College	16.07.2024	45	Demonstration of Herbarium and museum sample preparation and storage
8	MBBS Internees of KIMS Bengaluru	27.07.2024	2	Demonstration of Herbarium and museum sample preparation and storage
9	UG 2 nd year Ayurveda students of Adichuchungiri Ayurveda Medical College	27.07.2024	41	Demonstration of Herbarium and museum sample preparation and storage
10	Final year Ayurveda students of Adichuchungiri Ayurveda Medical College	03.08.2024	49	Demonstration of Herbarium and museum sample preparation and storage
11	KTG Ayurveda medical college students	01/10/2024	44	Demonstration of Herbarium and museum sample preparation and storage
12	BAMS students from Sri Kalabairaveshwara swamy Ayurveda medical college	11/11/2024	79	Demonstration of Herbarium and museum sample preparation and storage
13	MD Ayurveda students from Government Ayurveda medical college, Bengaluru	30/12/2024	44	Demonstration of Herbarium and museum sample preparation and storage
14	Visit by B. Pharmacy, 5 th semester students and staff of East West College of Pharmacy	29.01.2025	41	Demonstration of Herbarium and museum sample preparation and storage
15	Visit by B. Pharmacy, students and staff of East Point College of Pharmacy	05.02.2025 & 06.02.2025	75	Demonstration of Herbarium and museum sample preparation and storage
16	T John College of Pharmacy, Bengaluru (M.Pharm)	20.02.2025	45	Demonstration of Herbarium and museum sample preparation and storage
Total			700	

INTRA MURAL RESEARCH PROJECT-1

Project title : Study and documentation of plant raw drugs for Substitution and Adulteration in the markets of South India (Karnataka, Kerala, Tamil Nadu, Andhra Pradesh & Telangana)

Principal Investigator : Nazneen, RA (Botany)

Co-Investigator(s) : Dr. V. Rama Rao, R.O. (Botany), Co-I (name): Dr. Tejaswini C., R.O. (Ayurveda), Sh. Suresh Kumar, R.A. (Chemistry), Dr. Thulasi R., R.A. (Botany) and Dr. Akansha Pandey, R.A. (Botany).

Duration : 2 years

Date of Initiation : 19/07/2024

Date of completion : 18/07/2026

Primary objective:

- Study of raw drugs from local markets of South India including Karnataka, Kerala, Tamil Nadu, Andhra Pradesh and Telangana.
- Observation of macro, microscopic & powder microscopic characters for authenticity of the collected raw drugs.
- Identification of alternative botanical sources of original raw material and their substitutes.
- Documentation of important diagnostic characters for the correct identification of selected raw drugs.

Budgetary details:

(Statement of expenditure from 01.04.2024 to 31-03-2025)

Sl. No	Head	Sanctioned Budget	Amount Released Till 31.03.2024	Total Expenditures/ Transferred till 31.03.2024	Amount Released During 2024-2025	Expenditure during 2024-25	Unspent balance (31.03.2024)
1	2	3	4	5	6	7	8
1	MTS, Salary @ Rs. 23,340/-	5,60,160	Nil	Nil	4,00,000/-	4,00,000/-	NIL
2	Recurring expenditures-chemicals and glasswares	2,00,000					
3	TA/DA: collect the drugs from local markets by participating institutes	6,00,000					
4	Contingency expenditure	4,00,000					
5	Miscellaneous expenditure	4,00,000					
Grand Total		21,60,160					

Instalments Details:

1st Instalment: Rs. 4,00,000/- released on 22-06-2023

(Ref: F. No. HQ-PROJ011/79/2024-PROJ O.O No. 392/2024-25 dated: 19-07-2024)

Total budget sanctioned : Rs. 21,60,160/-
 Total budget released : Rs. 4,00,000/-
 Total expenditure incurred : Rs. 4,00,000/-
 Balance amount : Nil (as on 31.03.2025)

Work Progress at CARI, Bengaluru during August 2024 to March 2025

- MTA recruited and joined on 01.08.2024.
- Chemicals and other work-related items (Containers, Slides, Sieve plates etc.) purchased.
- 27 Crude drugs have been purchased from Bengaluru market.
- Advance has been transferred for purchasing of drugs from PalakkadMarket transferred to NARIP, Cheruthuruthy Institute on 15.10.2024.
- 33 crude drugs from NARIP, Cheruthuruthy purchased from Palakkad market received on 28.12.2024.
- Macro and microscopic studies of Bengaluru market & Palakkad market purchased crude drugs is under progress.
- Olympus CX-31 Trinocular microscope service was done on 29.01.2025.
- Advance has been transferred for purchasing of drugs from Chennai Market transferred to CSMCARI, Chennai Institute on 25.02.2025.
- Purchased Mixer grinder-Preethi Xpro Duo 1300- Watt MG-198
- Received 25 crude drugs from CSMCARI, Chennai institute received on 07.03.2025.
- For HPTLC study required chemical reagents purchased on 22.02.2025.
- A review article written and mailed to headquarter botany section on 13.03.2025.
- For HPTLC study of 13 drugs markers..
- Received crude drugs from Mallapuram market.

Pharmacognostical study completed for Bengaluru market samples:

S. No.	Sample Name	Part
1.	Apmarga	Whole plant
2.	Vasa	Whole plant
3.	Ishwar mool	Root
4.	Pashanbheda	Bark
5.	Krishnajiraka	Fruit
6.	Swarnpatri	Leaf
7.	Tvakpatra	Leaf
8.	Tvak/Dalchini	Bark
9.	Bharangi	Root
10.	Pippali	Fruit
11.	Maricha	Fruit
12.	Nux vomica	Seed
13.	Lodhra	Bark
14.	Manjishtha	Root
15.	Sthulela	Fruit
16.	Danti	Root

Palakkad Market:Pharmacognostical study

S. No.	Sample Name	Part
1.	Pashanbheda	Root
2.	Krishnajiraka	Fruit
3.	Tvakpatra	Leaf
4.	Tvak/Dalchini	Bark
5.	Manjishtha	Root
6.	Lodhra	Bark
7.	Nux vomica	Seed
8.	Patha	Root
9.	Chavya	Stem

INTRA MURAL RESEARCH PROJECT-II

Project title : Documentation of Wild Edible and Medicinal Plants Available in different market of southern part of Western Ghats in Karnataka State”

Principal Investigator : Dr. V. Rama Rao, R. O. (Bot.)

Co-Investigator(s) : Dr. S H Doodamani, R. O. (Ayu.)
: Dr. Thejaswini C., R. O. (Ayu.)
: Ms. Bhavana R., R.A. (Bot.)
: Ms. Ritu Sinha, R.A. (Bot.)

Duration : 2 years

Date of Initiation : 10.09.2024

Exptected date of Completion : 10.03.2027

Objectives :

- Survey of documentation of wild edible and medicinal plants from the local vegetable markets/ weekly santhe in southern Western Ghats of Karnataka State
- Study of morphological characters and key identification features of wild edible and medicinal plants for further validation
- Documentation of voucher specimens, museum samples, GPS location along with good quality photographs of useful parts

Secondary objective:

- To update the raw drug repository of important wild edible and medicinal plants at CARI Bengaluru

Budgetary and Expenditure details

S.No	Year	Sanctioned Amount	Released Amount	Expenditure	Unspent
1	2024-2025	19,80,160	7,00,000	7,00,000	nil

1stinstallment: Rs. 7,00,000/- released on 17th February 2023 (Sanction order: O.O. No: 587/2024-25, dtd. 10.09.2024)

Project status: Ongoing

Work Progress:

During the reporting period, local markets in Hassan district (Sakleshpura, Bisleghat) have been visited and documented information on 5 wild edible plants have been recorded. Herbarium specimens were collected and processed.

Procurement of video camera, lens, scanner and other non-recurring items was completed by following the codal formalities.

Details of tours conducted during the reporting period:

Sl. No.	Name of the areas surveyed	Survey dates	No. of days (including journey)	No. of photographs documented
1.	Survey and documentation of wild edible plants from local markets in Hassan district	25.11.2024 to 27.11.2024	3 days	Information on 02 edible uses were documented from local markets of Hassan district
	Journey from CARI Bengaluru to Hassan and night stay.	25.11.2024	Day-1	
	Conducted survey in Sakleshpura area local markets of Hassan district and documented wild edible plants along with photographs and herbarium.	26.11.2024	Day-2	
	Return journey from Hassan to CARI Bengaluru	27.11.2024	Day-3	
2.	Survey and documentation of wild edible plants from local markets in Hassan district	03.02.2025 to 06.02.2025	4 days	Information on 03 edible uses were documented from local markets of Hassan district
	Journey from CARI Bengaluru to Hassan and night stay	03.02.2025	Day-1	
	Conducted survey in Sakleshpura area local markets of Hassan district and documented wild edible plants along with photographs and herbarium	04.02.2025	Day-2	
	Conducted survey in Bisleghat forest areas of Hassan district and documented wild edible plants	05.02.2025	Day-3	
	Journey from Hassan to CARI Bengaluru	06.02.2025	Day-4	

Details of plants documented from local markets in Hassan district during the reporting period

Sl. No.	Plant name	Local name	Family	Source of plant/ place of occurrence	GPS data	Part used	Mode of use	Habitat/ wild/ domestic	Medicinal use/ Nutritional benefits	Status of imported/ indigenous /authentic/ substitute/ adulterant	IUCN status

1.	<i>Lageneria siceraria</i> (Molina) Standl.	Sorekayi	Cucurbitaceae	Growing in waste lands	13° 02' 40.56" N 75° 50' 07.31" E	Tender stem	In the form of curry	Growing wild in waste lands	Blood pressure	Indigenou s	Not included
2.	<i>Alocasia macrorrhiza</i> (L.) G.Don	Kesavugadda	Araceae	Open forest lands and road sides	13° 02' 40.56" N 75° 50' 07.31" E	Root tubers	In the form of curry	Extensively growing wild in open lands	Alleviates Vata	Indigenou s	Not included
3.	<i>Psidium guajava</i> L.	Seebe	Myrtaceae	Planted	12° 43' 05.53" N 75° 41' 35.04" E	Tender leaves	Oral	Growing at home gardens and some times as an escape plant	Tender leaves when chewed during early morning with empty stomach will help in control diabetes	Indigenou s	Least Concern (LC)
4.	<i>Ziziphus rugosa</i> Lam.	Kottemullu	Rhamnaceae	Wild	12° 43' 50.28" N 75° 42' 32.04" E	Stem bark	Oral	Dry to moist deciduous forests	Stem bark is boiled with boiled rice and consumed to cure mouth ulcers	Indigenou s	Least Concern (LC)
5.	<i>Remusatia vivipara</i> Schott	Maraginkadubu	Araceae	Wild	12° 43' 05.53" N 75° 41' 35.04" E	Tuber	Oral	Growing in trees crevice's		Indigenou s	-

Survey and documentation of from the local markets in the districts of Mysuru, Hassan, Chickmagalur, Kodagu, Dakshina Kannada and Udupi is under progress. The collected herbarium samples from Hassan district under preparation for herbarium.

Present status: Ongoing

Collaborative Hydroponics Project with IIHR, Bengaluru

Project title : **Comparative Evaluation of Field and Hydroponic Cultivation of selected Ayurvedic Medicinal Plants**

Principal Investigator : Dr. V. Rama Rao, Research Officer (Botany)
: Dr. Hima Bindu, Principal Scientist, IIHR, Bengaluru

Co-Investigator(s) : Dr. Shiddamallayya, R.O.(Botany), CCRAS, New Delhi
: Dr. D Kalaivana, Senior Scientist, IIHR, Bengaluru
: Dr. Safeena, Senior Scientist, IIHR, Bengaluru

Duration : 3 years

Date of Initiation : 09.02.2023

Date of completion : Ongoing

Primary objective:

- Standardization of cost-effective production technology for soilless cultivation/hydroponics for selected herbs.
- Evaluation of growth, yield, physicochemical, phytochemical, bioactive compounds in three systems of cultivation for selected herbs.
- Multiplication of herbs through the three systems.
- Economics of cultivation in three systems of cultivation for selected herbs.

Hypothesis:

- Proposed herbs can be grown in soilless media and hydroponics.
- The quality and chemical content is on par with field grown /wild collection.
- Alternate growth media can help in rapid multiplication and conservation of demanded medicinal plants.
- Innovative methods can help in production of quality herbs throughout year.

Budgetary details:

(Statement of expenditure from 01.04.2024 to 31-03-2025)

S.No.	Head	Sanctioned budget	Amount released	Expenditure	Unspent balance as on (31.03.2025)
1	Salary	16,00,200	7,15,670	6,09,490	NIL
2	Non Recurring	4,30,000		-	
3	TA	1,00,000		21,285	
4	Consumables & Misc.	3,00,000		68,196	
5	Contingency	2,00,000		16,699	
6	Total	2630200	7,15,670	7,15,670	

Instalments Details:

1st Instalment: Rs. 15,98,545/- released on 12-06-2024

(Ref: F. No. HQ-PROJ011/22/2023-PROJ/1514 dated: 12-06-2024)

Rs 14,21,575/- was transferred to ICAR-IIHR, Bengaluru

2nd Instalment: Rs. 2,14,300/- released on 10-09-2024

(Ref. No.F. No. HQ-PROJ011/22/2023-PROJ/3617. Dated: 10-09-2024)

3rd Instalment: Rs. 3,24,400/- released on 20-03-2025

(Ref: F. No. HQ-PROJ011/22/2023-PROJ/8140. Dated: 20-03-2025)

Total budget sanctioned : Rs. 26, 30, 200/- (to CARI, Bengaluru)
Total budget released : Rs. 7,15,670/-
Total expenditure incurred : Rs. 7,15,670/-
Balance amount : Nil (as on 31.03.2025)

Work Progress at CARI, Bengaluru during (June 2023 to March 2024)

Procurement of planting material for cultivation at IIHR, Bengaluru:

- About 200 plant saplings of *Rubia cordifolia* were procured from the plant nursery at University of Agricultural Sciences, GKVK, Bengaluru and same have been supplied to IIHR, Bengaluru for cultivation under filed, hydroponic and soilless cultivation.
- 100g *Boerhavia diffusa* L. seeds were supplied to IIHR, Bengaluru.
- Regularly visited IIHR, Hesaraghatta, Bengaluru for soil, soilless and hydroponic cultivation units for observing the applications of Kunapajala and Jeevamrutha in plants cultivation.
- Collected *Uraria picta*- field dried root samples and conducted phytochemical estimation-method development and method validation using HPTLC for lupeol.

Monitoring of cultivation experiments at ICAR-IIHR, Bengaluru:

- The botany team from CARI Bengaluru have been visiting ICAR-IIHR, Bengaluru and monitoring agro-techniques of the selected medicinal plants under filed, hydroponic and soilless cultivation.
- The botany team from have visited IIHR, Hesaraghatta, Bengaluru, collected *Uraria picta* L. (Root) S1N5 and S3N5 samples grown in cocoponics. Solvent extraction of different samples - HPTLC analysis for Lupeol estimation in *Uraria picta* L. grown in field & cocoponics conditions of is completed.

Review of Literature and Publications:

- Reviewed literature and collected information of selected medicinal plants viz. Manjista (*Rubia cordifolia*), Prsniparni (*Uraria picta*), Shankapushpi (*Convolvulus pluricaulis*) Rakta Punarnava (*Boerhavia diffusa*) and Pippali (*Piper longum*) is under progress.
- One research article on “Validation of the High Performance Thin Layer Chromatography (HPTLC) method for the quantitative analysis of Lupeol in *Uraria picta* extract” was published in Plant Biochemistry and Biotechnology Reviews.
- A research article on “Validation of a High-Performance Thin-Layer Chromatography (HPTLC) Method for the Quantitative Analysis of Lupeol in *Uraria picta* Extract” has been prepared and communicated to “Journal of Plant Biochemistry and Biotechnology” during the reporting period.
- Comparative analysis of Piperine estimation in piper longum second season Root & Fruits grown in different conditions is under progress
- Attended workshop for Extraction & Isolation of Phytoconstituents in HPTLC Analysis at Indra Institute of Pharmacy Sadavali (Devrukh) Ratnagiri Maharashtra India for 2 days.

Work Progress at ICAR-IIHR Bengaluru during the reporting period

- Prishnaparni (*Uraria picta*) roots have been harvested from both field and soilless cultivation at 10 months after planting and samples given to CARI, Bengaluru for rhoifolin content analysis.
- Pippali (*Piper longum*) root harvest has been taken for second time from both field and soilless cultivation at 16 months after planting and samples given to CARI, Bengaluru for piperine content analysis.
- Soilless cultivation experiment has been taken for manjishta (*Rubia cordifolia*) and Shankapushpi (*Convolvulus pluricaulis*) with 3 substrate (S1-Arka fermented cocopeat alone (AFC), S2- AFC: Vermicompost 1:1v/v, S3- AFC: Vermicompost: Compost 1:1:1 v/v) and 5 nutrient levels.
- Field cultivation experiment has been taken for manjishta (*Rubia cordifolia*) with two inorganic and five organic nutrient treatments i.e kunapa jala, jeevambruta, FYM & vermicompost along with one control.
- Field and soilless cultivation of Prishnaparni (*Uraria picta*) have been taken up for the second time.
- Hydroponic cultivation experiment with Linear NFT (Nutrient Film technique) has been taken Prishnaparni with one inorganic and two organic treatments.
- Observations on growth attributes have been recorded in all system of cultivation.

Collaborative Project Panchavalkal with UAS-GKVK, Bengaluru

Project title : Study of seasonal variation of bioactive compounds of Panchavalkal-05 Medicinal Plants used in Ayurveda
Principal Investigator : Dr. V. Rama Rao, Research Officer (S-2) Botany.
Co-Investigator(s) : Dr. Shiddamallayya, R.O. (Botany), CCRAS, New Delhi
Duration : 2 years (extended up to 31.10.2026)
Date of sanction : 14.02.2023
Date of Initiation : 14.02.2023
Date of completion : 31.10.2026

Primary objectives of the Project:

- Exploration of wild population of Panchavalkal group of medicinal plants (*Ficus species* and *Thespesia populnea*) around Bengaluru, Karnataka
- Assessment of seasonal variation in bioactive compounds in *Ficus species* and *Thespesia populnea* for Panchavalkal in six *ritus*.

Budgetary details:

Sl. No.	Installment	Sanction order	Date	Date of receipt of fund
1	1,23,000	CCRAS office order dated 02.06.2023	02/06/2023	26/06/2023
2	1,23,000	CCRAS office order dated 14.11.2023	14/11/2023	16/11/2023
3	1,59,000	CCRAS office order dated 14.03.2024	14/03/2024	14/03/2024
4	2,75,821	CCRAS office order dated 17.12.2024	17/12/2024	17/12/2024
5	84,253	CCRAS office order dated 20.03.2025	20/03/2025	25.03.2025

Instalments Details:

1st Instalment: Rs. 1, 23, 000/- released on 26-05-2023

(Ref: F. No. HQ-PROJ01124/2023-PROJ/1190; Dated 26-05-2023)

2nd Instalment: Rs. 1, 23, 000/- released on 06-11-2023

(Ref: F. No. HQ-PROJ01124/2023-PROJ/5342; Dated 06-11-2023)

3rd Instalment: Rs. 1, 59,800/- released on 21-03-2024

(Ref: F. No. HQ-PROJ01124/2023-PROJ/; Dated 14-03-2023)

4th Instalment: Rs. 2,75,821/- (Date: 17.12.2024)

5th Instalment: Rs. 84,253/- (Date: 20.03.2025)

Total budget sanctioned: Rs. 9,76,000/-

Total budget released: Rs. 7,65,874/-

Total expenditure incurred: Rs. 7,65,874/-

Balance amount: Nil (as on 31.03.2025)

Work Progress of Panchavalkal project at CARI, Bengaluru

1. Survey and collection of plant samples:

Conducted survey in and around Bengaluru city surroundings and collected useful part (stem bark) of the four selected medicinal plants (*Ficus benghalensis* L., *Ficus religiosa* L. *Ficus racemosa* L. and *Thespesia populnea* L.) for six seasons as per Ayurveda under the study. One selected species viz., *Ficus virens* Aiton collected seasonally from Sakleshpura surrounding areas in Hassan district. The collected plant samples, after proper drying, powdered and supplied to University of Agricultural Sciences, GKV Bengaluru for analysis of bioactive compounds to see the seasonal variation.

S.No	Season	Date of Collection	Quantity (in Kg)				Remarks
			Fresh Stem bark		Dry stem bark powder		
			Young	Mature d	Young	Matured	
1.	Vata (<i>Ficus benghalensis</i> L.)						
	Vasantha (Spring)	01.05.2024	3.000		2.000		Supplied
	Grishma (Summer)	25.06.2024	2.000	3.000	1.300	1.500	Supplied
	Varsha (Monsoon)	05.09.2024	3.000	3.000	2.000	2.000	Supplied
	Sharad (Autumn)	21.11.2024	4.000	3.000	2.000	2.000	Supplied
	Hemanta (Late autumn)	18.01.2025	3.500	3.500	2.000	2.000	Supplied
	Shishira (Winter)	22.03.2025	3.000	3.000	Drying	Drying	Under process
2	Plaksha (<i>Ficus virens</i> Aiton.)						
	Vasantha (Spring)	21.05.2024	2.500		1.500		
	Grishma (Summer)	11.07.2024	3.000	3.000	0.900	2.000	Supplied
	Varsha (Monsoon)	12.09.2024	3.000	3.000	1.400	1.500	Supplied
	Sharad (Autumn)	25.11.2024	4.000	3.000	2.600	2.000	Supplied
	Hemanta (Late autumn)	04.02.2025	3.100	4.000	1.200	2.000	Supplied
	Shishira (Winter)	25.03.2025	3.000	3.000	Drying	Drying	Under process
3	Ashwatha (<i>Ficus religiosa</i> L.)						
	Vasantha (Spring)	02.04.2024	3.000		1.700		Supplied
	Grishma (Summer)	26.06.2024	3.000	3.000	0.800	1.200	Supplied
	Varsha (Monsoon)	13.08.2024	3.000	3.000	2.000	2.000	Supplied
	Sharad (Autumn)	23.10.2024	4.000	3.000	2.000	2.000	Supplied
	Hemanta (Late autumn)	22.01.2025	4.000	3.500	1.600	2.000	Supplied
	Shishira (Winter)	17.03.2025	3.000	3.000	Drying	Drying	Under process
4	Udumbara (<i>Ficus racemosa</i> L.)						
	Vasantha (Spring)	02.04.2024	3.000		1.600		Supplied
	Grishma (Summer)	26.06.2024	3.000	3.000	1.000	2.000	Supplied
	Varsha (Monsoon)	12.08.2024	3.000	3.000	1.200	2.000	Supplied
	Sharad (Autumn)	23.10.2024	4.000	3.000	3.200	2.000	Supplied
	Hemanta (Late autumn)	20.01.2025	3.500	3.800	1.600	2.000	Supplied
	Shishira (Winter)	12.03.2025	3.000	3.000	Drying	Drying	Under process
5	Parisha (<i>Thespesia populnea</i> L.)						

	Vasantha (Spring)	24.04.2024	6.000		2.000		Supplied
	Grishma (Summer)	25.06.2024	3.000	3.000	1.500	2.000	Supplied
	Varsha (Monsoon)	10.09.2024	3.000	3.000	2.000	2.000	Supplied
	Sharad (Autumn)	23.11.2024	4.000	3.000	3.000	1.000	Supplied
	Hemanta (Late autumn)	24.01.2025	3.500	3.500	2.000	2.000	Supplied
	Shishira (Winter)	22.03.2025	3.000	3.000	Drying	Drying	Under process

Work Progress at UAS-GKVK, Bengaluru during the reporting period

2. Assessment of variation in bioactive compounds of Panchavalkal plants (four *Ficus* species and *Thespesia populnea*).

- During the reporting year, HPLC analysis of the collected stem bark (matured and young) samples for three ritus (Grishma, Varsha and Sharad) has been completed.
- Samples have been preparation for quality analysis for the collected samples (matured and young) of Hemanta ritu is under progress.

3. Research work which remains to be done under the project

- Continued sample collection and quality analysis on panchvalkal-5 species of medicinal plants for rest of the two ritus (Shishira and Vasanta) is under progress.

III. Summary of the work carried out during the reporting year:

- a) Number of survey tour/s conducted with area and duration: 02 market survey tours in Hassan district conducted during 2024-25.
- b) Field numbers used in the register : 68 numbers
- c) Number of plant specimens collected : 68 specimens
- d) Number and name of plants identified : 68 plants
- e) Number of Herbarium specimens prepared : 68 specimens
- f) Number of specimens entered in the accession register : 68 numbers
- g) Number of local tours conducted for collection of raw drugs: 15 tours
- h) Number of museum samples collected : 20 samples
- i) Number of raw drugs collected : 200 crude drugs
- j) Quantity of raw drugs collected (fresh weight) : 456.50 kg
Quantity of raw drugs collected (dry weight) : 151.60 kg
- k) Number of raw drugs supplied : 185 crude drugs
- l) Quantity of raw drugs supplied (dry weight) : 339.05 kg
- m) Folk-lore claims collected : 11 LHTs
- n) Number of photographs shot : 110 photographs
Number of photographs shot (crude drugs) : 100 photographs
- o) Resource generation (Rs.) : Rs. 1,82,000
- p) Number of crude drugs authenticated : 783 samples
- q) Publications (published) : 02 articles
Publications (communicated) : 02 articles

II. 7.6. & 7.7 Drug Standardization Research (DSRU)

The unit is engaged in Chemico-Pharmacognostical studies on single drugs (plant/animal/mineral origin), compound formulations and related literature compilations in order to lay down Pharmacopoeial / Pharmacognostical standards.

Under Ayurvedic Preparation of compound formulations and chemical analysis, 149 formulations have been prepared and chemically analyzed. The chemical analysis involved physico-chemical studies, qualitative and quantitative estimations and chromatographic studies. Chemical analysis on 175 single drugs which are the ingredients of compound formulations, Pharmacognostical studies on 180 single drugs, TLC studies and Powder studies of 39 single drugs from the allotted list have been carried out, whereas HPTLC studies of 313 drug samples have been performed.

Chemical studies include physico- chemical, inorganic, Organic analysis, T.L.C and UV studies. Pharmacognostical studies include micro & macroscopic studies and in some cases powder analysis. Method of manufacture/ preparation has also been chemically standardized for few formulations. About 23 compound formulations were prepared and analyzed for periodical study and for the expiry period/shelf life study including the effect of packing material, time and light factors on the constituents of the compound formulations.

Under the allotted preparation of single drug Pharmacopoeial monograph, pharmacognostical studies (macroscopic & microscopic characters and powder microscopy with camera Lucida drawings) of 10 drugs have been completed. Likewise, quantitative parameters and TLC finger print profiles of drug powder, water -alcohol extract and water extracts of 20 drugs have been completed, whereas phytochemical analysis of 15 drug samples have been done. Till date, monograph work for 60 compound formulations and 113 single drugs has been prepared and submitted to the Council.

During the reporting period, the following activities have been done:

I) Experimental Activities:

1) Under the project entitled “Comparative evaluation of field and hydroponic cultivation of selected Ayurvedic Medicinal Plants”

A) Analysis of *Piper longum* lant for season-1

Details of sample are as following:

Root (08 Sample) -: R1T1, R1T2, R1T3, R1T4, R1T5, R1T6, R1T7, R1T8

Cocoponics grown bags (12 sample): S1N1, S1N2, S1N3, S1N4
S2N1, S2N2, S2N3, S2N4
S3N1, S3N2, S3N3, S3N4

Fruit (12 sample): S1N1, S1N2, S1N3, S1N4
S2N1, S2N2, S2N3, S2N4
S3N1, S3N2, S3N3, S3N4

Total samples: 32

Analysis of *Piper longum* plant for season-2

Details of sample are as following-

Root (08 Sample) :- R1T1, R1T2, R1T3, R1T4, R1T5, R1T6, R1T7, R1T8

Cocoponics grown bags (12 sample): S1N1, S1N2, S1N3, S1N4
S2N1, S2N2, S2N3, S2N4
S3N1, S3N2, S3N3, S3N4

Fruit (12 sample): S1N1, S1N2, S1N3, S1N4
S2N1, S2N2, S2N3, S2N4
S3N1, S3N2, S3N3, S3N4

Total sample: 32

Total sample – season 1 + season 2 = 32+32 = 64

B) Analysis of *Uraria picta* plant samples:

Root (08 Sample) -: R1T1, R1T2, R1T3, R1T4, R1T5, R1T6, R1T7, R1T8

Cocoponics grown bags (12 sample) – S1N1,S1N2,S1N3,S1N4
S2N1,S2N2,S2N3,S2N4
S3N1,S3N2,S3N3,S3N4

Total samples: 20

Abbreviation- R1T1 i.e. Root 1 Treatment 1, R1T8 i.e. Root 1 Treatment 8.

S1N1 i.e. Substrate 1 Nutrient 1, S1N4 i.e. Substrate 1 Nutrient 4

From above it is concluded that, HPTLC of 84 number of samples of plant *Piper longum* and *Uraria picta* has been performed under the project Hydroponics.

2) HPTLC of total 176 number of samples of Varadi and Mustadi, under the Bioavailability of project Centre of Excellence were performed, details of which are as following-

Sr. no.	Name of Sample	Total samples	Date	Remark
1.	S1V	08	20/12/2024	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
2.	S1M	08	01/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
3.	S2V	08	01/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
4.	S2M	08	01/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
5.	S3V	08	01/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
6.	S4M	08	21/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
7.	S5M	08	21/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
8.	S5V	08	21/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
9.	S6M	08	21/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
10.	S6V	08	21/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
11.	S7V	08	21/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
12.	S7M	08	21/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
13.	S8M	08	24/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
14.	S8V	08	24/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
15.	S9M	08	24/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
16.	S9V	08	24/01/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
17.	S10M	08	07/02/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
18.	S10V	08	07/02/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
19.	S11M	08	07/02/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
20.	S11V	08	07/02/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
21.	S12M	08	07/02/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.
22.	S12V	08	07/02/2025	0 hr /0.5 hr /1 hr /1.5 hr /2 hr /3 hr /4 hr /6 hr.

3) HPTLC of total 21 number of samples received from various Institutions were performed, details of which are as following:

Sr. No.	Name of Institute	Name of sample	Remark
1.	Shalakya tantra from Sri Sri College of Ayurvedic Science and research hospital, Bengaluru	Haridra Yashtimadhu kumara lepa	Physicochemical constients and Phytochemical analysis
2.	Govt Ayurveda Medical College, Bengaluru	Nagaradi taila and Ksheerbala taila	HPTLC analysis.
3.	Dept. of Shalakya Tantra, Dept of PG & Ph.D. Studies in Shaakya Tantra, GAMC Bngaluru	Bhibitaki ghrita, Iodra Seka and Rajayandi Seka	HPTLC analysis.
4.	Dept. of Shalakya Tantra, Dept of PG & Ph.D. Studies in Shaakya Tantra, GAMC Bngaluru	Lashunadi yoga and Shruna vera swaraja	HPTLC analysis.
5.	Dept. of Shalakya Tantra, Dept of PG & Ph.D. Studies in Shaakya Tantra, GAMC Bngaluru	Shatavari Ghrita	HPTLC analysis.
6.	Dept. of Shalakya Tantra, Dept of PG & Ph.D. Studies in Shaakya Tantra, GAMC Bngaluru	Kushtadi churna and Lakshadi taila	HPTLC analysis.
7.	Dept. of Shalakya Tantra, Dept of PG & Ph.D. Studies in Shaakya Tantra, GAMC Bngaluru	Vidanga Taila and Shunti vidangadi grita	HPTLC analysis.
8.	Dept. of Shalakya Tantra, Dept of PG & PhD Studies in Shaakya Tantra, GAMC Bengaluru	Kantalikadganjana and Chitrakadi kashaya	HPTLC analysis.
9.	Dept. of PG studies in Shalya Tantra, Sri Sri College of Ayurvedic Science, Bengaluru	Clove oil petal suppository (Lavanga taila varti)	pH and HPTLC analysis.
10.	Dravyaguna Government Ayurveda Medical College, Bengaluru	Jatipahala churna, Ushira churna	HPTLC analysis.
11.	Dept. of PG Studies in Shalya Tantra, Sri Sri College of Ayurvedic Science, Bengaluru	Nirgundi Patra Arka	HPTLC analysis.
12.	College of Pharmaceutical sciences, Dayananda Sagar Uni., Bengaluru	<i>Pedaliium murex</i> root	HPTLC analysis.

II) Miscellaneous Activities:

1. For pursuing of research activities, referencing of some research articles and journals were carried out.
2. Servicing of HPTLC system, which was done by the Service engineer of Anchrom Pvt. Ltd., Mumbai.
3. Total 700 students in batches from various Institutions of Ayurveda, under graduate students of KIMS Medical College, Bengaluru and other visitors/stakeholders were imparted training about various activities performed in the DSRU.

8. Literary Research:

The literary project on Dr. Jayashree KS for documenting Life-profiles as a part of the Admirable Personalities to Transform Ayurveda (APTA)" was assigned to Dr. Shubhashree MN and Dr. Bhavya BM CARI, Bengaluru. This project aims to give a glimpse of the significant contributions made by Dr. KS Jayashree in the field of Ayurveda. With a strong foundation grip in basic principles of Ayurveda she has always promoted in-depth understanding of Ayurvedic classics. Dr. KS Jayashree is a renowned Ayurvedic physician whose contributions as a teacher, clinician, and philanthropist have left an indelible mark in the field of Ayurveda. With a deep commitment to holistic healing, she has not only treated countless patients but also inspired and mentored numerous students, sharing her wealth of knowledge and experience. As a clinician, her approach blends traditional wisdom with modern insights, offering effective and compassionate care. Beyond her professional practice, Dr. Jayashree has dedicated herself to philanthropy, supporting initiatives that promote Ayurveda in underserved communities and making natural healing accessible to all. Her work reflects her unwavering dedication to the well-being of both individuals and society. Her profound contributions as a healer whose touch has mended not just the physical ailments of our community but also the spiritual and emotional challenges faced by many individuals.

9. Family Welfare & RCH etc.: No projects under Family Welfare & RCH during 2024-25.

10. List of Institute Ethical Committee

Sr. No.	Name with Contact no.	IEC status
1.	Dr. B. A. Venkatesh Ex. Principal, No.269/270, BM Kaval, Udayapura, (PO) 21 Kanakapura road, Bengaluru 560 082. E-mail: dr.bavenkatesh@gmail.com Mob. No. 9845015567	Chairperson
2.	Dr. Prof. Geetha Dept. of Pharmacology, Bengaluru Medical College and Res. Institute, Fort K.R. Road, Bengaluru – 560002. geetha25bmcric@gmail.com Mobile No.9886224085	Member (Basic Medical Scientist)
3.	Dr. Vikram.S. Prof & Head Dept. of Rasashastra & Bhaishajya Kalpana, Sri Sri College of Ay. Science & Res. Survey, Bengaluru – 560 082. Mobile No-9886262361 Email:vikram_ayur@yahoo.com/drvikramayur@gmail.com	Member (Basic Medical Scientist)
4.	Dr. Anant Desai No.1580, B Block, 13 th Main, Sahakar Nagar, Bengaluru – 560 092. Mob. No.9448185896, Anantdesai30@gmail.com	Member (Clinician Ayurveda)
5.	Dr M. Ravikeerthy F.No.C-101, 2nd FLOOR GAGAN YALE Apartment, Next to Baldwin School, BEML 5th Stage Rajarajeswarinagar Bengaluru-560 098 Mobile:09845295227,6361782197 Email:ravikeerthym@gmail.com	Member (Clinician Modern Medicine)
6.	Smt. Swayamprabha.H.C. Advocate, 241, Ist floor, Nandi Mansion, Araleudi compound, Cottonpet road, Bengaluru. Mob. No. 9844159464. swayamprabha.hc@gmail.com	Member (Legal Expert)
7.	Mrs. Sarah Abraham Principal, No 1008, Sobha Hill view Apts, Thalaghattapura, Bengaluru – 560 109. Mobile No.9916334453. Email: sarahabraham56@gmail.com	Member (Social Scientist)
8.	Shri. Krishna Kumar # 87, ‘SURABHI’ VISL Layout, Ist Main, 3 rd cross, “Silk Institute Metro Station” off Kanakapura Main Road, Thalaghattapura, (Near S.S. Vruddi Apartment) Bengaluru – 560 109. Mobile no.8073535371/9980631599. silkyman61@gmail.com	Member (Lay person)
9.	Dr. Shubhashree MN Research Officer (Ayurveda) Central Ayurveda Research Institute, Bengaluru shubhathejas@gmail.com 9448016968	Member Secretary

11. Library

- i) No. of books available up to previous year: **2074**
- ii) No. of books purchased during the reporting year: **23**

Sr. No:	Name of the books	Quantity	Cost (Rs.)
1.	Sarngadhara samhita	1	322
2.	Charak samhita (I)	1	406
3.	Charak samhita (II)	1	439
4.	Charak samhita (III)	1	413
5.	Charak samhita (IV)	1	293
6.	काया चिकित्सा (vol I)	1	211
7.	काया चिकित्सा (vol II)	1	406
8.	काया चिकित्सा (vol III)	1	293
9.	योगरत्नाकरा	1	517
10.	सुश्रुता संहिता मूल	1	179
11.	चरक संहिता I	1	488
12.	चरक संहिता II	1	494
13.	सुश्रुता संहिता सुश्रुत	2	995
14.	सारंगधरा संहिता	1	276
15.	आयुर्वेदीय रसशास्त्र	1	293
16.	वैद्य जीवन	1	49
17.	कस्तूरी	1	16
18.	सारंगधरा संहिता	1	293
19.	अस्तंग हृदय	1	471
20.	चरका संहिता	1	211
21.	भावप्रकाश निघंटु	1	626

12. Collaborative studies taken up by the Institute:

12.1. A Randomized Placebo Controlled Prospective Phase II Clinical Study of Ayurvedic coded drug 'AYUSH D' on Glycemic control in Prediabetic Subjects

Coordinating Institute: RARIMD, Bengaluru

12.1.1. Objectives

- Primary Objective: To evaluate the clinical efficacy of 'AYUSH-D' as therapy for glycemic control in the management of pre-diabetes.
- Secondary Objective: To evaluate the clinical safety of 'AYUSH- D' as therapy for glycemic control in the management of pre-diabetes.

12.1.2. Study Design: Randomized Placebo Controlled Double blind Phase -2 Clinical Study.

12.1.3. Sample Size: 264 (66 in each centre)

12.1.4. Approval of IMR-F.No. 27-24/2015-CCRAS/Tech/Hq/589 dt. 26.05.2016

12.1.5. Duration of Study: 30 months

12.1.6. Interventions

- Group 1:** Diet & Lifestyle modification + AYUSH D (2 tablets of 1 gram each thrice daily) before meals.
- Group 2:** Diet & Lifestyle modification + Placebo (2 tablets of 1 gram each thrice daily) before meals.

12.1.7. Participating center along with PI:

Sl. No	Name of the Institute	Name of the Principal Investigator	Name of the Co-Investigator
1.	Regional Ayurveda Research Institute for Metabolic Disorders, Bangalore	Dr. Shubhashree M.N Research Officer (Ay.) Dr. Kishore Kumar R., RO (Ay.) Co-PI - Dr. Raveendra K R Prof. of Medicine, BMCRI, Bengaluru.	Dr. C. R. Jayanthi Principal & Professor, Dept of Pharmacology, BMCRI, Bengaluru Dr. RaghavendraNaik Research Officer (Ay.)
2.	All India Institute of Medical Sciences (AIIMS), New Delhi	Dr. Rajesh Khadgawat Professor, Department of Endocrinology & Metabolism (DoEM), All India Institute of Medical Sciences (AIIMS)	Dr. Vikram Naval, Prof., Dept of Medicine, AIIMS, New Delhi Dr. Yashdeep Gupta, Asst. Prof., Dept. of EM, AIIMS, New Delhi. Dr. Amit, CARICD, New Delhi.
3.	RA Podar Ayurved Medical College, Mumbai	Prof. K R Kohli, Director, Directorate of AYUSH, Maharashtra, RA Podar Ayurved Medical College, Mumbai.	Dr. Vyankatesh K. Shivane Mumbai Dr. Manohar Gundetti, RRAP Central Ayurveda Research Institute for Cancer Mumbai
4.	KAHER's Shri BMK Ayurveda Mahavidyalaya,	Dr. Basavaraj R Tubaki Professor & Head, Dept of	Dr. Kiran Kumar V Mutnali.

	Belgavi, Karnataka	Kayachikitsa, KLEU's Shri BMK Ayurveda Mahavidyalaya Belgavi	Assoc. Prof. of Kayachikitsa Dr.AmarPatil, Asst Professor, Dept of Medicine, USM-KLE IMP, Belagavi Karnataka Dr. Rinky Devi Thakur, RO (Ay.), RARIMD Bengaluru
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12.1.8. Date of IEC approval: 15.09.2017

12.1.9. CTRI Registration/Reference (for clinical trials): CTRI/2017/11/010716dt. 30/11/2017

12.1.10. Date of initiation: 09/10/2018

12.1.11. Budget allocated- Total Sanctioned Budget

SN	Study Centre	1 st Installment	2 st Installment*	3 rd Installment*	Total
1.	RARIMD Bengaluru	31,11,800/-	13,61,800/-	5,71,200/-	50,44,800/-
2.	AIIMS, New Delhi	16,11,800/-	13,61,800/-	5,71,200/-	35,44,800/-
3.	RA Podar AMC, Mumbai	16,11,800/-	13,61,800/-	5,71,200/-	35,44,800/-
4.	KAHER's BMK AMC Belagavi	15,78,200/-	13,28,200/-	5,54,400/-	34,60,800/-
	Total	79,13,600/-	54,13,600/-	22,68,000/-	1,55,95,200/-

Funds received by RARIMD from CCRAS

- Total sanctioned Budget Amount of 1, 55, 95,200/- (for all installments and all centers as described above) has been received by RARIMD Bengaluru from CCRAS vide ltr.no. 3-3/2017/CCRAS/Admin/PS/949 dt. 10.07.2017. Receipt of fund was on 26.12.2017.

12.1.12. Installment wise release of funds

- Funds disbursed by RARIMD Bengaluru to Study centers

S N	1 st Installment*	Amount	Funds released order	Date
1.	1st (AIIMS New Delhi)	16,11,800/-	F. No. 4-1/2018-RARIMD/BNG/Account Misc./333	19.06.2018
2.	1st (RA Podar Mumbai)	16,11,800/-	F. No. 4-1/2018-RARIMD/BNG/Account Misc./1035	22.02.2018
3.	1st (KAHER's BMK AM Belagavi)	15,78,200/-	F. No. 4-1/2018-RARIMD/BNG/Account Misc./1038	23.02.2018

S N	2 nd Installment	Amount	Date
1.	AIIMS New Delhi	13,61,800/-	17.09.2019
2.	RA Podar Mumbai	13,61,800/-	
3.	KAHER's BMK AM Belagavi	13,28,200/-	

12.1.13. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	deviation Causes (if any)
1	Preparatory Phase	4 months - June– Sept 2018	Achieved	Nil
2	Recruitment phase	14 months – Oct– Nov 2019	Achieved	Nil
3	Follow up phase	8 months - Dec 2019 – July 2020	Achieved	Nil
4	Data analysis phase	4 months - Aug 2020 – Nov 2020	Achieved	Nil

12.1.14. Current status:

SN	Participating Centre	cases enrolled	cases completed	Drop outs
1.	RARIMD, Bengaluru	65	57	08
2.	AIIMS, New Delhi	11	07	04
3.	RA PodarAMC, Mumbai	33	13	20
4.	Shri BMK AMC, Belagavi,	66	41	25
	Total	175	118	57

12.1.15. Relevant information, if any: Nothing Specific

12.2. “A Randomized Placebo Controlled Phase -2 Clinical Study of an Ayurvedic Coded Drug ‘AYUSH D’ in the Management of Type 2-Diabetes Mellitus as add on Therapy to Metformin”

Coordinating Institute: RARIMD, Bengaluru

12.2.1. Objectives:

Primary: To evaluate the clinical efficacy of AYUSH- Das add on therapy to Metformin for Glycemic control in the management of Type 2 Diabetes Mellitus.

Secondary: To evaluate the clinical safety of AYUSH- D as add on therapy to Metformin in type 2 Diabetes Mellitus.

12.2.2. Study Design: Randomized Placebo Controlled Double blind Phase -2 Clinical Study.

12.2.3. Sample Size: 264 (66 in each centre)

12.2.4. Approval of IMR-F.No. 27-24/2015-CCRAS/Tech/Hq/589 dt. 26.05.2016

12.2.5. Duration of Study: 30 months

12.2.6. Interventions

- Group 1: Metformin in the dose as optimized to each individual subject at the time of screening will be continued or 500 mg dose upto 3 times a day in drug naïve patients & 2

tablets of AYUSH D 1 gm. each x 3 times /day before food with lukewarm water with Diet & Lifestyle modification for 24 weeks

- b. Group 2: Metformin in the dose as optimized to each individual subject at the time of screening will be continued or 500 mg dose upto 3 times a day in drug naïve patients and 2 tablets of Placebo 1 gm. each x 3 times /day with Diet & Lifestyle modification before food with lukewarm water.

12.2.7. Participating centre along with PI:

SN	Institute Name	Name of the Principal Investigator	Name of the Co-Investigator
1.	RARIMD Bengaluru and Bangalore Medical college & Research Centre (BMC&RI)	Dr. Shubhashree M.N, RO (Ay.) Dr. Kishore Kumar R., RO (Ay.) Co-PI - Dr. Raveendra K R Professor, Dept of Medicine, BMCRI, Bengaluru	Dr. C. R. Jayanthi Prof. of Pharmac. BMCRI Dr. Bhavya BM, RO (Ay.) RARIMD Bengaluru
2.	All India Institute of Medical Sciences (AIIMS), New Delhi	Dr. Rajesh Khadgawat Professor, Dept. of Endocrinology & Metabolism (Dept. of E & M), All India Institute of Medical Sciences (AIIMS), New Delhi	Dr. Vikram Naval , Prof. of Medicine, AIIMS, New Delhi DrYashdeep Gupta, Asst. Prof. of E&M, AIIMS, Dr. Amit, RO (Ay.), CARICD, New Delhi
3.	RA PodarAyurved Medical College, Mumbai	Prof. K R Kohli, Director, Directorate of AYUSH, Maharashtra, RA Podar Ayurved Medical College, Mumbai	Dr. Vyankatesh K. Shivane, Dadar East, Mumbai Dr. Manohar Gundetti, RO (S-2, Ay.) RRAPCARIC, Mumbai
4.	Rajiv Gandhi Government Post Graduate Ayurveda College, Paprola	Dr. Vijay Chaudhary, Prof. of Kayachikitsa, Rajiv Gandhi Government Post Graduate Ayurveda College Paprola, District Kangra, Himachal Pradesh	Dr. Ghansham Dass Mehta, Retd. CMO Government of Himachal Pradesh Dr.Chris Antony, RO (Ay), RARIND Gandhi Bhawan, Mandi

12.2.8. Date of IEC approval: 15.09.2017

12.2.9 CTRI Registration (for clinical trials): CTRI/2017/11/010716 dated 30/11/2017

12.2.10. Date of initiation: 10/10/2018

12.2.11. Budget allocated:

SN	Study Centre	1 st Installment	2 st Installment*	3 rd Installment*	Total
1.	RARIMD Bengaluru	31,11,800/-	13,61,800/-	5,71,200/-	50,44,800/-
2.	AIIMS, New Delhi	16,11,800/-	13,61,800/-	5,71,200/-	35,44,800/-
3.	RA Podar AMC, Mumbai	16,11,800/-	13,61,800/-	5,71,200/-	35,44,800/-

4.	RGGPGAC, Paprola	15, 44,600/-	12,94,600/-	5,37,600/-	33,76,800/-
	Total	78,80,000/-	53,80,000/-	22,51,200	1,55,11,200

12.2.12. Installment wise release:

Funds received by RARIMD from CCRAS

S N	Installment	Amount	Sanction order	Funds received date
1	1st (RARIMD Bengaluru)	31,11,800/-	F. No.3-2/2017-CCRAS/Admin /Metforminv/2580 dt. 18.12.2017	20.12.2017
2	1st (AIIMS New Delhi)	16,11,800/-	-do-	
3	1st (RA Podar Mumbai)	16,11,800/-	-do-	
4	1st (RGGPGAC, Paprola)	15, 44,600/-	-do-	
	Total	78,80,000/-		

**2nd Installment of Rs. 37,18,200/- received at RARIMD, Bengaluru. for 3 centers, AIIMS New Delhi, RA Podar

Mumbai & RGGPGAC, Paprola on 10-02-2020.

Funds disbursed by RARIMD Bengaluru to Study centers

S N	1 st Installment	Amount	Funds released order	Date
1.	AIIMS New Delhi	16,11,800/-	F. No. 4-1/2018-RARIMD/ BNG/Account Misc./333	19.06.2018
2.	RA Podar Mumbai	16,11,800/-	F. No. 4-1/2018-RARIMD/ BNG/Account Misc./1035	22.02.2018
3.	RGGPGAC, Paprola	15, 44,600/-	F. No. 4-1/2018-RARIMD/ BNG/Account Misc./1047	26.02.2018

S. N.	2 nd Installment	Amount	Date
4.	AIIMS New Delhi	12,61,800/-	10.02.2020
5.	RA Podar Mumbai	12,61,800/-	10.02.2020
6.	RGGPGAC, Paprola	11, 94,600/-	10.02.2020

12.2.13. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1.	Preparatory Phase	4 months - June 2018 – Sept 2018	Achieved	Nil
2.	Recruitment phase	14 months - Oct 2018 – Nov 2019	Achieved	Nil
3.	Follow up phase	8 months - Dec 2019 – July 2020	Achieved	Nil
4.	Data analysis phase	4 months - Aug 2020 – Nov 2020	Achieved	Nil

12.2.14. Current status

SN	Participating Centre	Cases enrolled	Cases completed	Drop outs
1.	RARIMD, Bengaluru	66	54	12
2.	AIIMS, New Delhi	66	57	09
3.	RA PodarAMC, Mumbai	54	28	26
4.	RGGPG Ayurveda College, Paprola	43	33	10
	Total	229	172	57

12.3. "Evaluation of add on efficacy & safety of An Ayurvedic Formulation in the Management of Dengue Fever & Prevention of its complications - A Double Blind Clinical Study"

Coordinating Institute: RARIMD, Bengaluru

Coordinating Officer: Dr. Shubhashree M.N, R.O. (Ay.)

12.3.1. Objectives: Primary Objective: To test the efficacy and safety of the trial formulation.

12.3.2. Study Design: Double blind, Placebo controlled, Prospective Clinical Trial

12.3.3. Sample Size: 150 (75 trial & 75 placebo; both groups receives standard care)

100 (50 trial & 50 placebo; both groups receives standard care)

12.3.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: Approval of 4th IMR– PEMC, F.No.27-3/2018-CCRAS/Tech./Hq, dated 19th June 2018.

12.3.5. Duration of Study: 2 year

12.3.6. Interventions: Patients will receive standard Dengue treatment plus trial drug/placebo 700mg (350mg × 2 Tablet), twice daily for 10 days. Randomization has been done by CCRAS

12.3.7. Participating centre along with PI:

SN	Name of participating centre	Name of PI and Co-I
1.	KLEU Shri BMK Ayurveda Mahavidyalaya, Belagavi	Principal Investigator. <ul style="list-style-type: none"> • Dr. B.S. Prasad, Principal, Co- Investigators <ul style="list-style-type: none"> • Dr. V. A. Kothiwale, Vice principal, Prof.of General Medicine, Dean, Faculty of science (Inter-disciplinary studies /Research) JNMC, KLE University, Belagavi • Dr. S. L. Hoti, Scientist G, ICMR -National Institute of Traditional Medicine -NITM), Nehru Nagar, Belagavi. • Dr. M.V. Jali, M.D & CEO, Dr. Prabhakar Kore Multispecialty Hospital & Medical Research Centre, Nehru Nagar, Belagavi. • Rekha Patil, Prof & HOD, Dept. of General Medicine, JNMC, Belagavi. • S. Unger, Scientist D, ICMR - NITM), Belagavi.

		<ul style="list-style-type: none"> Dr. Sukumar Nandigoudar, Reader, Dept. of Kayachikitsa, Officer in charge, MRC, BMK Ayurveda Mahavidyalaya, Belagavi
2.	Sri Devaraj Urs Academy And Higher Education and Research Kolar	Principal Investigator <ul style="list-style-type: none"> Dr.Nitin Kumar Patil, Assoc. Prof and Head Dept. of Integrative Medicine, Shri Sri Devaraj Urs Academy And Higher Education and Research Kolar Co- Investigators <ul style="list-style-type: none"> Dr.Shubhashree M.N,RO (Ay.) RARIMD Bengaluru Dr. Prabhakar K., Prof. of Gen Medicine, SDUMC Lokar Dr. S L Hoti, Director In-charge ICMR NITM Belagavi Dr. AVM Kutty, Registrar, SDUAHER, Kolar

12.3.8. Date of IEC approval: - 25.03.2017; EC Approved Protocol: BMK/17/ESP/05; Renewal was obtained on 19.02.2019.

Kolar centre: SDUAHER/KLR/CEC/18/2017-18, dated 22nd Jan 2018.

12.3.9. CTRI Registration/Reference (for clinical trials): CTRI/2017/11/010586 Dt. 22.01.2018

12.3.10. Date of initiation: Initiated form 1st Sep 2017 (KLE), 1 August 2018 (Sri Devaraj Urs Academy and Higher Education and Research/ Kolar)

12.3.11. Budget allocated: -

SN	Centres	1 st Installment	2 st Installment	Total
1	ICMR-NITM Belagavi	13, 07,795/-	12,98,200/-	26,05,995/-
2	KLEU Shri BMK Ayurveda Mahavidyalaya, Belagavi	5, 19,020/-	5,06,200/-	10,25,220/-
3	Jawahar Lal Nehru Medical College Belagavi	31, 99,030/-	29, 93, 062/-	61,92,092/-
Total (Belagavi)		50,25,845/-	47,97,462/-	98, 23,307/-
4	Sri Devaraj Urs Academy And Higher Education& Research Kolar	12, 60,000/-	9,99,000/-	22, 59,000/-
Grand Total		62,85,845/-	57,96,462/-	1,20,82,307/-

12.3.12. Installment wise received and released

Funds received by RARIMD from CCRAS

S N	Installment	Amount in Rs.	Sanction order	Funds received date
1	1 st (Belagavi Centre)	50,25,845	F. 3-42/2017/CCRAS/Admin /Dengue/1303 Dt. 02.08.2017	07.08.2017
2	2 nd (Belagavi Centre)	47,97,462	F. No. CB/Exp./CCRAS/Hq./2018-19/2000 Dt. 03.04.2019	30.03.2019
3	1 st (Kolar centre)*	12, 60,000/-	F. No. 3-14/2017-CCRAS/Admin/Dengue/388, Dt. 28.03.2018	03.04.2018

4	2 nd (Kolar centre)*	9,99,000/-	F. No. 3-14/2017-CCRAS/Admin/Dengue/6365, Dt. 01-01-2020.	10-02-2020
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Funds disbursed by RARIMD Bengaluru to ICMR-NITM for onward transmission to Belagavi and Kolar centers

S N	Installment	Amount	Funds released order	Date
1	1 st (Belagavi Centre)	50,25,845	F. No. 6-63/2017/RARIMD/BNG/Tech /Dengue/412	10.08.2017
2	2 nd (Belagavi Centre)	47,97,462	F.No . 6-14/2017-CCRAS/Admn/Dengue/6086	29.03.1019
3	1 st (Kolar centre)	12, 60,000	F. No. 6-63/2018/RARIMD/BNG/Tech. /Dengue/26	09.04.2018
4	2 nd (Kolar centre)*	9,99,000/-	F. No. 3-14/2017-CCRAS/Admin/Dengue/6365, Dt. 01-01-2020.	10-02-2020

12.3.13. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved
1.	150 (Belagavi)	24 months	Achieved
2.	100 (Kolar)	24 months	Stopped at 89 due to COVID

12.3.14. Current status: Data collection (clinical intervention) is under progress (Kolar centre).

SN	Participating Centre	enrolled cases	completed cases	Drop outs
1.	KLEU Shri BMK Ayurveda Mahavidyalaya, Belagavi	150	141	09
2.	Sri Devaraj Urs Academy And Higher Education/ Kolar	89	76	02

12.3.15. Relevant information, if any: Nothing Specific

12.4. Name of Project: Validation and Reliability Testing of Ayurvedic Diagnostic Tools

12.4.1. Participating centre along with PI: Sri Dharmastala Manjunatheshwara College of Ayurveda and Hospital Hassan

Sr. No.	Name of the Institute	Name of the Principal Investigator	Name of the Co-Investigator
1.	SDM Hassan	Dr. Girish K J	Dr. Shubashree M N

12.4.2. Date of IEC approval: 04/12/2019

12.4.3. CTRI Registration/Reference (for clinical trials): Not approved

12.4.4. Date of initiation: 13/02/2020

12.4.5. Budget allocated: 17,76,000.00

12.4.6. Installment wise release:

Sr. No.	Study Centre	1 st Installment	2 st Installment*	3 rd Installment*	Total
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1.	SDM Hassan	5,92,000.00	1,96,000.00	-	7,84,000.00
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12.4.7. Chronological timeline & deliverables:

Sr. No.	Target	Time line	Achieved/ Not achieved	deviation Causes (if any)
1	Kasa	Feb-2020 to Oct- 2020	Achieved	---
2	Shwasa	Feb-2020 to Sept-2020	Achieved	---
3	Jwara	Aug-2020 to Sept-2020	Achieved	---
4	Grahani	Sept-2020 to Jan-2021	Achieved	---
5	Prameha	Feb-2021 to May-2021	Achieved	---
6	Pandu	July 2022	Achieved	-

12.6. Morbidity and Healthcare-seeking behaviour of the patients visiting the Ayurveda healthcare facilities of the DGAFMS Hospitals: A multicentre cross-sectional survey study

12.6.1. Objectives

- Primary: To understand the care seeking behavior of the patients visiting the Ayurveda healthcare facilities established in the DGAFMS hospitals
- Secondary:
 - To determine the proportion of the prevalent disease conditions for which patients seek treatment from the Ayurveda healthcare facilities in the DGAFMS hospitals
 - To act as a basis for determining the scope of service of these Ayurveda healthcare facilities.
 - To serve as a starting point for in-depth research studies on management of specific diseases through Ayurveda interventions, for which patients seek treatment from the Ayurveda healthcare facilities in the DGAFMS hospitals.

12.6.2. Study Design: cross sectional observational study

12.6.3. Sample Size: All willing patients coming to DGAFMS Ayurveda facility

12.6.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: F.No. HQ. PROJ011/144/2023-PROJ Part (5), Office order no. 291/2023-24, dated 26.06.2023

12.6.5. Installment wise release: 1st Installment released on Rs. 5,13,380 on 26.06.2023

12.6.6. Duration of Study: 16 months

12.6.7. Interventions- Not applicable

12.6.8. Participating centre along with PI:

S. No	Name of the participating centre	Name of Investigators
1.	a. Central Ayurveda Research Institute, Bangalore	Principal Investigators 1. Dr. Rajendra Kumar Research Officer (Ay.), CARI Bengaluru Co-Investigators 2. Dr. Bhavya B.M. Research Officer (Ay.), CARI Bengaluru

	b. Command Hospital (Air Force), Bengaluru	3. Dr. Narayanan Subramanian Classified Specialist (Lieutenant Colonel), Command Hospital Air Force, Bengaluru 4. Co-I: Dr. Rajneesh Kumar Doshi Colonel (AFMS), DGAFMS, New Delhi
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12.6.9. Date of IEC approval: Approved, dated 02-08-2023

12.6.10. CTRI Registration/Reference (for clinical trials): Not applicable

12.6.11. Date of initiation: 08/08/2023

12.6.12. Budget allocated: Rs.8,42,300/-

12.6.13. Installment wise release

Sl. No.	Installment	Sanction order	Date	Date of receipt of fund
1	1 st Installment Rs. 5,13,380	F.No. HQ. PROJ011/144/2023-PROJ Part (5)/ Office order no. 291/2023-24	26.06.2023	27.07.2023
2	2 nd Installment Rs. 2,18,650	F.No. HQ. PROJ011/144/2023-PROJ Part (5)/1125	24.05.2024	03.06.2024
3	3 rd Installment Rs. 1,58,340	F.No. HQ. PROJ011/144/2023-PROJ Part 5/3587	09.09.2024	26.10.2024
Total	8,90,370	-		

12.6.14. Chronological timeline & deliverables:

Sl. No	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1	No specific target	16 months	598 subjects (completed)	Nil

12.6.15. Current status: Completed

Sl. No	Participating center	No. of participants screened till date	No of Participants enrolled till date	No. of drop outs till date	No. of Participants successfully completed till date	No. of continuing participants till date	No. Of ADR/AE reported till date
1	Command Hospital (Air Force), Bengaluru	598	598	00	598	00	NA

12.6.16. Relevant information, if any: Nothing Specific

12.7. A Double blind double dummy prospective randomized controlled study to evaluate the efficacy of classical Ayurveda management versus Methotrexate in Rheumatoid Arthritis (AMRA Study).

12.7.1. Objectives:

- Primary Objective: To compare the efficacy of Ayurvedic management vs Methotrexate in participants of Rheumatoid arthritis.
- Secondary Objectives: To evaluate the safety of Ayurvedic management in participants of Rheumatoid arthritis.

12.7.2. Study Design: A Double blind double dummy prospective randomized controlled study to evaluate the efficacy of classical Ayurveda management versus Methotrexate in Rheumatoid Arthritis (AMRA Study) in 3 centers..

- Purpose : Treatment
- Level of study :OPD
- Masking : Double blind double dummy
- Control : Controlled
- Timing : Prospective
- End Point : Safety and efficacy
- No. of Groups : Two
- Sample Size: 240 patients (120 in each group)
- Centres: Multicentric.

12.7.3. Sample Size: 240 (Trial group: 120 and Placebo group: 120).

12.7.4. Approval of IMR-PEMC, Annual Action Plan, RFD, etc. along with date: F.No 3-116/2019-CCRAS/Admin/IMR/4783 dated 18th Nov 2019

12.7.5. Duration of Study: 2 Years

12.7.6. Interventions:

Group-1 Ayurveda plus Methotrexate (MTX) placebo

Group-2 Methotrexate (MTX) plus Ayurveda placebo.

Allopathic Treatment. Since there will be an array of Ayurvedic approaches for the Ayurvedic physicians to individualize treatment, an equivalent range of MTX (7.5 to 25 mg/wk) will be allowed, according to the following algorithm:

7.5 mg/week for 2 weeks

10 mg/week for 2 weeks

12.5 mg/week for 2 weeks

15 mg/week for 2 weeks

17.5 mg/week for 2 weeks

20 mg/week for 4 weeks

20 mg/week for 4 weeks

22.5 mg/week for 4 weeks

Then: 25 mg/week for the rest of the study.

Participants will be managed with internal medicines and oils for external use, like outpatient treatment of RA.

List of the drugs to be used in RA

1. Agastyarasayanam	19. Yogarajaguggulu
2. Amritharishtam	20. Simhanadaguggulu
3. Avipatthikarachurna	21. Hingvastakachurnam

4. Balaguduchyadi oil	22. Vatariguggulu
5. Chyavanprasham	23. Rasnasaptakakwatha
6. DashamoolaHaritaki	24. Shuntichurna
7. Dashamoolarishta	25. Amruthottharamkashaya
8. Dhanvantaramthaila	26. Rasnadikashyam
9. IndukanthaGhritha	27. Brihatsaindhvadithaila
10. KaishoraGuggulu	28. Rasnadikashyam
11. Kalyanagulam	29. Indukantamkashaya
12. Kottamchukkadithailam	30. Kokilakshakashaya
13. Lohasavam	31. Manjistadikashaya
14. Narayanathailam	32. Shaddharanachurna
15. Pindathailam	33. Balaguduchyadikashayam
16. Punarnavasavam	34. Brahma rasayanam
17. Trivritthlehyam	35. Chandraprabhavati
18. Vaishwanarachurnam	

12.7.7. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI
1	Central Ayurveda Research Institute, (CARI), CCRAS, Bangalore.	Dr M.N Shubhashree R.O (Ay.) Co-PI: Dr. SH Doddamani, RO (Ay.) Dr. Bhavya BM, RO (Ay.) Dr. Prasanna T., MS, Ortho Dr. Dwajini, Pharmacology
2	RRAP Central Ayurveda Research Institute for Cancer (CARIC), CCRAS, Mumbai	Dr. Manohar S. Gundeti Co-PI: Dr. Kuldeep Chaudhary Dr. Lakshaman Burkhe
3	Aryavaidya Pharmacy, Coimbatore	PI: Dr K G Raveendran, Co-PI: Dr. Somit

12.7.8. Date of IEC approval: 29.10.2022

12.7.9. CTRI Registration/Reference (for clinical trials): CTRI/2022/12/047807, 01.12.2022

12.7.10. Date of initiation: 07.01.2023

12.6.11. Budget allocated: Rs 1,67,53,000/

12.7.12. Installment wise release:

S. No.	Instalment	Sanction order	Date	Date of receipt of fund
1	Rs. 2,12,35,400	F. No. 3-116/2019-CCRAS/Admn/IMR/4783	18-11-2019	23-11-2019
2	Rs. 50,200	F.No. 3-22/2019-CCRAS/Admn/AYUSH-AGT/6293	17-02-2021	23-02-2021
3	Rs. 65,02,600	F. No. 3-116/2019-CCRAS/Admn/IMR/6994	19-03-2021	22-03-2021
4	Rs. 73,61,070	File No. 3-3/2017-CCRAS/Admn/PS/769	25-05-2021	28-05-2021

5	Rs. 25,00,000	F. No. 3-116/2019-CCRAS/Admn/IMR/1562	22-06-2022	24-06-2022
6	Rs. 59,04,328	F. No. 3-116/2019-CCRAS/Admn/IMR/4086	28-10-2022	15-11-2022
7	Rs. 52,14,939	File No. HQ-PROJ011/185/2022-PROJ/1936	26-06-2023	27-07-2023
8.	Rs 7,00,000	F.No HQ/PRO O11/185/2022-PROJ/2122	09.07.24	13.07.2024
9	Rs 30,64,882	F.No HQ/PRO O11/185/3102-PROJ/2122	09.08.24	13.09.2024
10	Rs 15, 61,179	FOR AVP unspent balance	05.11.24	05.11.2024

12.7.13. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1	Pre –Trial period	03 month	Achieved	--
2	Recruitment (240 patients)	24 months	ongoing	--

12.7.14. Current status: Terminated as per instructions from Hqrs

S. No.	Participating Centre	Target	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1	CARI Bengaluru	80	32	08	09	15
2	AVP, Coimbatore	80	22	05	03	14
3	RRAP, CARI, Mumbai	80	17	05	02	10
	Total	240	71	18	14	39

12.8. Evaluation of AYUSH GMH in the subjects of mild to moderate non-alcoholic fatty liver disease (NAFLD) - A Double Blind Randomized Control Clinical study

12.8.1. Objectives

- Primary: To assess the efficacy of AYUSH-GMH in the subjects of NAFLD
- Secondary: To assess the safety of AYUSH-GMH in the subjects of NAFLD

12.8.2. Study Design: Masking-double blinded

12.8.3. Sample Size: 100

12.8.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: F.No. 3-6/2019-CCRAS/Admn/F.L/5730, dated- 18-03-2019

12.8.5. Installment wise release: 23, 03,200/-, 1st Installment released on 29.03.2018(Returned to Hqrs.)

14,50,250/-, 1st Installment released on 01.09.2021

3,97,000/-, 2nd Installment released on 26.07.2022

14,40,600/- 3rd Installment released on 28.06.2023

1,23,900/- 4th Installment for SRF salary arrears on 22.03.2024

11,44,448/- 5th Installment on 21.06.2024

12.8.6. Duration of Study: 3 years

12.8.7. IStudy Design: Masking-double blinded

Interventions

Intervention modalities	GROUP-I		GROUP-II	
Intervention	Ayush-GMH (API-Part III;1 st Ed.;Pg17)	Vitamin-E	Vitamin-E	Matching Placebo of AYUSH-GMH
Dose	500mg	400mg	400mg	500mg
Dosage form	Ghanvati	Gel capsule	Gel capsule	Ghanvati
Route of Administration	Oral	Oral	Oral	Oral
Time of Administration	Twice daily after food	Once daily after food	Once daily after food	Twice a day after food
Anupana	Water	Water	Water	Water
Duration of therapy	6 months	6 months	6 months	6 months
Packing Form	Blister pack of 60 capsules	Blister pack of 30 capsules	Blister pack of 30 capsules	Blister pack of 60 capsules

12.8.8. Participating centre along with PI:

S. No	Name of the participating centre	Name of Investigators
1.	<p>a. National Institute of Traditional Medicine- ICMR Belagavi</p> <p>b. KAHER BMK Ayurveda Mahavidyalaya& Hospital</p> <p>c. Central Ayurveda Research Institute, Bangalore</p>	<p>Principal Investigators</p> <p>1. Dr. Manish Barvaliya, Scientist E (Medical), ICMR-NITM, Belagavi</p> <p>2. Dr. Pradeep Grampurohit, Prof., Dept.of Panchakarma, Shri BMK Ayurveda Mahavidyalaya, Belagavi</p> <p>Co-Investigators</p> <p>3. Dr. Suhas Kumar Shetty, Principal, KAHER Shri BMK Ayurveda Mahavidyalaya, Belagavi</p> <p>4. Dr. Keerthana Suresh, Associate Professor & HOD, Dept of RogaNidana, KAHER Shri BMK Ayurveda Mahavidyalaya, Belagavi</p> <p>5. Dr. Subarna Roy, Scientist G & Director ICMR- National Institute of Traditional Medicine- ICMR, Belagavi</p> <p>6. Dr. Bhavya B.M Research Officer (Ayu.), Central Ayurveda Research Institute, Bangalore,</p>

12.8.9. Date of IEC approval: Approved, dated 26-02-2019, Renewal obtained on 25/05/2022

12.8.10. CTRI Registration/Reference (for clinical trials): CTRI/2022/06/042985, dated 02/06/2022

12.8.11. Date of initiation: 31/05/2022

12.8.12. Budget allocated: Rs.55,32,925/-

12.8.13. Installment wise release

Sl. No.	Installment	Sanction order	Date	Date of receipt of fund
1	1 st Installment	F.NO.4-14/2021-22/CARI/BNG/Account Misc/716	01/09/2021	02/09/2021
2	2 nd Installment	F.6-75/2019/CARI/BNG/AYUSH GMH NAFLD/723	26/07/2022	25/07/2022
3	3 rd Installment	F.6-75/2019/CARI/BNG/AYUSH GMH NAFLD/613	23/06/2023	28/06/2023
4	4 th Installment	File No/HQ-PROJ011/109/2023-PROJ/8448	03.2024	22.03.2024
5	5 th Installment	File No/HQ-PROJ011/109/2023-PROJ/1759	21.06.2024	14.08.2024

12.8.14. Chronological timeline & deliverables:

Sl. No	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1	100 Subjects	36 months	Achieved	Nil

12.8.15. Current status:

Sl. No	Participating center	No. of participants screened till date	No of Participants enrolled till date	No. of drop outs till date	No. of Participants successfully completed till date	No. of continuing participants till date	No. Of ADR/AE reported till date
1	ICMR- National Institute of Traditional Medicine, Belagavi KAHER BMK Ayurveda Mahavidyalaya& Hospital, Belagavi	138	100	13	87	00	04

12.8.16. Relevant information, if any: Nothing Specific

Ongoing Collaborative studies monitored by the institute

12.9. Name of Project: “Evaluation of Hepatoprotective activity of PTK as an add on therapy in the patients of Tuberculosis on ATT- A Double blind Randomized control clinical study

12.9.1. Participating centre along with PI:

Sr. No.	Name of the participating centre	Name of PI, Co investigators
1.	KAHERs Shri BMK Ayurveda Mahavidyalaya, Shahapur, Belagavi – 590003	1. PI- Dr Ashok Patil PhD (Ayu) 2. CoI-Dr Swarda Uppin MD (Ayu)
2.	KAHER’s JN Medical College, Nehru nagar, Belagavi - 590010	3. CoI -Dr Bhagyashri Patil M.D. (Chest)
3.	Belgavi Institute of Medical Sciences (BIMS)	4. CoI-Dr Sandeep Dandin, Pulmonologist MBBS, MD
4.	CARI Bengaluru	5. CoI-Dr. Shashidhar H. Doddamani, RO (Ay.)

12.9.2. Date of IEC approval: 30-7-2021 AND 31-07-2021

12.9.3. CTRI Registration/Reference (for clinical trials): 12-11-2021

12.9.4. Date of initiation: 15-11-2021

12.9.5. Budget allocated:

1. KAHER’s Shri BMK Ayurveda Mahavidyalaya, Belagavi- Rs.56,39,830
 2. Central Ayurveda Research Institute (CARI) , Bengaluru -10,50,000
- Grand Total -Rs. 66,89,830/-

12.9.6. Installment wise release:

Sr. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1.	Rs.5,50,000/-	Sanctioned order no: 1096/2020-21	25-03-2021	31-03-2021
2.	Rs 13,09,650	Sanctioned order no. 3-3/2017-CCRAS/Admn/PS/769	25-05-2021	28-05-2021
3.	Rs. 3,07,960	Sanctioned order no.3-30/2021/CCRAS/Admn/IMR/Cool/4515	17-11-2022	05-12-2022
4.	Rs. 9,84,484	HQ/PROJ011/184/2022/PROJ/3845	05/09/2023	13/09/2023
5.	1809217	HQ/PROJ011/184/2022/PROJ/1446	10/06/2024	06/08/2024

12.9.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1	Pre –Trial period	6 month	Achieved	--
2	Recruitment (150/100 patients)	27 months	ongoing	--

12.9.8. Current status:

S. No.	Participating Centre	Target	No. of cases enrolled	No. of cases completed	No. of cases	No. of cases continued
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					Drop outs	
1	KAHERs Shri BMK Ayurveda Mahavidyalaya, Shahapur, Belagavi - 590003	150/100 (Revised)	100	71	11	18

12.9.9. Relevant information, if any:

12.10. Name of Project: Systems Biology approach to delineate molecular signatures of Prakriti in healthy humans

12.10.1. Objectives

Primary objectives:

- To characterize urine exosome profile of healthy male adults of different Prakriti subtypes identified through CCRAS Prakriti questionnaire through the following methods
- To collect Prakriti determined Urine samples in coded form by 7 CCRAS centers as per the protocol.
- To determine the urine exosome protein content similarities and differences between different Prakriti sub-type subjects.

Secondary objective:

- To identify potential biological markers for different Prakriti through urine exosomes.

12.10.2. Study design- Clinical exploratory study

12.10.3. Sample Size- 392 participants (considering drop outs 392 will be recruited at CCRAS centers (8-7 Prakriti from 7 centers). Collection of samples will be twice, once in Dakshinayana and Uttarayana from the same participant. Total samples will be $392 \times 2 = 784$

12.10.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date-F. No.3-114/2019-CCRAS/Admn/Prakriti/Multiomics/2280 dated 24.08.2020

12.10.5. Duration of study: 2 years (according to the protocol) + 1 year extension has been sanctioned as the study got delayed due to COVID extn letter attached.

12.10.6. Interventions- Not applicable

12.10.7. Participating center along with PI:

Sr. No.	Name of the participating centre	Name of PI, Co-Investigators
1	The University of Transdisciplinary Health Sciences and Technology	Dr. Poornima HVR (PI) Dr. Ashwini Godbole (Co-I) Dr. Vishnuprasad CN (Co-I)
2.	CARI, Bengaluru	Dr. Rajendra Kumar Research Officer (Ay.)

12.10.8. Date of IEC approval: 22nd March 2021

12.10.9. CTRI Registration/Reference (for clinical trials): NA

12.10.10. Date of initiation: 01.11.2021-Study initiation with MoU signed on 24.02.2021. IEC approval received on 3rd March 2021. HR recruited from October 2021.

12.10.11. Budget allocated: Rs 3,68,20,066/-

12.10.12. Installment wise release:

Sr. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	First Installment of Rs 2,15,60,033/-	F.no4-1/2020-21/CARI/BNG/ account misc./1430	24.3.2021	24.3.2021
2	Second Installment of Rs 1,34,19,029.70	HQ-PROJ011/6/2023-PROJ/7633	27.3.2023	31.03.2023 Reverted back by RBI (PFMS)
3	Second Installment of Rs. 1,45,34,767/-	HQ-PROJ011/6/2023-PROJ-Part (1)/8562	14.3.2024	18.3.2024

12.10.13. Chronological timeline & deliverables:

S. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1.	The signing of MoU	0-3 months of sanctioning of the project	Got delayed due to COVID	Though the project was sanctioned on 24.8.2020, MOU was signed on 16/2/2021. Because of COVID, it got delayed.
2.	IEC approval from TDU	0-3 months of the signing of MOU	Achieved	-
3.	Recruitment of HR	0-3 months of sanctioning of budget	Delayed	Delay in HR recruitment was done as the collection of samples was projected to be delayed at CCRAS centres due to Covid. TDU work starts only after sample collection and transportation from CCRAS centres. To balance that we did not recruit the HR as per the timeline.
4.	Purchase of required equipment	1 to 4 months after the budget is released.	Achieved	-
5.	Participant screening and enrolment	4 to 14 months	Delayed due to Covid but currently sample collection completed from the	Delayed but achieved

			CCRAS centres	
6.	Sample collection and transport to TDU from CCRAS centres	4 to 14 months	Delayed but achieved	Collected Samples have been received at TDU from CCRAS centres.
7.	Exosome isolation, data collection, sequencing, and processing	4 to 14 months	Delayed but ongoing	Processing of collected samples are being done for exosome isolation and other required procedures. As the last batch of samples were received from CCRAS centres only by February 2024, it has impacted the delay in sample analysis.

12.10.14. Current status: Instead of the target sample size of 784, 786 (2 additional)

Samples collected as per SOP from 7 CCRAS centers are received at TDU. Each center was supposed to collect 112 samples but some centers have not collected the same due to non-availability of required participants. Hence some centers have collected more to match the total target sample size. TDU has started the process sample analysis as and when we received the samples. Overall status though delayed due to unavoidable circumstances like Covid-19, all the processes as per the protocol is being followed for sample analysis.

Sl. No	Participating center	No. of samples collected till date	No. of samples processed till date	No. of samples analysed (MS analysis) till date
1.	National Ayurveda Research Institute for Panchakarma, Cheruthuruthy	115	115	58
2.	Central Ayurveda Research Institute for Hepatobiliary Disorders, Bhubaneswar	103	103	50
3.	Central Ayurveda Research Institute for Respiratory Disorders, Patiala	110	110	50
4.	Raja Ramdeo Anandilal Podar (RRAP) Central Ayurveda Research Institute for Cancer, Mumbai	114	114	57
5.	Regional Ayurveda Research Institute for Eye Diseases, Lucknow	113	113	57
6.	Regional Ayurveda Research Institute for Gastro-Intestinal Disorders, Guwahati	126	126	63
7.	Regional Ayurveda Research Institute, Tadung, Gangtok, Sikkim	105	105	53
Total		786	786	388

12.10.15. Relevant information, if any: As the study could not be initiated as per the sanctioned timelines due to COVID, as extension of the project has been granted till September 2025.

12.11. Formulation and product development of Ayurveda recipes and nutritional evaluation of selected products

12.11.1. Objectives

- Development of SOPs for the preparation of atleast 10 traditional recipes of Ayurveda.
- Proximate composition analysis of atleast 10 traditional recipes of Ayurveda.
- Nutritional, safety & efficacy studies of atleast 4 traditional recipes of Ayurveda in experimental animals.

12.11.2. Study Design: Experimental

12.11.3. Sample Size: Not applicable

12.11.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date:

F.No. HQ-PROJ 011/119/2023-PROJ/OO.1457/22-23, dated- 22-03-2023

12.11.5. Installment wise release: Rs.34,25,884/- 1st Installment released on 22.03.2023

12.11.6. Duration of Study: 3 years

12.11.7. Interventions: Not applicable

12.11.8. Participating centre along with PI:

S. No	Name of the participating centre	Name of Investigators
1.	CARI Bengaluru & CSIR-CFTRI, Mysore	<p>I. Principal Investigator (CARI, Bengaluru): Dr. Sulochana Bhat, Assistant Director Incharge, Central Ayurveda Research Institute, Bengaluru</p> <p>II. Principal Investigator (CSIR-CFTRI, Mysore): Dr. Sridevi Annapurna Singh, Director, CFTRI, Mysore</p> <p>III. Co-Investigators:</p> <ol style="list-style-type: none"> 1. Dr Ramaprasad TR, Principal Scientist, CSIR-CFTRI, Mysore 2. Dr Thejaswini C, Research Officer (Ayurveda), Central Ayurveda Research Institute, Bengaluru 3. Dr. Bhavya B.M, Research Officer (Ayurveda), Central Ayurveda Research Institute, Bengaluru 4. Dr. Bandi Venkateshwarlu, Assistant Director (Ayurveda), CCRAS, Hqrs, New Delhi 5. Dr. Prabhasankar, Chief Scientist, CSIR-CFTRI, Mysore 6. Dr. R. Chetana, Senior Technical Officer, , CSIR-CFTRI, Mysore 7. Dr Singam Reddy Technical Officer, CSIR-CFTRI, Mysore

12.11.9. Date of IEC approval: Not applicable

12.11.10. CTRI Registration/Reference (for clinical trials): Not applicable

12.11.11. Date of initiation: 5th April 2023

12.11.12. Expected date of Completion : 31st March 2026

12.11.13. Details of installment wise budget release:

Sl. No.	Installment	Sanction order	Date	Date of receipt of fund
1	1 st Installment 34,25,884	F.No. HQ-PROJ 011/119/2023-PROJ/OO.1457	22.03.2023	24.03.2023
2	1 st Installment Rs 6,37,500	F.No. HQ-PROJ011/119/2023-PROJ/1149	25/05/2023	31/05/2023
3	2nd Installment Rs. 3,48,720	F.No. HQ-PROJ011/119/2023-PROJ/8872	22/03/2024	23/03/2024
4.	3 rd Instalment Rs 37,18,384/-	F.No. HQ-PROJ011/119/2023-PROJ/1417	07/06/2024	06/08/2024

12.11.14. Chronological timeline & deliverables:

Sl. No	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1	Development of SoPs, Proximate composition analysis Nutritional, safety & efficacy studies of atleast 4 traditional recipes of Ayurveda	3 yeas	(ongoing)	Nil

12.11.15. **Status**

SL.No	Product	Product developed form	Progress report
1.	Kapikacchu Pupalika	Crispy flat biscuit bites in sweet variety	The product has been standardized as KP sweet bites. Further studies related to physicochemical properties and proximate composition of the product has been estimated
2.	Panchasara Panaka	Instant beverage mix powder which is reconstituted by dispersing it in hot water.	The product's proximate analysis results (Table 3) showed significant amounts of protein of about 12% and 85% of carbohydrates providing instant energy
3.	Navanga Yusha	RTC instant soup mix powder	The product's proximate composition was assessed, and the results (Table 5) revealed that Navanga yusha has 9% of total protein content as it's pulses-based product. With 76.23% of carbohydrates and 2.9% total fat,

			it provides 368Kcals of energy for every 100g of servings.
4.	Triphala Bhavita Yava Rotika	RTE spicy nippattu product	A combination of Triphala-barley flour is also formulated and standardized into a RTC base flour which can be prepared as, chapati/roti and Khakra.
5.	Beeja Ladduka	RTE Nutri bar	Analyzed proximate composition (Table 9) of product was found to be 28% of protein, 30% of carbohydrates with 34% of fat which total contributes in providing 547 kcal per 100g of product.
6.	Vedanika	Stuffed parota and khakra	For the finalized product, textural profile analysis was conducted to understand textural properties and integrity of the product. Using TA - HD Plus texture analyser, textural profile of the product was analysed based on Blade set cutting method.
7.	Panchamrita Yusha	RTC instant soup/porridge mix powder	The RTC base soup base mix, particle size was about 89.78 μm (100% volume), which indicates uniform distribution of particle size and complete suspension of particles without any residues settling down in the soup. Moisture content and total fat of the soup mix were estimated to be 4 – 4.8% and 3%.
8.	Mohanbhog	RTE Laddu in a sweet variety	Antioxidant properties of Mohanbhog was analyzed by estimating total phenolic content (TPC), total flavonoid content (TFC) and radical scavenging activity (RSA) assays
9.	Ashtaguna Manda	RTC instant porridge mix powder	Physicochemical properties like Moisture and fat were estimated for the RTC powder mix, which was found to be 6.7% and 10.8% respectively
10.	Veshtani	Noodles or Vermicelli and papad	The prepared noodles can be cooked in water and seasoned like regular wheat noodles available commercially.

12.12. Documentation of traditional food recipes of karnataka and their validation with ayurveda and nutritional perspective

12.12.1. Objectives:

Primary:

- Collect traditional food recipes from representative regions of Karnataka in a standardized format.
- Validate those recipes from Ayurveda and nutritional perspective.
- Present the recipes in the form of printed and e- book with accompanying video of preparation.

Secondary:

- Provide an easy-to-use traditional foods recipe book for laymen use.
- Increase Ayurveda and nutritional knowledge about traditional foods.
- Pilot a scalable technology for collection of community food knowledge.

12.12.2. Study Design: NA

12.12.3. Sample Size: NA

12.12.4. Approval of IMR- O.O. 1293/2022-23, dated 21st Feb 2023, total budget sanctioned Rs.47,14,936/-

12.12.5. Installment wise release: first Installment of Rs 20,20,868/- released on 21/02/2023

12.12.6. Duration of study: 2.5 years

12.12.7. Interventions: NA

12.12.8. Participating centre along with PI:

S. No	Name of the participating centre	Name of Investigators
1.	Trans Disciplinary University, Bengaluru Central Ayurveda Research Institute, Bangalore,	Principal Investigators Dr. Sulochana Bhat, Incharge CARI, Bengaluru Dr. Megha, Associate Professor, TDU, Bengaluru Co-Investigators Dr. Shubhashree M.N., RO, CARI, Bengaluru Dr. Bandi Venkateshwarlu, AD, CCRAS Headquarters Dr. Subramanya Kumar, TDU, Bengaluru

12.12.9. Date of IEC approval: Approved

12.12.10. CTRI Registration/Reference (for clinical trials): NA

12.12.11. Date of initiation: 24/03/2023

12.12.12. Budget allocated: Rs.47,14,936/-

12.12.13. Installment wise release:

Sl. No.	Installment	Sanction order	Date	Date of receipt of fund
1	1 st Installment	O.O.1293/2022-23	21/02/2023	05/02/2023
2	2 nd Instalment	Order F.No. HQ-PROJ011/92/2023 -PROJ/8352	31/03/2025	31/03/2025

12.12.14. Chronological timeline & deliverables:

Sl. No	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1	Preparatory Phase	6 months	Achieved	None
2	Recipies Collection	18 months	Achieved	None
3	Finalization	6 months	Ongoing	None

12.12.15. Current status:

1. Preparatory phase: Development of methodology for collecting traditional food information. Design of program dashboard for field visits and data compilation.
2. Recipe collection:
 - a. For 22/22 locations, review of literature and top sheet is completed.
 - b. For 22/22 locations, respondent interviews are completed. Number of respondents contacted: ~ 350
 - c. For 22/22 locations, recipes have been short-listed, field visits completed and video recording of short-listed is completed.
 - d. Total number of recipes recorded: 127/100
 - e. Total number of kms travelled across Karnataka: 16,483 km
3. Finalisation phase:
 - a. Software and training for editing videos completed. In progress. Video editing of recipes from footage to 3-4min clip: 4/ 127
 - b. In progress. Nutrition information on collected recipes: 44/ 127
 - c. In progress. Ayurvedic perspective on collected recipes: 4/ 127
 - d. eBook design: Consultants contacted and contract negotiation.
 - e. Manuscript under preparation for Journal of Ethnic Foods
 - f. Expert group meeting planned for May 2025.

12.12.16. Relevant information, if any:

- Project has met all relevant milestones in a timely manner.
- Video editing is taking up much more time than anticipated. Hence, extension of JRF tenure to end of project duration has been requested.

12.12.17. Relevant information, if any: Nothing Specific

12.13. Evaluating the efficacy of Ayurvedic intervention as add on to conventional treatment and explore the interaction of Epigenetics, Neuro/gut biomarkers and Neuroimaging in Pediatric ADHD (Attention Deficit Hyperactivity Disorder)

12.13.1. Participating center along with PI:

S. No.	Name of the participating centre	Name of PI, Co investigators
1	Dept. of Integrative Medicine, NIMHANS, Bengaluru	PI: Dr. John Vijaya Sagar Co-PI: Dr. Kishore Kumar R Co-I: 1. Dr. Umesh C 2. Dr. K. Gokul Krishna 3. Dr. MonojitDevnath

		4. Dr. Rajendra K M 5. Dr. BN. Roopesh 6. Dr. Shivkumar V 7. Dr. Bharath Holla
2	CARI Bengaluru	Project Coordinator: Dr. Sulochana Bhat Co-I: Dr. Srinibash Sahoo

12.13.2. Date of IEC approval: 16.04.2021

12.13.3. CTRI Registration: CTRI/2021/07/035308 [Registered on: 30/07/2021].

12.13.4. Date of initiation: 31.12.2021

12.13.5. Budget allocated:

NIMHANS, Bengaluru: Rs.91,18,200/-

CARI, Bengaluru: Rs. 8,50,000/-

Grand Total: Rs. 99, 68,200/-

12.13.6. Installment wise release:

Sr. No.	Installment	Sanctioned order	Date	Date of receipt of fund
01	Rs. 39,25,800	Office Order No.984/2020-21	03-03-2021	23-11-2019
02	Rs. 2,50,000	F. No. 3-3/2017-CCRAS/Admn/PS/769	25-05-2021	28-05-2021
03	Rs. 7,63,000	F. No. 3-3/2017-CCRAS/Admn/IMR/1589	23-06-2022	05-07-2022
04	Rs. 15,65,546	File No. HQ-PROJ011/93/2022-PROJ/4359	10-11-2022	16-11-2022
05	Rs. 33,77,948	File No. HQ-PROJ011/93/2022-PROJ/4249	09-10-2024	30-10-2024
06	Rs. 30,130	File No. HQ-PROJ011/93/2022-PROJ/7973	18-03-2025	24-03-2025

12.13.7. Chronological timeline & deliverables:

S. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1	Pre –Trial period	6 months	Achieved	--
2	Recruitment including Follow-up (80 patients)	28 months	ongoing	--
3	Statistical Analysis and Article Publishing	02 months	Project is ongoing	--

12.13.8. Current status:

S. No.	Participating Centre	Target	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1	Dept. of Integrative Medicine, NIMHANS, Bengaluru	160 Reduced to 80	78	52	19	7

12.13.9. Relevant information, if any: Nil

12.14. Ayurveda therapeutic regimen as an add-on to optimized conventional management of Parkinson's disease: An RCT for assessment of Clinical, Cortical excitability, Neuroimmune and Autonomic function parameters

12.14.1. Participating center along with PI:

S. No.	Name of the participating centre	Name of PI, Co investigators
1	Dept. of Integrative Medicine, NIMHANS, Bengaluru	PI: Dr. Umesh C Co-PI: Dr. Pramod Kumar Pal Co-I: 1. Dr. Sathyaprabha T N 2. Dr. Kishore Kumar R 3. Dr. K. Gokul Krishne 4. Dr. Nitesh Kamble 5. Dr. Manjunath M V 6. Dr. Shivakumar V 7. Dr. Bharatha Holla 8. Dr. Kaviraj Udupa
2	CARI Bengaluru	Project Coordinator: Dr. Sulochana Bhat Co-PI: Dr. Srinibash Sahoo

12.14.2. Date of IEC approval: 07.01.2022

12.14.3. CTRI Registration/Reference (for clinical trials): CTRI/2022/01/039803

[Registered on: 28/01/2022] -

12.14.4. Date of initiation: 07.01.2022

12.14.5. Budget allocated:

NIMHANS, Bengaluru: Rs.52,30,308/-

CARI, Bengaluru: Rs. 17,00,000/-

Grand Total: Rs. 69, 30,308/-

12.14.6. Installment wise release:

S. No.	Installment	Sanctioned order	Date	Date of receipt of fund
01	Rs. 10,00,000	O.O. No. 29/2020-21	09-04-2021	11-05-2021
02	Rs. 7,50,000	F. No. 3-3/2017- CCRAS/Admn/IMR/1589	23-06-2022	05-07-2022
03	Rs. 12,78,470	F.No. 3-29/2021- CCRAS/Admn/Coll/4062	27-10-2022	19-11-2022
04	Rs. 8,70,882	F. No. HQ-PROJ011/73/ 2023-PROJ/1937	26-06-2023	27-07-2023
05	Rs. 12,54,180	F. No. HQ-PROJ011/73/ 2023-PROJ/1413	06-06-2024	06-08-2024

12.14.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1	Pre –Trial period	6 month	Achieved	--
2	Recruitment (160 patients reduced to 80 patients)	28 months	ongoing	--
3	Statistical Analysis and Article Publishing	02 months	Project is ongoing	--

12.14.8. Current status:

S. No.	Participating Centre	Target	No. of cases enrolled	No. of cases completed	No. of cases Dropouts	No. of cases continued
1	Dept. of Integrative Medicine, NIMHANS, Bengaluru	80	49	22	09	18

12.14.9. Relevant information, if any: Nil

12.15. A multi-centre study to assess the treatment adherence and tolerability of Ayush SR in Generalized Anxiety Disorder (GAD) under SMART Programme

12.15.1. Objectives

Primary:

- To assess the medical adherence and tolerability of Ayush-SR in Generalized Anxiety Disorder (GAD)

Secondary:

- To assess the effect of Ayush SR in reducing the symptoms of GAD.
- To assess the effect of Ayush SR on sleep quality of cases of GAD.
- To assess the safety of Ayush SR in GAD
- To assess the effect of Ayush SR on mental wellbeing of the study participants.
- To assess the effect of Ayush SR on C-Reactive protein in GAD cases.

12.15.2. Study Design: Interventional, Single arm, prospective, clinical study.

12.15.3. Sample Size: 440

12.15.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: Office Order No. 1422/2022-23, dated 17-03-2023

12.15.5. Installment wise release: 58,46,000/- 1st Installment released on 21.03.2024

12.15.6. Duration of Study: 2 years

12.15.7. Interventions

Intervention	AYUSH-SR (Ref. API, Part-I, Volume, VIII, pg.34-36)
Dose	2gm per day in divided doses (2 tablets twice daily)
Dosage form	Tablets (500mg)
Route of Administration	Oral
Time of Administration	Twice daily post meals
Anupana	Water
Duration of therapy	3 months(90 days)
Intervention	AYUSH-SR (Ref. API, Part-I, Volume, VIII, pg.34-36)

12.15.8. Participating centre along with PI:

Sl. No	Name of the participating centre	Name of Investigators
1.	Sri Sri college of Ayurvedic Science and Research	PI: Dr Gopala Krishna G, Professor Co-I: Dr. Ashwathy Kavirajan, Assistant Professor
2.	Adichunchanagiri A yurvedic	PI: Dr Byresh A, Principal & Professor

	medical college, hospital & research center	Co-I: Dr. Shashidhara R, Associate Professor
3.	Shri B M Kankanvadi Ayurveda Mahavidhyalaya, Belagavi	PI: Dr Suhas Shetty, Principal & Professor Co-I: 1. Dr Sanjeev S Toni, Associate Professor 2. Dr Hemalatha K, Assistant Professor
4.	Vaidhyaratam PS warrier Ayurveda Medical college, Kottakal	PI: Dr Jithesh M, Professor Co-I: 1. Dr Satheesh K, Associate Professor. 2. Dr Prathibha P Nair, Assistant Professor.
	Co-ordinating centre	
5.	Central Ayurvedic Research Institute, Bengaluru	PI: Dr GV Ramana, R.O. (Ayu.) Co-I: Dr Srinibash Sahoo, R.O. (Ayu.)

12.15.9. Date of IEC approval: F.6-5/CARI/BNG/IEC meet 2020-21/221 approved, dated 02-05-2023

12.15.10. CTRI Registration/Reference (for clinical trials): CTRI/2023/05/053328 [Registered on: 31/05/2023]

12.15.11. Date of initiation: 17/3/2023

12.15.12. Budget allocated:

Institute	Budget
Sri Sri College of Ayurvedic Science and Research, Bengaluru	28,41,090/-
Adichunchanagiri Ayurvedic Medical College, Hospital & Research Centre, Bengaluru	28,41,090/-
Shri B M Kanakawadi Ayurveda Mahavidyalaya, Belgavi	27,61,710/-
Vaidyaratnam PS Varier Ayurveda College, Kottakal	27,61,710
CARI, Bengaluru	26,66,800/-
Grand Total	1,38,72,400/-

12.15.13. Instalment wise release

Sl. No.	Installment	Sanction order	Date	Date of receipt of fund
1	58,46,000/-	File No. HQ-PROJ011/58/2023-PROJ	17/03/2023	21/03/2023
2	2,60,100/-	F.No. HQ-PROJ11/58/2023-PROJ/1508	11-06-2024	06-08-2024
3	5,15,000/-	F.No. HQ-PROJ11/58/2023-PROJ/3611	10-09-2024	16-10-2024
4	43,96,663/-	File No. HQ-PROJ011/58/2023-PROJ /7977	18.03.2025	21.03.2025

12.15.14. Chronological timeline & deliverables:

Sl. No	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1	440 Subjects	2 years	25(subjects)	Nil

12.15.15. Current status:

Sl. No	Participating Center	No. Of Participant s Screened	No Of Participant s Enrolled	No. Of Dro	No. Of Participant s	No. Of Continuing Participant	No. Of ADR/A E
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		Till Date	Till Date	p Outs Till Date	Successfull y Completed Till Date	s Till Date	Reporte d Till Date
1	Sri Sri College Of Ayurvedic Science And Research, Bengaluru	116	98	6	58	34	5
2	Adichunchanag iri Ayurvedic Medical College	135	114	6	74	34	6
3.	Shri B M Kanakavadi Ayurveda Mahavidyalaya , Belgavi	132	106	10	61	35	2
4.	Vpsv Ayurveda College, Kotakkal	123	94	8	52	34	3
	Total	506	412	30	245	137	16

12.15.16. Relevant information, if any: Nothing Specific

12.16. Randomized Active Comparator Controlled Clinical Trial of Selected Ayurvedic Formulations in Prediabetes and Type 2 Diabetes

12.16.1. Participating centre along with PI:

Sr. No.	Name of the participating centre	Name of PI, Co investigators
1.	Indian Institute of Science, Bangalore	PI: Prof Navakanta Bhat Co-PI: Dr Sona Rajakumari
2.	Central Ayurveda Research Institute	Co-PI: Dr Sulochana Bhat Co-PI: Dr Shubhashree MN
3.	Samatvam: Science and Research for Human Welfare Trust, Bangalore	PI: Dr S Srikanta Co-PI: Dr Kavitha Muniraj
4.	Prayoga Institute of Education Research, Bangalore	PI: Dr K S Nagabhushana

12.16.2. Date of IEC approval: CARI ICE Approval date: 22 Feb 2024 and Samatvam Science and Research for Human Welfare Trust: 8 June 2024

12.16.3. CTRI Registration/Reference (for clinical trials): CTRI/2024/08/073058 dated 28/Aug/2024

12.16.4. Date of initiation: 10 May 2024

12.16.5. Budget allocated: Ayurswathya Yojana. Ministry of Ayush: 9,56,41,953 INR Grand Total -Rs. 9,56,41,953 INR

12.16.6. Instalment wise release:

Sr. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1.	Rs.2,00,00,000/-	S-12011/18/2022-SCHEME (CoE)	22 MAR 2024	22 MAR 2024
2.	Rs.1,82,35,400/-	S-12011/18/2022-SCHEME (CoE)	24 June,2024	24 June,2024

12.16.7. Chronological timeline & deliverables:

S. No.	Target	Time line	Achieved/ Not achieved	Causes of deviation, if any
1	Recruitment	First Year	Achieved	
2	Effects on insulin resistance and beta cell dysfunction (in vivo)	First Year	Achieved	
3	Simultaneous monitoring of Hemoglobin, HbA1c, and Glucose using Point of Care device to demonstrate improved diabetes care outcomes	First Year	Ongoing	
4	Point of Care tests using anuPathTM Lab on Palm	First Year	Ongoing	
5	Effects of Ayurvedic formulations on albumin molecular modifications - Glycation and Oxidation (in vitro)	First Year		
6	Cellular and molecular mechanisms of the selected Ayurvedic formulations in prediabetes and type 2 diabetes (in vivo and in vitro studies)	First Year	Ongoing	
7	To validate and standardize the efficacy and quality of Ayurvedic formulations	First Year	Ongoing	
8	Conferences on “Integrated Approach to the Management of Diabetes” and Workshops/training to impart training on “Molecular biology and Nano-Technology”	First Year	Achieved	

12.16.8. Current status:

S. No.	Participating Centre	Target	No. of cases enrolled	No. of cases completed	No. of cases Drop outs	No. of cases continued
1	Samatvam: Science and Research for Human Welfare Trust, Bangalore	First Year (100)	186	0	0	186

12.16.9. Relevant information, if any:

12.17. General health screening with special focus on Tuberculosis, Anemia, Haemoglobinopathies & Malnutrition and Ayurvedic Interventions for better health outcomes in students of Ekalavya Model Residential Schools (EMRS) functioning under M/o Tribal Affairs

12.17.1. Objectives

Primary:

- To screen the general health condition of the students of EMRS with special focus on Anemia, Haemoglobinopathies, Malnutrition and Tuberculosis.

Secondary objective

- The management of Anemia, Haemoglobinopathies and Malnutrition through Ayurvedic interventions as standalone/add-on.
- To inculcate healthy lifestyle practices in children as per principles of Ayurveda.

12.17.2. Study Design: Interventional, Single arm, prospective, clinical study.

12.17.3. Sample Size: Health screening of the students of 02 EMR Schools

12.17.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date :F.No. HQ-PROJ011/1/2024-PROJ-Part(1), dated- 12-03-2024

12.17.5. Instalment wise release: 1st Installment released on 15.03.2024 Rs. 4,21,500

12.17.6. Duration of Study: 18 months

12.17.7. Interventions

1. For Iron deficiency Anemia
Punarnavadi Mandoor: API Part 2-Vol. 3
Drakshavaleha: AFI, Part – I, 3;15, pg- 40
Krimudgar Rasa: AFI, Part-I, 20:10 Pg.260; CCRAS monograph
2. Moderate Malnutrition
Arvindasav: AFI, Part – I, 1:4, pg- 44-46
Drakshavaleha: AFI, Part – I, 3;15, pg- 40
3. Sickle Cell Anaemia
Dadimadi Ghrita: API Part II Volume II
Tab. Ayush-RP: A coded formulation developed by CCRAS

12.17.8. Participating centre along with PI:

Sl. No.	Name of the participating centre	Name of Investigators
1.	CARI, Bengaluru	PI: Dr. S.H. Doddamani, R.O. (Ay.) Co-I: Dr. Anchan Vidyashree, R.O. (Pathology) Dr. Thejaswini C, R.O/ (Ay.)
2.	ICMR-National Institute of Research in Tribal Health, Jabalpur, Madhya Pradesh	Principal Investigator: Dr Ravindra Kumar Co-Investigator: Dr Suyesh Shrivastava

12.17.9. Date of IEC approval: 07.07.2024

12.17.10. CTRI Registration/Reference (for clinical trials): REF/2024/09/092023DI

12.17.11. Date of initiation: 05.03.2024

12.17.12. Budget allocated: Rs. 51,86,596

12.17.13. Instalment wise release:

S.No	Instalment	Sanction order	Date	Date of receipt of fund
01	Rs. 4,21,500	Office Order No. 1412/2023-24	05-03-2024	15-03-2024
02	Rs. 11,14,121	F.No. HQ-PROJ011/1/2024-PROJ/818	13-05-2024	15-04-2024
03	Rs. 6,07,000	F.No. HQ-PROJ011/1/2024-PROJ/3685	12-09-2024	17-09-2024
04	Rs. 10,27,427	F.No. HQ-PROJ011/1/2024-PROJ/5061	14-11-2024	20-11-2024
05	Rs. 5,41,357	F.No. HQ-PROJ011/1/2024-PROJ/7434	28-02-2025	05-03-2025

12.17.14. Chronological timeline & deliverables:

Sl. No	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1	Health screening of the students of 02 EMR Schools	18 months	Achieved	Nil

12.17.15. Current status: Ongoing

12.17.16. Relevant information, if any: Health screening of the students of 02 EMR schools for Tuberculosis, Anemia, Haemoglobinopathies & Malnutrition. Based on the prevalence of disease conditions, a particular disease condition would be allocated to the centre concerned for execution of the clinical trial.

12.18. Comparative Evaluation of field and hydroponic cultivation of selected Ayurvedic Medicinal Plants

12.18.1. Objectives

Primary:

- Standardization of cost-effective production technology for soilless cultivation/hydroponics for selected herbs.
- Evaluation of growth, yield, physicochemical, phytochemical, bioactive compounds in three systems of cultivation for selected herbs.
- Multiplication of herbs through the three systems.
- Economics of cultivation in three systems of cultivation for selected herbs.

Hypothesis:

- Proposed herbs can be grown in soilless media and hydroponics.
- The quality and chemical content is on par with field grown /wild collection.
- Alternate growth media can help in rapid multiplication and conservation of demanded medicinal plants.
- Innovative methods can help in production of quality herbs throughout year.

12.18.2. Study Design: Field, Hydroponic and Soilless cultivation

12.18.3. Sample Size: Five medicinal plants to be cultivated under hydroponic and soilless

12.18.4. Approval of IMR- O.O. 1213/2022-23, dated 08.02.2023, total budget sanctioned Rs.61,14,252/-

12.18.5. Duration of Study: 3 years

12.18.6. Interventions: NA

12.18.7. Participating centre along with PI:

S. No	Name of the participating centre	Name of Investigators
1.	CCRAS-CARI, Bengaluru	PI: Dr. V Rama Rao, R.O. (Botany) Co-I: Dr. Shiddamallayya N, R.O. (Botany), CCRAS, New Delhi
2.	ICAR-IIHR, Bengaluru	PI: Dr. Hima Bindu, Principal Scientist Co-I: Dr. D Kalaivana, Senior Scientist Dr. Safeena, Senior Scientist

12.18.8. Date of IEC approval: NA

12.18.9. CTRI Registration/Reference (for clinical trials): NA

12.18.10. Date of initiation: 17/02/2023 (funds transferred to IIHR, Hesaraghatta)

12.18.11. Budget allocated: Rs. 61,14,252/-

12.18.12. Instalment wise release

Budgetary details:

(Statement of expenditure from 01.04.2024 to 31-03-2025)

S.No.	Head	Sanctioned budget	Amount released	Expenditure	Unspent balance as on (31.03.2025)
1	Salary	16,00,200	7,15,670	6,09,490	NIL
2	Non-Recurring	4,30,000		-	
3	TA	1,00,000		21,285	
4	Consumables & Miscellaneous	3,00,000		68,196	
5	Contingency	2,00,000		16,699	
6	Total	26,30,200	7,15,670	7,15,670	

Instalments Details:

1st Instalment: Rs. 15,98,545/- released on 12-06-2024

(Ref: F. No. HQ-PROJ011/22/2023-PROJ/1514 dated: 12-06-2024)

Rs 14,21,575/- was transferred to ICAR-IIHR, Bengaluru

2nd Instalment: Rs. 2,14,300/- released on 10-09-2024

(Ref. No. F. No. HQ-PROJ011/22/2023-PROJ/3617. Dated: 10-09-2024)

3rd Instalment: Rs. 3,24,400/- released on 20-03-2025

(Ref: F. No. HQ-PROJ011/22/2023-PROJ/8140. Dated: 20-03-2025)

Total budget sanctioned : Rs. 26,30,200/- (to CARI, Bengaluru)

Total budget released : Rs. 7,15,670/-

Total expenditure incurred : Rs. 7,15,670/-

Balance amount : Nil (as on 31.03.2025)

12.18.13. Chronological timeline & deliverables:

Sl. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1	Marker compounds to be studied for field, soilless and hydroponics systems	36 months	Cultivation of selected medicinal plants initiated at IIHR, Bengaluru	NA

12.18.14. Current status: Ongoing

Procurement of planting material for cultivation at IIHR, Bengaluru:

- About 500 plant saplings of *Rubia cordifolia* were procured from the plant nursery at University of Agricultural Sciences, GKVK, Bengaluru and same have been supplied to IIHR, Bengaluru for cultivation under field, hydroponic and soilless cultivation.
- Planting material (seeds) of *Convolvulus pluricaulis* has been procured from Rajasthan to do experiments.
- Quality planting material (seed) of *Boerhavia diffusa* collected from field sounding Bengaluru and raising of samplings using seedling trays is under progress at CARI, Bengaluru.

Monitoring of cultivation experiments at ICAR-IIHR, Bengaluru:

- The botany team from CARI Bengaluru have been visiting ICAR-IIHR, Bengaluru and monitoring agro-techniques of the selected medicinal plants under field, hydroponic and soilless cultivation.
- CARI, Bengaluru received samples from field, hydroponic and soilless cultivation of *Uraria picta* for analysis of phytochemical, bioactive compounds.

Review of Literature and Publications:

- Reviewed literature and collected information of selected medicinal plants viz. Manjista (*Rubia cordifolia*), Prsniparni (*Uraria picta*), Shankapushpi (*Convolvulus pluricaulis*) Rakta Punarnava (*Boerhavia diffusa*) and Pippali (*Piper longum*) is under progress.
- One review article on “A Comprehensive Review of Selected Traditional Medicinal Plants: Status, Phytochemistry, Medicinal Properties, Cultivation and Demand” was published in Pharmacognosy Reviews.
- A research article on “Validation of a High-Performance Thin-Layer Chromatography (HPTLC) Method for the Quantitative Analysis of Lupeol in *Uraria picta* Extract” has been prepared and communicated to “Journal of Plant Biochemistry and Biotechnology” during the reporting period.

Work Progress at ICAR-IIHR Bengaluru during the reporting period

- Prishnaparni (*Uraria picta*) roots have been harvested from both field and soilless cultivation at 10 months after planting and samples given to CARI, Bengaluru for rhoifolin content analysis.
- Pippali (*Piper longum*) root harvest has been taken for second time from both field and soilless cultivation at 16 months after planting and samples given to CARI, Bengaluru for piperine content analysis.
- Soilless cultivation experiment has been taken for manjishta (*Rubia cordifolia*) and Shankapushpi (*Convolvulus pluricaulis*) with 3 substrate (S1-Arka fermented cocopeat alone (AFC), S2- AFC: Vermicompost 1:1v/v, S3- AFC: Vermicompost: Compost 1:1:1 v/v) and 5 nutrient levels.
- Field cultivation experiment has been taken for manjishta (*Rubia cordifolia*) with two inorganic and five organic nutrient treatments i.e kunapa jala, jeevambruta, FYM & vermicompost along with one control.
- Field and soilless cultivation of Prishnaparni (*Uraria picta*) have been taken up for the second time.
- Hydroponic cultivation experiment with Linear NFT (Nutrient Film technique) has been taken Prishnaparni with one inorganic and two organic treatments.
- Observations on growth attributes have been recorded in all system of cultivation.

12.18.15. Relevant information, if any: Nothing specific

12.19. Study of seasonal variation on Bioactive Compounds of Panchavalkal-05 Medicinal Plants used in Ayurveda

12.19.1. Objectives

- Exploration of wild population of Panchavalkala group of medicinal plants (*Ficus species* and *Thespesia populnea*) around Bengaluru, Karnataka
- Assessment of seasonal variation in bioactive compounds in *Ficus species* and *Thespesia populnea* for Panchavalkala in six *ritus*.

12.19.2. Study Design:

- Exploration and identification of available sources of Panchavalkala plants viz. Vata (*Ficus benghalensis*), Udumbara (*Ficus racemosa*), Ashwatta (*Ficus religiosa*), Plaksha (*Ficus lacor*) and Parishha (*Thespesia populnea*) from Bengaluru surrounding areas for seasonal study. One source with maximum raw drug availability will be selected for the collection of the raw material in all six *ritus*.
- Collection of useful part (bark) of Panchavalkala plants in six consecutive seasons according to Ayurveda i.e. *Shishira* (winter) from mid-January to mid-March; *Vasanta* (spring)-mid-March to mid-May; *Grishma* (summer) from mid-May to mid-July; *Varsha* (monsoon) from mid-July to mid-September; *Sharad* (autumn) from mid-September to mid-November; *Hemanta* (late autumn) from mid-November to mid-January.
- Analysis of commonly available and useful bio-active compounds in 3 replicant samples for each species for six seasons/*ritus*. Comparative studies will be conducted on the selected bio active compounds extracted from the useful part in all the 6 *ritus* by using markers
- Assessment Criteria:
Availability and comparative studies to be conducted on selected and useful bio-active compounds extracted from the useful part (BARK) of Panchavalkala group of plants in 6 *ritus* i.e. *Shishira* (winter); *Vasanta* (spring); *Grishma* (summer); *Varsha* (monsoon); *Sharad* (autumn); *Hemanta* (late autumn) to find out best season for collection of the crude drug.

12.19.3. Sample size: Bark of five medicinal plants for study of variation in bioactive compounds

12.19.4. Approval of IMR: O.O. 1232/2022-23, dated 14.02.2023, total budget sanctioned Rs.29,81,828/- (revised-F.No. HQ-PROJ011/24/2023-PROJ/3314 dtd. 23.08.2024)

12.19.5. Instalment wise release: 1st Instalment of Rs. 9,44,240/- of collaborative institute UAS, GKVK Bengaluru released on 17/02/2023; 2nd Instalment (revised) of Rs. 11,85,920/- released on 23.08.2024 to the collaborative institute.

12.19.6. Duration of study: 2 years (extended up to 31.10.2025 without additional budget)

12.19.7. Interventions: NA

12.19.8. Participating centre along with PI:

Sl. No.	Name of the participating centre	Name of Investigators
1.	CCRAS-CARI, Bengaluru	PI: Dr. V Rama Rao, R. O. (Botany) Co-I: Dr. Dr. Shiddamallayya, R.O. (Botany), CCRAS, New Delhi
2.	UAS, GKVK, Bengaluru	PI: Dr. Srinivasappa, Professor Co-I: Dr. T S Manjunatha, Assistant Professor

12.19.9. Date of IEC approval: NA

12.19.10. CTRI Registration/Reference (for clinical trials): NA

12.19.11. Date of initiation: 17/02/2023 (funds transferred to UAS, GKVK, Bengaluru)

12.19.12. Budget allocated: Rs. 9,76,000/- (CARI) Rs. 20,05,828/- (revised for GKVK)

12.19.13. Instalment wise budget release (CARI Bengaluru)

Sl. No.	Installment	Sanction order	Date	Date of receipt of fund
1	1,23,000	CCRAS office order dated 02.06.2023	02/06/2023	26/06/2023
2	1,23,000	CCRAS office order dated 14.11.2023	14/11/2023	16/11/2023
3	1,59,000	CCRAS office order dated 14.03.2024	14/03/2024	14/03/2024
4	2,75,821	CCRAS office order dated 17.12.2024	17/12/2024	17/12/2024
5	84,253	CCRAS office order dated 20.03.2025	20/03/2025	25.03.2025

12.19.14. Chronological timeline & deliverables:

Sl. No	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1	Assessment of seasonal variation in bioactive compounds in bark of five medicinal plants	24 months	Project duration ended on 13.02.2025. extension sanctioned up to 31.10.2025	Project period extension due to delay in initiation of the project to study seasonal variation of bioactive compounds

12.19.15. Current status:

- Conducted survey in and around Bengaluru city surroundings and collected useful part (stem bark) of the four selected medicinal plants (*Ficus bengalensis* L., *Ficus religiosa* L., *Ficus racemosa* L. and *Thespesia populnea* L.) for six seasons as per Ayurveda under the study. One selected species viz., *Ficus virens* Aiton collected seasonally from Sakleshpura surrounding areas in Hassan district. The collected plant samples, after proper drying, powdered and supplied to University of Agricultural Sciences, GKVK Bengaluru for analysis of bioactive compounds to see the seasonal variation.
- Useful part (stem bark) of Panchavalkal plants has been analysed for 10 ritus for the collected samples through HPLC (High Performance Liquid Chromatography) at University of Agricultural Sciences, GKVK, Bengaluru for active bioactive compounds.
- Collection of the samples grishma and varsha ritus during 2025-26 for quality analysis is to be completed.

12.19.16. Relevant information, if any: Nothing specific

12.20. Elucidating mechanisms of anti-hyperglycemic activity of selected herbal formulations

12.20.1. Objectives

- Primary: To establish mechanisms of anti-hyperglycemic activity of selected herbal formulations.
- Secondary:
 - To evaluate the effect of herbal formulations on insulin sensitization in adipocytes, myocytes and hepatocytes.

- To evaluate the effect of herbal formulations on insulin secretion in pancreatic Beta cells.
- To evaluate α -glucosidase inhibitory and DPP- IV inhibitory activity (in vitro) of herbal formulations.

12.20.2. Study design:

The present study aims to elucidate the mechanisms underlying the anti hyperglycemic activity of selected herbal formulations through a series of in vitro experiments. The study will involve multiple cell lines, including HepG2 (liver cells), L6 (myoblasts), and 3T3-L1 (pre-adipocytes) to assess insulin sensitization via glucose uptake and the expression of glucose transporters (GLUT1 and GLUT4). RIN5F cells will be used to evaluate the formulations' effects on insulin secretion and β -cell regeneration. Fatty acid profiling of the treated cells will be performed using gas chromatography. The optimal concentrations of herbal formulations will be standardized prior to detailed assays. Furthermore, the potential of these formulations in promoting cell survival and proliferation will be investigated through Western blot analysis targeting apoptosis (cleaved caspases) and proliferation markers (Ki67, PCNA). Additionally, the inhibitory effects of the formulations on α -glucosidase and DPP-IV enzymes will be studied to explore their role in postprandial glucose regulation.

12.20.3. Sample size: 4 formulations

12.20.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: Council's Office Order No: 1144/2023-24 (F. No. HQ-PROJ011/270/2023-PROJ/1144 dated 16/01/24.

12.20.5. Duration of study: 2 years

Participating centre along with PI:

S. No.	Name of the Institute	Name of Investigators
1.	CARI, Bengaluru	PI: Dr. Vidyashree Anchan, R.O. (Path.) Co-I: Dr SH Doddamani, R.O. (Ay.)
2.	Interactive Research School for Health Affairs Bharati Vidyapeeth Deemed to be University, Dhankawadi	PI: Dr. Supriya S Bhalerao, Asst. Professor Co-I: Asavari Joshi, Scientist

12.20.6. Date of IEC approval: NA

12.20.7. CTIR Registration/Reference (for clinical trials): NA

12.20.8. Date of initiation: 19/03/2024

12.20.9. Budget allocated: Rs. 55,53,648/-

12.20.10. Installment wise release

Sl. No.	Installment	Sanctioned order	Date	Date of receipt of fund
1	1 st Installment Rs. 24,50,694/-	O.O. No: 1144/2023-24 (F. No. HQ-ROJ011/270/2023-PROJ/1144	16/01/24	13/03/24
2	2 nd Installment Rs. 40,000/-	O.O. No: 1144/2023-24 (F. No. HQ-ROJ011/270/2023-PROJ/1380	5/8/24	6/8/24
3	3 rd Installment Rs. 1,461/-	O.O. No: 1144/2023-24 (F. No. HQ-ROJ011/270/2023-PROJ/7420	28/2/25	20/3/25

12.20.10. Expected date of Completion: 30/06/2026

12.20.11. Chronological timeline & deliverables: Yet to be initiated

Sl. No.	Target	Timeline	Achieved	Causes of deviation, if any
1.	Cell line studies of four formulations- Triphala, Trimada, Varadi, Kvatha, Mustadi Kvatha	24 months	The alpha-glucosidase inhibition study using Triphala, Varadi, and Mustadi formulations has been completed, along with cell viability (MTT) assays for L6 and HepG2 using various concentrations of FBS. Additionally, MTT assays for L6, HepG2, and RIN-5F with lower concentrations of these formulations, have also been completed. The DPP-IV inhibition assay using the same formulations has been conducted. Furthermore, MTT assays for L6, HepG2, and RIN-5F using only the lipotoxicity inducer (palmitic acid) have been completed.	As per timeline

12.20.16. Relevant information, if any: Nothing Specific

12.21. Efficacy and safety of Arjuna [*Terminalia arjuna* (Roxb. Wight & Arn)] as an adjunct to standard care in Atherogenic Dyslipidemia- A randomized double-blind placebo-controlled study

12.21.1. Objectives:

Primary:

- To assess the efficacy of Arjuna [*Terminalia arjuna* (Roxb.) Wight & Arn] as an adjunct to Standard Care in Atherogenic Dyslipidemia in improving lipid metabolism at 12 and 24 weeks.

Secondary:

- To assess the efficacy of 'Arjuna' [*Terminalia arjuna* (Roxb.) Wight & Arn] as an adjunct to standard care on (a) biomarkers of risk for cardiovascular disease such as total Apo A concentration, apolipoprotein AI and AII proteoforms, cholesterol efflux capacity, pro B-type natriuretic peptide (NT-proBNP) and insulin resistance; (b) inflammatory biomarkers such as hsc-reactive protein, interleukin 6 and tumor necrosis factor alpha; (c) BMI, weight, waist circumference, body fat composition; and (d) other surrogate biomarkers of atherogenesis, at 12 and 24 weeks.
- To assess the safety of Arjuna as an adjunct to standard care in dyslipidemia.

12.21.2. Study Design:

This randomized, double-blind, placebo-controlled clinical trial aims to evaluate the efficacy and safety of *Terminalia arjuna* (hydroalcoholic extract) in the management of dyslipidemia. A total of 170 participants will be enrolled and divided into two groups (85 subjects each). Group I will receive Arjuna tablets (500 mg twice daily with lukewarm water) along with Rosuvastatin 10 mg/day, while Group II will receive Rosuvastatin 10 mg/day with a matching placebo. The treatment duration is 24 weeks (168 days), with an option for LDL-C "rescue therapy" at week 12 (day 84), wherein Rosuvastatin dose may be escalated to 20 mg/day for participants whose LDL-C remains >130 mg/dL, based on the investigator's assessment. All participants will be provided standardized dietary and lifestyle advice. Individuals at high or very high cardiovascular risk, as determined by baseline Framingham Risk Score (10-year

FRS), ASCVD risk calculator, or comorbidities such as CVD or diabetes, will be excluded. Ethical clearance will be obtained from the Institutional Ethics Committee (IEC) of Samatvam, Bengaluru, prior to enrollment. The total study duration is 30 months, including 6 months for pre-trial preparation, 12 months for recruitment, 42 days for a statin run-in phase, 6 months of treatment, 28 days of follow-up, and 3 months for statistical analysis.

12.21.3. Sample Size: 170

12.21.4. Approval of IMR-PEMC, Annual Action Plan, RFD etc. along with date: Council's Office Order No: 1319/2024-25 (F. No. HQ-PROJ011/111/2024-PROJ/1319 dated 05/03/25).

12.21.5. Duration of Study: 2.5 years

Participating centre along with PI:

S.No	Name of the Institute	Name of Investigators
1.	Central Ayurveda Research Institute, Bengaluru	PI: Dr. Vidyashree Anchan, R.O. (Path.) Co-I: Dr Sulochana Bhat, Asst. Director I/c Dr Raghavendra Naik, R.O. (Ayu.)
2.	Indian Institute of Science, Bangalore (IISC)	PI: Dr Prof Navakanta Bhat, Dean Co-I: Prof AJ Vinaya Simha
3	Samatvam: Science and Research for Human Welfare Trust, Bengaluru	PI: Dr S Srikanta, Physician Scientist Co-I: Dr Kavitha Muniraj, Medical Director

Date of IEC approval: Not yet

12.21.6. CTRI Registration/Reference (for clinical trials): Not yet

12.21.7. Date of initiation: Not yet initiated

12.21.8. Budget allocated: Rs. 87,53,211/-

12.21.9. Installment wise release - NIL

12.21.10. Expected date of Completion: 2 years after initiation

12.21.11. Chronological timeline & deliverables: Yet to be initiated

Sl. No.	Target	Timeline	Achieved	Causes of deviation, if any
1.	170	24 months	The MoU draft has been reviewed and corrected by the Headquarters and has been forwarded to the collaborative institute for approval	As per timeline

12.22. A Double blind double dummy prospective randomized controlled study to evaluate the efficacy of classical Ayurveda management versus Methotrexate in Rheumatoid Arthritis (AMRA 2.0 Study)

12.22.1. Objectives:

Primary:

- To compare the efficacy of Ayurvedic management vs Methotrexate in participants of Rheumatoid arthritis.

Secondary:

- To evaluate the safety of Ayurvedic management in participants of Rheumatoid arthritis.

12.22.2. Study Design: A Double blind double dummy prospective randomized controlled study to evaluate the efficacy of classical Ayurveda management versus Methotrexate in Rheumatoid Arthritis (AMRA Study) in 3 centers.

- Purpose: Treatment
- Level of study :OPD
- Masking: Double blind double dummy
- Control: Controlled

- Timing: Prospective
- End Point: Safety and efficacy
- No. of Groups: Two
- Sample Size: 140 patients (70 in each group)
- Centres: Multicentric.

12.22.3. Sample Size: 140 (Trial group: 70 and Placebo group: 70).

12.22.4. Approval of IMR-PEMC, Annual Action Plan, RFD, etc. along with date: Technical sanction order -F.No.HQ-PROJ 011/185/2022-PROJ, O.O. 1137/2024-25 dated 21.01.25

12.22.5. Duration of Study: 2 Years

12.22.6. Interventions:

Group-1 Ayurveda plus Methotrexate (MTX) placebo

Group-2 Methotrexate (MTX) plus Ayurveda placebo.

Allopathic Treatment. Since there will be an array of Ayurvedic approaches for the Ayurvedic physicians to individualize treatment, an equivalent range of MTX (7.5 to 25 mg/wk) will be allowed, according to the following algorithm:

7.5 mg/week for 2 weeks

10 mg/week for 2 weeks

12.5 mg/week for 2 weeks

15 mg/week for 2 weeks

17.5 mg/week for 2 weeks

20 mg/week for 4 weeks

20 mg/week for 4 weeks

22.5 mg/week for 4 weeks

Then: 25 mg/week for the rest of the study.

Participants will be managed with internal medicines and oils for external use, like outpatient treatment of RA.

List of the drugs to be used in RA

1. Agastyarasayanam	19. Yogarajaguggulu
2. Amritharishtam	20. Simhanadaguggulu
3. Avipatthikarachurna	21. Hingvastakachurna
4. Balaguduchyadi oil	22. Vatariguggulu
5. Chyavanprasham	23. Rasnasaptakakwatha
6. DashamoolaHaritaki	24. Shuntichurna
7. Dashamoolarishta	25. Amruthoththaramkashaya
8. Dhanvantaramthaila	26. Rasnadikashyam
9. IndukanthaGhritha	27. Brihatsaindhvadithaila
10. KaishoraGuggulu	28. Rasnadikashyam
11. Kalyanagulam	29. Indukantamkashaya
12. Kottamchukkadithailam	30. Kokilakshakashaya
13. Lohasavam	31. Manjistadikashaya
14. Narayanathailam	32. Shaddharanachurna
15. Pindathailam	33. Balaguduchyadikashayam
16. Punarnavasavam	34. Brahma rasayanam
17. Trivritrithlehyam	35. Chandraprabhavati
18. Vaishwanarachurna	

12.22.7. Participating centre along with PI:

S.No.	Name of the participating centre	Name of PI
1	Central Ayurveda Research Institute, (CARI), CCRAS, Bangalore.	PI: Dr M.N Shubhashree R.O (Ay.) Co-PI: Dr. SH Doddamani, RO (Ay.) Dr. Bhavya BM, RO (Ay.)
2	RRAP Central Ayurveda Research Institute for Cancer (CARIC), CCRAS, Mumbai	PI:Dr. Manohar S. Gundeti Co-PI: Dr. R. Govind Reddy, Assistant Director (Ayu) Incharge Dr. Lakshaman Burkhe
3	Aryavaidya Pharmacy, Coimbatore	PI: Dr .Somit Co-PI: Dr. Sreedevi Dr Srinivasan A
4	Amrita School of Ayurveda	PI: Dr.Rammanohar P , Director Dr.AnusreeDileep, AssociateProfessor Dr.DevipriyaSoman, AssociateProfessor Dr.SujithraM, DeputyMedicalSuperintendent

12.22.8. Date of IEC approval: Yet to be done

12.22.9. CTRI Registration/Reference (for clinical trials): yet to be done

12.22.10. Date of initiation: yet to be initiated

12.22.11. Budget allocated: yet to be released

12.22.12. Installment wise release:

12.22.13. Chronological timeline & deliverables:

S. No.	Target	Timeline	Achieved/ Not achieved	Causes of deviation, if any
1	Pre –Trial period	03 month	-	--
2	Recruitment (140 patients)	20 months	-	--
	Report writing	1 month	-	

12.22.14. Current status: Yet to begin

12.22.15. Relevant information, if any: Nothing Specific

Important photographs of various activities of CARI during 2024-2025



Inauguration of IPD, CARI, Bengaluru on 08.07.2024

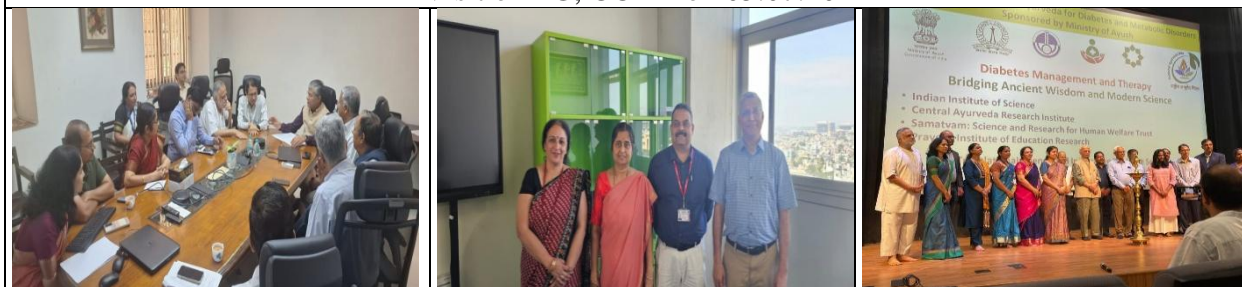


Visit by CCRAS Hqrs. officers on 30.05.2024

DDA visit on 08.11.2024



Visit of DG, CCRH on 05.07.2024



Meeting with Secretary Ayush and IISc Scientists regarding Integration of Ayush at TATA IISc Medical School, Bengaluru

Meeting with Prof. Swaminathan, IISc Bengaluru to discuss about establishing Integrative medicine facility at TA-IISc medical school

Virtual launch of CoE in Ayurveda for Diabetes and Metabolic Disorders by Hon'ble Prime minister at IISc Bengaluru-29.10.2024



Institute Incharge receiving FSSAI certificate, manuscripts during Avalokana 24-25 at Jaipur



Pharmacovigilance Awareness programme at CARl, Bengaluru



ICMR –NITM meeting



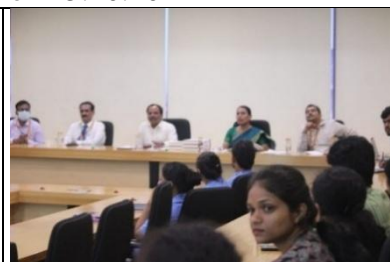
Press meet held by Officers of CARl at Press club on 15.10.2024



Visit by Dr.Subodh Kumar, IAS CARl to review CoE scheme on 04.03.2024



Prameha chintana organized by CARl, Bengaluru on 14.11.2024



Dr. SH Doddamani as PhD examiner at CIMR, MAHE, Manipal 24.04.2024



14.09.2024 को भारत मंडपम., नई दिल्ली में आयोजित चतुर्थ अखिल भारतीय हिंदी सम्मलेन में भाग लेते हुए



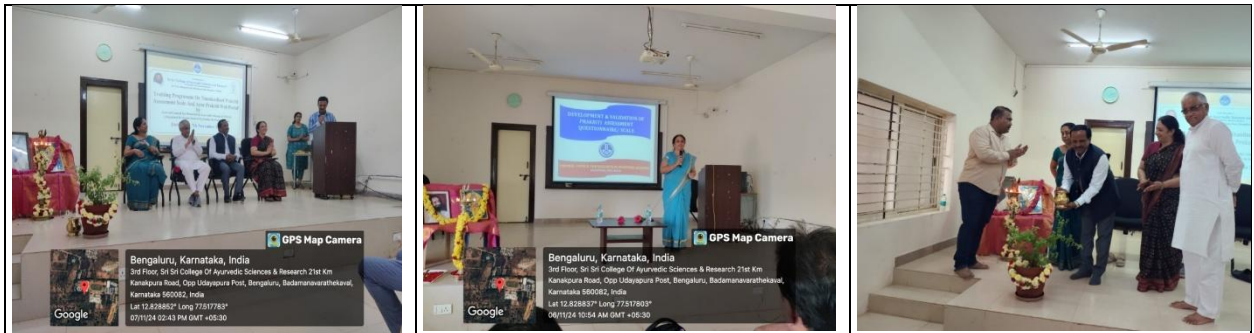
Chief Guest for Convocation ceremony at Gramina Ayurveda Medical College, Teradal on 27.11.2024



IEC meeting at CARl, Bengaluru during January 2025



Resource person at Pharmacovigilance Programme at JSS Ayurvedic Medical College, Mysore	Pharmacovigilance Programme as a Resource person at GAMC, Bengaluru	As a Chief Guest during Skill Development initiative at Dayanand Sagar College of Pharmaceutical Sciences, Bengaluru
		
Monitoring visit of AYUSH GMH (NAFLD) project at KAHER's Shri BMK Ayurveda Mahavidyalaya, Belagavi on 23 rd December 2024	Visit by Ayush Medical officers, Ramanagar Dist at CARI, Bengaluru on 02.01.2025	Meeting at Interactive Research School for Health Affairs (IRSHA), Pune during 30.01.2025 to 01.02.2025
		
Training Programme on Ayur Prakriti Web Portal at Shri. B.M.Kankanawadi Ayurveda Mahavidyalaya, Belagavi 16 th & 17 th May 2024		
		
Training Programme on Ayur Prakriti Web Portal at RGESAMC & H, Ron on 3 rd & 4 th June 2024		
		
Training Programme on Ayur Prakriti Web Portal at Sri Sri College of Ayurvedic Science and Research, Bengaluru on 04-05.09.2024		



Training Programme on Ayur Prakriti Web Portal at Sri Sri College of Aurvedic Science and Research, Bengaluru on 6th & 7th November 2024



Training Programme on Ayur Prakriti Web Portal at S D M College of Ayurveda, Hospital and Research Center, Udupi, Karnataka. on 29th & 30th November 2024



Training Programme on Ayur Prakriti Web Portal at JSS, Mysore on 27-28.12.2024



Training Programme on Ayur Prakriti Web Portal at SDM Institute of Ayurveda and Hospital, Bengaluru on 27-28.02.2025



Medicinal plant distribution and Plantation during World Environment Day-2024



International Day of Yoga (IDY) June 21st 2024



World Blood Donor Day 2024



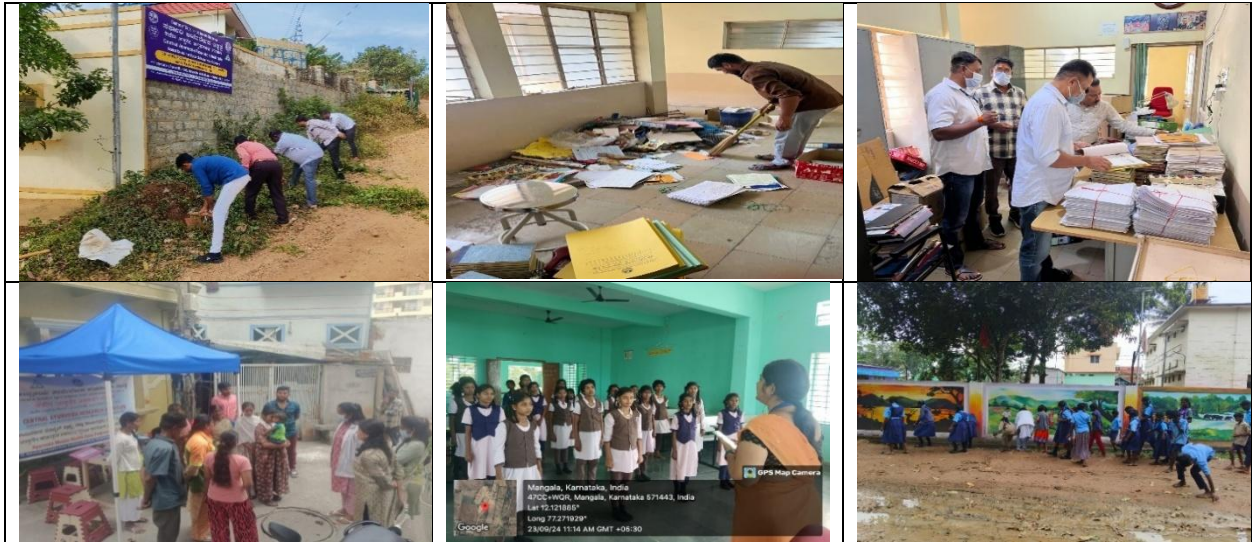
World Sickle Cell Awareness Day-2024



Patient's Rights Day 2024



World Organ Donation Day 2024



Swachhata Hi Sewa Campaign 2024



World Patient Safety Day 2024



Poshan Maah 2024



Activities under Vigilance Awareness Week 2024





Activities conducted during 9th Ayurveda Day 2024



Run for Ayurveda during 9th Ayurveda Day 2024



Constitutional Day 2024



Ayush Medical Coding and Records Day






100 days of intensified campaign on TB elimination



Glimpses of activities from CoE, in Madhumeha (Diabetes mellitus) 2024-25



		
Awareness camp at Neralakuppe	TB awareness lecture at Neralakuppe A aadi	Awareness lecture at Nagapura 1 st block
		
Door to door survey at Nagapura 4 th block	Survey conducted at Kalenahalli	Group discussion with localities at Doddahajjuru
Medical camps, survey and awareness programs conducted under THCRP 2024-25		
		
First Incidental support and Awareness lecture at EMRS Mangala and EMRS Gangannagripalli		
		
Yoga day celebration at EMRS Mangala and EMRS Gangannagripalli on 19-06-2024		
		
Camp on Role of Ritucharya in prevention of seasonal illness at Vasantha Vallabha Nagar-Yadalam Nagar on 30-05-2024		



Glimpses of activities from AMHCP-SCSP 2024-25



Geriatric Health Camp conducted through Ayushman Arogya Mandri in collaboration with State Ayush department at Govt. Ayurveda Dispensary, Bengaluru south on 10/9/2024



मुख्य अतिथि सम्मानीय सूरज कुमार अपना वक्तव्य प्रस्तुत करते हुए

प्रभारी महोदय मुख्य अतिथि को स्वागत करते हुए

पुरस्कार वितरण



संस्थान के अधिकारियों/कर्मचारियों ने दिनांक 14 सितंबर 2024 को हिंदी पखवाडा उद्घाटन समारंभ में भाग लेते हुए

हिंदी अनुभाग – वर्ष 2024-25 प्रगति प्रतिवेदन

प्रस्तावना:

- (i) “केन्द्रीय आयुर्वेद अनुसंधान संस्थान, उत्तरहल्ली मनवर्ते कावल, बेंगलूरू” में राजभाषा हिंदी उपयोग से संबंधित वार्षिक कार्यक्रम का अनुपालन नियमित रूप से किया जा रहा है। संस्थान में राजभाषा कार्यान्वयन समिति का गठन किया गया है। संस्थान में राजभाषा हिंदी से संबंधित कार्यों की देखरेख के लिए राजभाषा अधिकारी डॉ. राजेन्द्र कुमार, अनुसंधान अधिकारी (आयु.) तथा श्रीमती रश्मि कुलकर्णी, हिंदी सहायक (संविदा सेवा) हैं। वर्ष 2024-25 के लिए प्रत्येक त्रैमासिक में संस्थान के “राजभाषा कार्यान्वयन समिति” की नियमित बैठक आयोजित किया गया है। जैसे प्रथम त्रैमासिक में दिनांक 18 जून 2024 को, द्वितीय त्रैमासिक में दिनांक 11 सितंबर 2024 को, तृतीय त्रैमासिक में दिनांक 19 दिसंबर 2024 को और चतुर्थ त्रैमासिक में दिनांक 15 मार्च 2025 को आयोजित किया गया है।
- (ii) संस्थान में प्रत्येक त्रैमासिक के अंत में राजभाषा हिंदी उपयोग से संबंधित, राजभाषा विभाग द्वारा जारी त्रैमासिक प्रोफार्मा को भरकर ऑनलाइन के माध्यम से राजभाषा विभाग को तथा केन्द्रीय आयुर्वेदीय विज्ञान अनुसंधान परिषद् (सी.सी.आर.ए.एस) मुख्यालय, नई दिल्ली एवं नगर राजभाषा कार्यान्वयन समिति (नराकास), कार्यालय बेंगलूरू को प्रेषित किया जाता है।
- (iii) संस्थान में राजभाषा नियम धारा 3 (3) के तहत बनाए गए नियमों का पूर्ण रूप से अनुपालन हो रहा है। राजभाषा नियम 1976 (5) का अनुपालन पूर्ण रूप से किया जा रहा है। संस्थान में प्राप्त हिंदी पत्रों का उत्तर हिंदी में ही भेजा जा रहा है।
- (iv) राजभाषा विभाग द्वारा जारी “ग” क्षेत्र में स्थित कार्यालयों के लिए हिंदी पत्रों की प्रगति प्रतिशत के अनुसार संस्थान से नियमानुसार हिंदी पत्रों का प्रगामी प्रतिशत प्रत्येक तिमाही में निरंतर प्रगतिशील है।
- (v) राजभाषा नियम 1976 के नियम 10 के उपनियम (4) के अंतर्गत संस्थान को आयुष मंत्रालय पत्रांक संख्या ई-2013/1/11018 आयुष-रा.भा., दिनांक 14.09.2015 के माध्यम से राजपत्रित में अधिसूचित किया गया है।

1. संस्थान में राजभाषा कार्यान्वयन समिति का गठन:

- 1.1 संस्थान में वर्ष 2024-25 के लिए राजभाषा कार्यान्वयन समिति का गठन सन्दर्भ पत्र संख्या 1-23/2022-23/के.आ.अ.सं./बेंगलूरु/रा.भा./236, कार्यालय आदेश संख्या 54/2024-25, दिनांक 10.05.2024 के अनुसार गठित की गई है। जिसके सदस्य इस संस्थान के अध्यक्ष: डॉ. सुलोचना भट्ट, हिंदी प्रभारी: डॉ. राजेन्द्र कुमार, राजभाषा सदस्य: डॉ. भव्या बी.एम., श्री सुरेश कुमार, श्रीमती रितु सिन्हा, श्रीमती ज्योति जी., एवं हिंदी सहायक श्रीमती रश्मि कुलकर्णी हैं।

यह समिति प्रत्येक त्रैमासिक में “हिंदी बैठक” प्रभारी के उपस्थिति में करते हैं। बैठक में राजभाषा विभाग द्वारा जारी वार्षिक कार्यक्रम के बारे में, विभिन्न विभागों में हिंदी प्रगति के लिए बढ़ावा देने हेतु ठोस कदम लेने के लिए चर्चा की जाती है। हिंदी कार्यशाला, हिंदी पखवाड़ा के आयोजन के बारे में चर्चा की जाती है एवं हिंदी कार्यशाला में मुख्य वक्ता और कार्यशाला विषय पर भी चर्चा की जाती है।

2. संस्थान में राजभाषा हिंदी के तहत आयोजित कार्यक्रम:

- 2.1 संस्थान में परिषद् पत्र संख्या HQ-HIN015/1/2023-HIN/3597 एवं HQ-HIN015/1/2023-HIN/3599, दिनांक 09 सितंबर 2024 के अनुसरण में राजभाषा हिंदी के अनुपालन के तहत संस्थान में दिनांक 14 सितंबर 2024 से 30 सितंबर 2024 तक “हिंदी पखवाड़ा” का आयोजन किया गया था।
- 2.2 संस्थान में राजभाषा हिंदी के अनुपालनार्थ प्रत्येक त्रैमासिक में “हिंदी कार्यशाला” का आयोजन किया गया था। जैसे:-

प्रथम त्रैमासिक में दिनांक 20 जून 2024 को हिंदी कार्यशाला का आयोजन किया गया। कार्यशाला में श्रीमती रमिता सिंह, सहायक निदेशक, कर्मचारी राज्य बीमा निगम, बेंगलूरु उपस्थित थे। मुख्य अतिथि ने “योग का दैनिक जीवन में महत्व” पर व्याख्यान प्रस्तुत किया गया। व्याख्यान के दौरान श्रीमती सिंह ने सूचना तकनीकी क्रांति और सोशल मिडिया के इस वर्तमान समय में उत्पन्न हो रही विभिन्न मानसिक समस्याओं जैसे की फोकस और एकाग्रता की कमी, उदासीनता, चिड़चिड़ापन, मानसिक उद्वेग के निराकरण हेतु योग की योग की उपयोगिता के ऊपर प्रकाश डाला। उन्होंने बताया की कैसे योग, ध्यान, सुदर्शन क्रिया, प्राणायाम और विभिन्न श्वास प्रश्वास तकनीक द्वारा इन सब मानसिक समस्याओं को नियंत्रित किया जा सकता है। व्याख्यान के अंत में आयोजित प्रश्नोत्तरी में अतिथि वक्ताने संस्थान स्टाफ द्वारा पूछे गये योग और प्राणायाम से संबंधित विभिन्न प्रश्नों के जवाब दिए।

द्वितीय त्रैमासिक में दिनांक 30 सितंबर 2024 को हिंदी कार्यशाला आयोजन किया गया। कार्यशाला के मुख्य अतिथि सम्माननीय अतिथि वक्ता श्री सूरज के प्रसाद, प्रबंधक राजभाषा, भारतीय प्रबंधन संस्थान, बेंगलुरु ने “राजभाषा हिंदी का कार्यालयी कार्यों में कार्यान्वयन” विषय पर व्याख्यान प्रस्तुत किया। इस व्याख्यान में उन्होंने हिंदी के राजभाषा बनने के पीछे की पूरी भूमिका का वर्णन करने के बाद हिंदी के राजभाषा के रूप में हुई यात्रा के विभिन्न पड़ावों जैसे राजभाषा संकल्प, राष्ट्रपति के आदेश, राजभाषा अधिनियम 1963, राजभाषा नियम 1976, राजभाषा विभाग की स्थापना इत्यादि के बारे में बताया। कार्यालय के रोजमर्रा के कामकाज के दौरान राजभाषा अधिनियम 1963 और राजभाषा नियम 1976 के अंतर्गत किये गये विभिन्न प्रावधानों और नियमों उपनियमों की पालना सुनिश्चित करने की जरूरत के बारे में बताया। उन्होंने संस्थान को राजभाषा विभाग द्वारा जारी राजभाषा सम्बन्धी वार्षिक हिंदी कार्यक्रम के सभी लक्ष्यों की प्राप्ति करने की जरूरत के बारे में बताया। राजभाषा नियम 1976 की धारा 3 (3) के तहत आने वाले सभी दस्तावेजों को द्विभाषी में जारी किये जाने की आवश्यकता के बारे में बताया। उन्होंने राजभाषा नियम 1976 की धारा 10 (4) के तहत अधिसूचित कार्यालय का दर्जा पाने की महत्व के ऊपर प्रकाश डाला। उन्होंने संसदीय राजभाषा समिति के निरीक्षण के दौरान ध्यान देने योग्य बिन्दुओं पर चर्चा

की।व्याख्यान के अंत में आयोजित हिंदी प्रश्नोत्तरी में अतिथि वक्ता ने संस्थान के अधिकारियों और कर्मचारियों द्वारा पूछे गये राजभाषा हिंदी और इसकी वैज्ञानिकता से संबंधित विभिन्न प्रश्नों के जवाब दिए।

तृतीय त्रैमासिक में दिनांक 27 दिसंबर 2024 को हिंदी कार्यशाला मनाया गया था। कार्यशाला में मुख्य अतिथि अतिथि वक्ता श्री सुरेश कुमार, अनुसंधान सहायक (रसायन विज्ञान) केन्द्रीय आयुर्वेद अनुसन्धान संस्थान, बेंगलुरु ने “संस्थान के औषधि मानकीकरण अनुसन्धान इकाई (डी.एस.आर.यू.) में निष्पादित की जाने वाली गतिविधियाँ की संक्षिप्त चर्चा” पर व्याख्यान प्रस्तुत किया गया। व्याख्यान के दौरान श्री सुरेश ने डी.एस.आर.यू. में चल रही औषधि मानकीकरण की विभिन्न गतिविधियों जैसे क्रोमेटोग्राफी, टीएलसी, एचपीटीएलसी, अश वैल्यू, फोरेन मैटर वैल्यू, लोस ऑन ड्राईंग इत्यादी के बारे में विस्तार से बताया। उन्होंने ये भी बताया की संस्थान की अनुसन्धान गतिविधियों में डी.एस.आर.यू. में उपस्थित सुविधाओं का कैसे अधिकाधिक उपयोग किया जा सकता है।व्याख्यान के अंत में आयोजित प्रश्नोत्तरी में अतिथि वक्ता ने संस्थान स्टाफ द्वारा पूछे गये योग और प्राणायाम से संबंधित विभिन्न प्रश्नों के जवाब दिए।

चतुर्थ त्रैमासिक में दिनांक 23 मार्च 2025 को हिंदी कार्यशाला का आयोजन किया गया था। कार्यशाला में मुख्य अतिथि वक्ता श्री अशोक कुमार बिल्लुरे, सेवानिवृत्त संयुक्त निदेशक (राजभाषा विभाग), भारतीय अंतरिक्ष अनुसंधान संस्थान (ISRO) ने “राजभाषा हिंदी संबंधी कार्यालयी प्रावधान और उनका कार्यान्वयन” पर व्याख्यान प्रस्तुत किया। श्री अशोक कुमार, सेवानिवृत्त संयुक्त निदेशक (राजभाषा विभाग), भारतीय अंतरिक्ष अनुसंधान संस्थान (ISRO) ने “राजभाषा हिंदी संबंधी कार्यालयी प्रावधान और उनका कार्यान्वयन” पर व्याख्यान प्रस्तुत किया गया। व्याख्यान के दौरान श्री बिल्लुरे ने राजभाषा अधिनियम की धारा 3 (3) के अंतर्गत आने वाले दस्तावेजों और उनको द्विभाषी जारी करने की आवश्यकता के बारे में बताया। उन्होंने CAR। बेंगलुरु को राजभाषा अधिनियम की धारा 10(4) के अंतर्गत अधिसूचित कार्यालय होने के लिए बधाई दी और संस्थान के सभी कर्मचारियों को हिंदी में अधिकाधिक कार्य करने की तरीको के बारे में बताया। उन्होंने संस्थान प्रमुख द्वारा हिंदी वार्षिक कार्यक्रमकी अनुपालना सुनिश्चित करने हेतु जारी किये जाने वाले जांच बिन्दुओ पर चर्चा की।व्याख्यान के अंत में आयोजित प्रश्नोत्तरी में अतिथि वक्ता ने संस्थान स्टाफ द्वारा पूछे गये राजभाषा हिंदी संबंधित विभिन्न प्रश्नों के जवाब दिए।

प्रत्येक कार्यशाला में राजभाषा द्वारा जारी विषयों पर प्रशिक्षण दिया गया, जो सी.सी.आर.ए.एस., मुख्यालय नई दिल्ली द्वारा संस्थान को प्राप्त हुआ था। प्रत्येक कार्यशाला में संस्थान के सभी अधिकारियों/कर्मचारियों ने उत्साहपूर्वक भाग लिया था।

3. संस्थान द्वारा राजभाषा सम्मलेन में प्रतिभागित्व:

- 3.1 परिषद् निर्देशों के अनुसार दिनांक 14 से 15 सितंबर 2024 को भारत मंडपम, नई दिल्ली में आयोजित हिंदी दिवस एवं चतुर्थ अखिल भारतीय राजभाषा सम्मलेन में इस संस्थान के डॉ. राजेन्द्र कुमार, अनुसंधान अधिकारी (आयु.) एवं प्रभारी राजभाषा अधिकारी ने प्रतिनिधित्व किया।
- 3.2 दिनांक 04 जनवरी 2025 को मैसूर में आयोजित दक्षिण तथा दक्षिण पश्चिम क्षेत्र के एक दिवसीय क्षेत्रीय राजभाषा सम्मलेन एवं पुरस्कार वितरण में इस संस्थान के डॉ. राजेन्द्र कुमार, राजभाषा अधिकारी ने भाग लिया।

4. संस्थान के अधिकारियों/कर्मचारियों द्वारा केन्द्रीय हिंदी प्रशिक्षण उप संस्थान/हिंदी शिक्षण योजना द्वारा आयोजित प्रशिक्षण कार्यक्रम में प्रतिभागित्व:

- 4.1 हिंदी शिक्षण योजना, बेंगलूरु द्वारा आयोजित प्राज्ञ परीक्षा में इस संस्थान के श्रीमती हेमावती के.एच., चिकित्सीय प्रयोगशाला टेक्नोलॉजिस्ट, श्री निलोय बनर्जी, फार्मासिस्ट एवं श्री सतीश ए., जूनियर चिकित्सीय प्रयोगशाला टेक्नोलॉजिस्ट ने उत्तीर्ण हुए हैं।

5. नगर राजभाषा कार्यान्वयन समिति के बैठक/कार्यशाला में संस्थान द्वारा प्रतिभागित्व:

- 5.1 नराकास के तत्वाधान में दिनांक 22 मई 2024 को केन्द्रीय रेशम बोर्ड, बेंगलूरु द्वारा राजभाषा कर्मियों/राजभाषा प्रभारी के लिए आयोजित कंठस्थ कार्यशाला में इस संस्थान के डॉ. राजेन्द्र कुमार, प्रभारी राजभाषा अधिकारी एवं रश्मि कुलकर्णी, हिंदी सहायक ने भाग लिया।
- 5.2 नराकास कार्यालय 01 के तत्वाधान में दिनांक 19 जुलाई 2024 को यु.आर. राव उपग्रह केंद्र, बेंगलूरु में आयोजित वर्ष 2024 की पहली बैठक में इस संस्थान के डॉ. राजेन्द्र कुमार, राजभाषा अधिकारी ने प्रतिनिधित्व किया।
- 5.3 नराकास कार्यालय 03 के तत्वाधान में दिनांक 28 अक्टूबर 2024 को केन्द्रीय रेशम बोर्ड, बेंगलूरु में आयोजित वर्ष 2024 की पहली बैठक में संस्थान के डॉ. राजेन्द्र कुमार, राजभाषा अधिकारी एवं श्रीमती रश्मि कुलकर्णी, हिंदी सहायक ने प्रतिनिधित्व किया।
- 5.4 केनरा बैंक, राजभाषा अनुभाग, मानव संसाधन विभाग, प्रधान कार्यालय द्वारा दिनांक 07 मार्च 2025 को अंतर्राष्ट्रीय महिला दिवस के अवसर पर केंद्र सरकार के कार्यालयों/बैंक/उपक्रमों के कर्मचारियों के लिए आयोजित एक दिवसीय कार्यशाला में इस संस्थान के डॉ. भव्य बी.एम्., अनुसन्धान अधिकारी (आयु.) एवं श्रीमती रश्मि कुलकर्णी ने भाग लिया।

6. संस्थान के पुस्तकालय के लिए पुस्तकों की खरीद:

- 6.1 इस वित्तीय वर्ष 2024-25 के लिए हिंदी किताबों की खरीद मेसर्स चौखंभा ओरिएंटलिया, बेंगलूरु एवं जेम के माध्यम से किए हैं। पुस्तकों की खरीद में कुल रूपए 9,498/- (रूपए नौ हजार चार सौ अठानबे मात्र) व्यय हुआ है।

7. राजभाषा संबंधी निरीक्षण:

- 7.1 संस्थान में दिनांक 10 फरवरी 2025 को परिषद् मुख्यालय द्वारा राजभाषा ई-निरीक्षण हुआ।
- 7.2 संस्थान में दिनांक 26 मार्च 2025 को क्षेत्रीय कार्यान्वयन कार्यालय (दक्षिण), बेंगलूरु कार्यालय द्वारा राजभाषा निरीक्षण हुआ।

13. Other activities during the year 2024-25

13.1 World Environment Day 2024

As per the directions received from CCRAS, New Delhi, various activities were planned as per the directives of the Ministry of Environment, Forest & Climate and as per LIFE Campaign On the occasion of World Environment Day celebration-2024 medicinal plant plantation and plant distribution was conducted at OPD CARI, Bengaluru on 05.06.2024. Dr. Kishore Kumar, Associate Professor, NIMHANS, Bengaluru, Dr. Sulochana Bhat, Asst. Director Incharge, CARI Bengaluru and staff of CARI Bengaluru participated in the event. Details of the event and photographs were uploaded in Meri LIFE website.

13.2 Count down for International Day of Yoga (IDY) 2024

As per the directions received from the Assistant Director Incharge, CARI Bengaluru, count down for International Day of Yoga (IDY) 2024 started on 27.05.2024. Staff of CARI Bengaluru performed yoga in the yoga hall. Yoga was being conducted every day at 11am in the yoga hall, OPD Block, CARI Bengaluru. THCRP & SCSP team, CARI, Bengaluru actively organised yoga demonstrations to school students and public during countdown programmes.

10th International Yoga Day-2024 was celebrated in CARI Bengaluru on 21.06.2024 with the theme “Yoga for Self & Society”. All the staff of CARI, Bengaluru participated in Yoga Day celebrations by performing yoga in the CARI Campus.

13.3 World Blood Donor Day 2024

As per instructions from the Central Council of Research in Ayurvedic Sciences (CCRAS) and the Ministry of Health and Family Welfare, Govt. of India, the Central Ayurveda Research Institute has observed World Blood Donor Day on 14th June 2024. All the officers, employees and patients of the institute participated in the event. Dr. Vidyashree Anchan, RO (Pathology) at OPD, CARI Bengaluru gave a brief overview about observing World Blood Donor Day. A free blood group analysis camp was conducted for the staff and patients. As per the theme she also took this opportunity to thank blood donors for their life-saving donations and honour the impact on both patients and donors. She also emphasized that blood donation is crucial for a wide range of medical procedures, including surgeries, childbirth, cancer treatments and emergency care for accident victims. This was followed by the pledge by all the staff and general public to motivate all eligible family members, friends and relatives to donate blood. Pledge-taking for blood donation was also conducted during the outreach camp of the SCSP project.

13.4 World Sickle Cell Awareness Day 2024

World Sickle Cell Awareness Day is observed annually on June 19th to raise awareness about sickle cell disease, a genetic blood disorder affecting millions worldwide. This year, the Central Council for Research in Ayurvedic Sciences (CCRAS), under the Ministry of Ayush, Government of India, took proactive steps to educate and raise awareness among Eklavya Model Residential schools (EMRS) functioning under Ministry of Tribal Affairs, Government of India in collaboration with CCRYN and S-VYASA Bengaluru. A awareness programme on

sickle cell disease day and yoga demonstration was conducted for better health outcomes in students of Ekalavya Model Residential Schools (EMRS) functioning under M/o Tribal Affairs was conducted at EMRS, Gangannagaripalli village, Kolar District by Dr. Vidyashree Anchan (Co-I), Dr. Kruthika B(SRF) & Shashidhar J (MTA) on 19th June 2024 and at EMRS Mangala at Chamrajanagar district, by Dr. S.H Doddamani (PI) & Mr. Kiran N on 19th June 2024.

13.5 Patient's Rights Day 2024

Patient's Rights Day was celebrated on 25th June 2024 at CARI, Bengaluru. Awareness about access to care, patients' rights and obligations was explained by CARI staff to patients attending OPD at CARI, Bengaluru.

13.6 Visit by DG CCRH on 05.07.2024

Dr. Subhash Kaushik, DG CCRH visited CARI Bengaluru on 05.07.2024. Dr. Sulochana Bhat, Assistant Director-Incharge, CARI Bengaluru welcomed the DG. He visited various departments of CARI Bengaluru-Administrative and OPD Blocks and interacted with the Research officers and other staff.

13.6 Inauguration of IPD, CARI Bengaluru on 08.07.2024

Inauguration of In-Patient Department (IPD), CARI Bengaluru was conducted on 08.07.2024. The Guests of Honour for the Occasions were Dr. Kousthubha Upadhyaya, Advisor (Ay.), Ministry of AYUSH, Govt of India, Prof. Navakanta Bhat, Dear, CoNSE, IISC, Bengaluru, Dr. Sridevi Annapurna Singh, Director, CSIR-CFTRI, Mysore, Dr. Rabinarayan Acharya, Director general, CCRAS, New Delhi, and Dr. Srikanta, SAMATVAM. Dr. Sulochana Bhat, Assistant Director-Incharge, CARI Bengaluru heartily welcomed all the guests of Honour, guests from various departments, employees and ex-employees of CARI Bengaluru and RARIM&MMR Goa. Introductory address was given by Dr. Rabinarayan Acharya, Director General, CCRAS, New Delhi. All the guests of Honour addressed the gathering and shared their experience in their respective fields and motivated the gathering. Dr. Shubhashree, Research Officer(Ay.), CARI Bengaluru gave Vote of Thanks.

13.7 World Organ Donation Day 2024

World Organ Donation Day 2024 was observed in Central Ayurveda Research Institute on 03.08.2024. Dr. Vidyashree Anchan, Research Officer (Pathology), delivered a talk on Organ donation and created awareness in general public and staff of CARI & RARIM & MMR at OPD, CARI, Bengaluru and Dr. Rajendra Kumar Paliwal, Research Officer (Ayurveda) delivered a talk on organ donation to staff of CARI & RARIM&MMR in Seminar Hall, Admin block, CARI, Bengaluru.

13.8 Swachhata Hi Sewa 2024

As per the direction of Ministry of Ayush CARI Bengaluru organized Swacchhta hi Sewa campaign during the period of 15th September 2024 to 31st October 2024. "Cleanliness is next to Godliness" said Mahatma Gandhiji founding father our Nation. The famous slogan of Swachha Bharat "Ek Kadam Swachhata ki Aur" is the driving force towards swachhata and

good habits. On 17th September 2024 Dr. Sulochana Bhat, Assistant Director In charge, addressed all staff of the Institute and emphasized about solid waste management, sanitation coverage, waste management to get rid of diseases. Swachha Hi Seva Pledge was taken during the programme. During the campaign, Sramdhaan (cleanliness drive) was conducted by general cleaning of in and around the premises of CARI, new and old campus along with instruction to maintain greenery environment with herbal garden. It was also instructed to keep premises plastic free and providing of clean drinking water for IPD/OPD patients and staff of the institute. Several steps have been taken to avoid the single use plastic in all sections of institute premises including Hospital canteen and continues effort will be made to maintain the cleanliness in the hospital and administrative wing for the benefit of staff and patients. Promotion of health through awareness lecture, pledge taking by students and public and free distribution of soaps and sanitizers was done through outreach programmes like THCRP, SCSP and EMRS. On 1st October 2024 a awareness lecture as given by Dr. Vidyashee Anchan, Research officer (Path.) on the subject of “Biomedical Waste Management - Ensuring Safe & Environment Friendly Disposal” to the entire staff of the Institute, KTJ Ayurveda Medical College students and staff. The photos of the event were uploaded in the website provided.

13.9 World Patient Safety Day 2024

As part of World Patient Safety Day, an awareness talk was given by Dr. Sulochana Bhat, Assistant Director-Incharge, CARI Bengaluru, Dr. S H Doddamani, R.O (Ay.), Dr.Arsha K S, SRF (Ay.) on Pharmacovigilance on 18.09.2024. Patients attending CARI OPD, Consultants, SRF and Paramedical Staffs attended the talk.

13.10 Poshan Maah 2024

As per the email from headquarters dated 5.9.2024, Rastriya Poshana Maah was celebrated at CARI, Bengaluru during September 2024. Dr. Shubhashree M.N. Research Officer (Ayu) was nominated as Nodal officer. Dr.Sulochana Bhat, Incharge CARI inaugurated the Poshana Maaha programme by addressing women and children at CARI OPD and medicinal plants were distributed for initiating the event under “Ek Ped Maa ke naam” Efforts were made to reach out grass root level by conducting awareness programmes on importance of Nutrition and personal hygiene at outskirts and villages by Senior Research Fellows of Tribal Health Care Research programme, Ekalavya Model Resaerch programme, SCSP and other outreach programmes. Traditional nutritional recipe competition was organized among Anganwadi teachers in association with Women and Child Development wing, Government of Karnataka. Photos were uploaded on CARI websites and Janandholan dashboard regularly to spread awareness.

13.11 Vigilance Awareness Week 2024

Vigilance awareness week was observed from 28th October 2024 to 3' November 2024 with the theme “भ्रष्टाचार का विरोध: राष्ट्र के प्रति समर्पित रहे” “Say no to corruption: Commit to the nation”. All the staff of CARI Bengaluru and RARIM&MMR took e-pledge and integrity pledge on 28.10.2024.

During vigilance awareness week, an essay competition was organized to all the staff of CARI, Bengaluru and RARIM&MMR, Bengaluru on the topic "The root cause of corruption and effective measures to stop it" on 30.10.2024. A guest lecture was organized on the theme "Culture's integrity for nation's prosperity" by Shri Jagadeesh Kumar, Police Inspector, Thalaghattapura Police Station on 30.10.2024 to all the institute staff. Awareness Lecture and pledge taking was also done in outreach schools on the occasion of Vigilance Awareness Week.

13.12 9th Ayurveda Day 2024

9th Ayurveda Day was observed on 29th October 2024. Different activities were conducted from 19th October to 29th October 2024. The theme of the 9th Ayurveda Day was 'Ayurveda Innovation for Global Health'. Various activities were carried out through OPD, Outreach programmes, Survey of Medicinal Plant unit by delivering public awareness lectures on various health topics including women health and child health, distribution of free medicinal plants, nutritious foods and IEC material, focus medical camps on diseases like Diabetes, Dyslipidemia, Hypothyroidism, Diabetic Retinopathy etc. Prakriti assessment, Yoga classes and awareness programme were also conducted for general public, OPD patients, IPD patients. There was creation of selfie point at the hospital OPD and various places around institute like D mart, Forum mall and Konankunte metro station, Doddakalasandra and others. There were posting of short video messages recorded by Ayush Distinguished Scientist chair on social media. Testimonials of patients were also collected and posted. There was display of "I Support Ayurveda" Campaign in CARI campus to support Ayurveda.

Several competitions were organized during the programme like plant identification with pick and speak competition, rangoli competition, collage competition, treasure hunt, Ayurveda Food Festival Competition, and various competitions for school children, and many others. Run for Ayurveda was also organised on to all the staff of CARI, Bengaluru and RARIM&MMR, Bengaluru on 28.10.2024. The celebration of National Ayurveda Day and the Launch of Centre of Excellence in Ayurveda for Diabetes and Metabolic Disorders at the Indian Institute of Science, Bengaluru sponsored by Ministry of Ayush was done by the honourable prime minister Shri Narendra Modi on 30.10.2024. The Centre of Excellence in Ayurveda for Diabetes and Metabolic Disorders at IISc is led by Dr. Navakanta Bhat alongwith Dr. Sona Rajakumari. Additional investigators of this CoE from collaborating institutes in Bengaluru include Dr Sulochana Bhat, Head, Central Ayurveda Research Institute (CARI); Dr S Srikanta, Director, Samatvam: Science and Research for Human Welfare Trust; and Dr K S Nagabhushana, Prayoga Institute of Education Research. All the staff were present during the event.

The valedictory function of Ayurveda Day was conducted with concluding remarks by Dr. Sulochana Bhat, AD, Incharge, Central Ayurveda Research Institute, Bengaluru. The prize was distributed by the guest and Incharge of the Institute. Mr. Hemanth, PSI, Thalagattapura Police Station, Bengaluru 30.10.2024

13.13 Constitution Day 2024

Constitution Day of India was celebrated on 26.11.2024 at CARI, Bengaluru. All the staff has taken pledge in connection with the occasion.

13.14 Ayush Medical Coding and Records Day

CARI, Bengaluru observed Ayush Medical Coding and Records Day on 10.01.2025. Dr. Sulochana Bhat, Assistant-Director Incharge, addressed the staff of CARI, RARIM & MMR, Bengaluru and the patients, regarding Ayush Medical Coding and Records Day.

13.15 100 days intensified campaign on TB elimination

CARI, Bengaluru is observing and conducting 100 days intensified campaign on TB elimination. On 28.01.2025, all the staff of CARI & RARIM&MMR, Bengaluru gathered in the seminar hall, taken a pledge for Tuberculosis elimination, attended an awareness lecture on “Understanding Tuberculosis for effective patient care” delivered by Dr. Anchan Vidyashree, RO(Pathology), CARI, Bengaluru.

13.16 Institutional Ethical Committee (IEC) meeting

1. IEC meeting was held on 6.7.24 for the approval of project of THCRP, SCSP and EMRS programme of the Institute for ethical approval of following Research Project:
 - a. Effectiveness of Ayurveda-Based lifestyle Advocacies and Practices on Quality of Life among Children of Ekalavya Model Residential Schools in India
 - b. General health screening with special focus on selected disease conditions (Tuberculosis, Anemia, Sickle Cell Disease & Malnutrition) and Ayurveda management of Anemia & Malnutrition in students of Ekalavya Model Residential Schools (EMRS)
 - c. Assessment of acceptability of the comprehensive Ayurveda-based health care approach in the tribal community and effectiveness of individualized health care - Cluster randomized study
 - d. Acceptability of the comprehensive Ayurveda-based health care approach in the community and effectiveness of individualized health care - Cluster randomized study
2. IEC meeting in hybrid mode on 8.1.2024 between 2pm to 4pm for ethical approval of following Research Projects
 - a. Management of Autism Spectrum Disorder in children through a comprehensive Ayurveda approach as an add-on to conventional therapy– A randomized control clinical trial
 - b. A comparative study to evaluate the efficacy and safety of Ayurvedic intervention in Insomnia disorder among the elderly – A prospective randomized open label study
 - c. Evaluation of Triphala Adjuvant Therapy for Sustained Weight Loss in Overweight and Obese Adults: A Randomized, Double-blind, Parallel-group, Placebo-Controlled Clinical Trial.
 - d. Documentation of Prescription Trends in Osteoarthritis by Ayurveda Physicians –A Retrospective Analysis

केन्द्रीय आयुर्वेद अनुसंधान संस्थान, बेंगलूरु
(केन्द्रीय आयुर्वेदीय विज्ञान अनुसंधान परिषद्, आयुष मंत्रालय, भारत सरकार)

वार्षिक रिपोर्ट 2024-25 का सारांश

केन्द्रीय आयुर्वेद अनुसंधान संस्थान (CARI), बेंगलूरु, केन्द्रीय आयुर्वेदिक विज्ञान अनुसंधान परिषद् (CCRAS), आयुष मंत्रालय, भारत सरकार के अंतर्गत आता है, जो वर्ष 1971 से बेंगलूरु में कार्यरत है। वर्ष 2019 में राज्य सरकार के भवन से अपने स्वयं के परिसर में स्थानांतरित हुआ CARI, NABH प्रमाणित अस्पताल और NABL मान्यता प्राप्त प्रयोगशाला के माध्यम से नैदानिक सेवाएं प्रदान कर रहा है। संस्थान रोगियों को बाह्य रोगी, आंतरिक रोगी, आउटरीच स्तर पर और टेली-मेडिसिन के माध्यम से स्वास्थ्य देखभाल प्रदान करता है। अस्पताल में सुविधाओं में निवारक, उपचारात्मक, पुनर्वास चिकित्सा देखभाल, मुफ्त आयुर्वेद दवाओं का वितरण, पंचकर्म, शल्य और मर्म चिकित्सा, शालाक्य (नेत्र और ईएनटी), योग, नशामुक्ति और मनसा रोग, प्रयोगशाला जांच (नियमित रोग संबंधी और जैव रासायनिक), अल्ट्रासोनोग्राफी (यूएसजी), कलर डॉपलर अध्ययन, एक्स-रे, इकोकार्डियोग्राफी (ईसीजी) आदि शामिल हैं। मरीजों के परिवहन के लिए एक इलेक्ट्रिकल बग्गी (केएनआर फाउंडेशन, बेंगलूरु द्वारा दान की गई) और एक एम्बुलेंस (सेंटर ऑफ़ एक्सीलेंस योजना के तहत खरीदी गई) उपलब्ध हैं।

प्रशासनिक ब्लॉक में कार्यालय, वीडियो कॉन्फ्रेंसिंग सेटअप के साथ बैठक कक्ष, संगोष्ठी कक्ष, संग्रहालय, खाद्य प्रयोगशाला, पुस्तकालय, भंडार, माइक्रोबायोलॉजी, फार्माकोग्रांसी, रसायन विज्ञान और वनस्पति विज्ञान अनुभाग सम्मिलित हैं। संस्थान शुरू से ही आवंटित कार्यक्रमों के अनुसार लक्ष्यों को प्राप्त करने में सक्रिय रूप से कार्यरत है। वैज्ञानिकों ने आयुर्वेद की वैज्ञानिक मान्यता के केंद्रीत उद्देश्य के साथ विभिन्न विषयों से काम कर रहा है।

वर्तमान में, भारतीय विज्ञान संस्थान (IISc), बेंगलूरु जैसे प्रतिष्ठित संगठनों के साथ लगभग 23 सक्रिय समझौता ज्ञापन हैं; NIMHANS बेंगलूरु; बेंगलूरु मेडिकल कॉलेज; ICMR - राष्ट्रीय पारंपरिक चिकित्सा संस्थान बेलगावी; CSIR-केन्द्रीय खाद्य प्रौद्योगिकी अनुसंधान संस्थान (CFTRI) मैसूर; ICAR-भारतीय बागवानी अनुसंधान संस्थान बेंगलूरु; कृषि विज्ञान विश्वविद्यालय, GKVK बेंगलूरु; जवाहरलाल नेहरू मेडिकल कॉलेज बेलगावी; TDU बेंगलूरु; समत्वम एंडोक्रिनोलॉजी सेंटर; प्रयोग बेंगलूरु; केएलई बेलगावी; राज्य आयुष विभाग, कर्नाटक, इंटरएक्टिव रिसर्च स्कूल फॉर हेल्थ अफेयर्स (IRSHA), पुणे; सेंटर फॉर इनक्यूबेशन, इनोवेशन, रिसर्च एंड कंसल्टेंसी (CIIRC), बेंगलूरु; सरकारी आयुर्वेद अनुसंधान केंद्र (GARC) मैसूर; नागपुर पशु चिकित्सा कॉलेज, नागपुर; दत्ता मेघे उच्च शिक्षा एवं अनुसंधान संस्थान (डीएमआईएचईआर), वर्धा दयानंद सागर प्रौद्योगिकी एवं प्रबंधन अकादमी (डीएसटीएम), बेंगलूरु। सीएआरआई बेंगलूरु हाल के समय में आईसीएमआर नई दिल्ली से वित्तपोषित एक नैदानिक परियोजना प्राप्त करने वाला पहला सीसीआरएस संस्थान है जिसे आईसीएमआर-एनआईटीएम बेलगावी (मोटापे में त्रिफला) के सहयोग से सहयोग प्राप्त हुआ है।

CARI, बेंगलूरु वर्ष 2021 से कॉर्पोरेट फंडिंग जुटाने वाला पहला CCRAS संस्थान है। परोपकारी संगठनों द्वारा स्मार्ट टीवी, लैपटॉप, कंप्यूटर, बग्गी आदि जैसे कई उपयोगी उपकरण/उपकरण प्रदान किए गए। चालू वर्ष के दौरान, ICICI फाउंडेशन द्वारा 9 लाख रुपये की एक एक्स-रे मशीन दान की गई।

स्थापना के बाद से, संस्थान में 490 वैज्ञानिक लेखों का प्रकाशन किया गया है, 10 मोनोग्राफ का प्रकाशन, 8 पुस्तकों की समीक्षा, संगोष्ठी/कार्यशालाओं में 1423 प्रस्तुतियां और सम्बंधित कार्यक्रमों में सहभागी हैं, इसके अलावा 3 स्वर्ण पदक, 4 सर्वश्रेष्ठ शोध पत्र और दो सर्वश्रेष्ठ प्रकाशनों के लिए भी संस्थान को प्रोत्साहन प्राप्त हुआ

है। समीक्षाधीन अवधि के दौरान, संस्थान के वैज्ञानिकों द्वारा राष्ट्रीय और अंतर्राष्ट्रीय पत्रिकाओं में 15 शोध पत्रों का प्रकाशन हुआ है और 23 प्रकाशन हेतु प्रक्रियाधीन हैं। चार प्रकाशन पबमेड/स्कोपस/वेब ऑफ साइंस अनुक्रमित पत्रिकाओं में हैं। पिछले तीन वित्तीय वर्षों में प्रकाशित पत्रों के लिए संस्थान को 391 प्रशस्ति पत्र प्राप्त हुए हैं। अधिकारियों ने 108 संगोष्ठी, वेबिनार, सम्मेलनों, बैठकों तथा प्रशिक्षण कार्यक्रमों में भाग लिया है। संस्थान में स्थित संदर्भ पुस्तकालय में बिक्री के लिए 2073 पुस्तकें, महत्वपूर्ण वैज्ञानिक पत्र-पत्रिकाओं और सीसीआरएस प्रकाशनों का संग्रह उपलब्ध हैं।

वर्तमान में संस्थान (सीएआरआई) बेंगलुरु में कुल 64 स्वीकृत पद है, जिसमें 24 स्थायी कर्मचारी कार्यरत हैं। इस वित्तीय वर्ष में संस्थान को 12.48 करोड़ रुपये का बजट आवंटन प्राप्त हुआ है। संस्थान के प्रमुख सहित 13 स्थायी वैज्ञानिक, 21 संविदा शोधकर्ता और कुल 106 कर्मचारी हैं। संस्थान में कुल 5 वैज्ञानिक और 18 अनुबंधित अनुसंधान कर्मचारी, युवा महिला वैज्ञानिक और शोधकर्ता हैं। संस्थान द्वारा एक महिला/युवा वैज्ञानिक को आगे के प्रशिक्षण के लिए सहायता प्रदान की गई है।

संस्थान को सीसीआरएस मुख्यालय से 12.48 करोड़ रुपये प्राप्त हुए, जिनमें से 4.66 करोड़ रुपये अनुसंधान एवं विकास (आईएमआर/ईएमआर/सहयोगी परियोजनाएं/आउटरीच) गतिविधियों पर खर्च किए गए। संस्थान को मधुमेह के लिए उत्कृष्टता केंद्र (सीआई) के लिए आयुष मंत्रालय से 1.01 करोड़ रुपये मिले। संस्थान ने समीक्षाधीन वर्ष में 42,53,336 रुपये (बयालीस लाख तिरपन हजार तीन सौ छत्तीस रुपये मात्र) का राजस्व अर्जित किया। चिकित्सीय अनुसंधान अनुभाग ने ओपीडी पंजीकरण, आईपीडी प्रवेश शुल्क, पंचकर्म प्रक्रियाओं, माइनर ओटी, एक्स-रे, ईसीजी, यूएसजी सहित प्रयोगशाला परीक्षण से 39,26,973 रुपये (केवल उनतीस लाख छब्बीस हजार नौ सौ तिहत्तर रुपये) अर्जित किए हैं। औषधीय पौधों के सर्वेक्षण इकाई ने कच्चे औषधि प्रमाणीकरण और औषधीय पौधों की बिक्री के माध्यम से 1,82,000 रुपये (केवल एक लाख बयासी हजार रुपये) अर्जित किए हैं। डीएसआरयू ने 29,800 रुपये (उनतीस हजार आठ सौ रुपये मात्र) का राजस्व अर्जित किया। पुस्तकों, सीसीआरएस प्रकाशनों और अन्य लेखों आदि की बिक्री जैसे अन्य माध्यमों से 41,491 रुपये (इकतालीस हजार चार सौ नब्बे रुपये मात्र) अर्जित किए गए। निविदा प्रसंस्करण शुल्क से 13,000 रुपये (तेरह हजार रुपये मात्र) का राजस्व अर्जित किया गया। बैंक से अर्जित ब्याज से 60,072 रुपये (उनसठ हजार बहत्तर रुपये मात्र) का राजस्व अर्जित किया गया। 14.94 लाख रुपये अप्रयुक्त रह गए और उन्हें वापस कर दिया गया।

एक स्थिर द्विभाषी वेबसाइट www.cari.gov.in पूरी तरह कार्यात्मक है, जिस पर समीक्षाधीन अवधि के दौरान कुल 1,86,683 इंप्रेेशन किए गए तथा 2,39,689 लोगों को ई-हेल्थकेयर के अंतर्गत कवर किया गया। वेबसाइट भारत सरकार द्वारा निर्धारित सभी सुरक्षा प्रोटोकॉल का पालन करती है। स्वास्थ्य के विभिन्न पहलुओं के बारे में जागरूकता पैदा करने और सीएआरआई/सीसीआरएस/आयुष मंत्रालय की विभिन्न गतिविधियों और उपलब्धियों का प्रसार करने के लिए संस्थान के यूट्यूब चैनल भी है।

इस समीक्षाधीन वर्ष में, संस्थान ने 28 बिस्तरों वाले बाह्य रोगी विभाग (IPD), अल्ट्रासोनोग्राफी (USG), एक्स-रे (आईसीआईसीआई फाउंडेशन द्वारा दान) और इकोकार्डियोग्राफी (ECG) जैसी विभिन्न नई सुविधाओं को शुरू करके संस्थान अपग्रेड हुआ।

माननीय प्रधानमंत्री श्री नरेन्द्र मोदी जी ने दिनांक 29 अक्टूबर 2024 को 9वें राष्ट्रीय आयुर्वेद दिवस के अवसर पर के.आ.अ.सं., बेंगलुरु के सहयोग से भारतीय विज्ञान संस्थान (IISc), बेंगलुरु में आयुष मंत्रालय, भारत सरकार द्वारा प्रायोजित मधुमेह और चयापचय विकारों के लिए आयुर्वेद में उत्कृष्टता केंद्र (CoE) का डिजिटल रूप से शुभारंभ किए।

के.आ.अ.सं., बेंगलुरु को दत्ता मेघा उच्च शिक्षा एवं अनुसंधान संस्थान (DMIHER), सावंगी, वर्धा, महाराष्ट्र द्वारा पीएचडी केंद्र तथा दयानंद सागर प्रौद्योगिकी एवं प्रबंधन अकाडमी (DSATM), बेंगलुरु द्वारा पोस्ट-डॉक्टरल अनुसंधान केंद्र के रूप में मान्यता दी गई है। कुल 3 पीएचडी छात्र दत्ता मेघा उच्च शिक्षा एवं अनुसंधान संस्थान (DMIHER), सावंगी, वर्धा, के सहयोग से संस्थान द्वारा मार्गदर्शन प्राप्त कर रहे हैं। एक पोस्ट डॉक्टरल फेलोशिप भी संस्थान के मार्गदर्शन में हैं।

समीक्षाधीन अवधि के दौरान, आयुष अस्पताल के रूप में संस्थान के प्रमाणन को उन्नत और नवीनीकृत करने के लिए नेशनल बोर्ड ऑफ हॉस्पिटल्स एंड हेल्थकेयर प्रोवाइडर्स (NABH) द्वारा निरीक्षण किया गया। एनएबीएच ने आयुष अस्पताल के रूप में आईएलसी प्रमाणन कार्यक्रम के तहत प्रमाणन के नवीनीकरण को दिनांक 4 जनवरी, 2027 तक मंजूरी दे दी है। संस्थान की चिकित्सीय प्रयोगशाला के अनुपालन की निगरानी के लिए राष्ट्रीय परीक्षण एवं अंशांकन प्रयोगशाला प्रत्यायन बोर्ड (एनएबीएल) द्वारा निगरानी निरीक्षण हुआ। संस्थान के कैंटीन विक्रेता के नाम पर भारतीय खाद्य सुरक्षा एवं मानक प्राधिकरण (FSSAI) का प्रमाणन प्राप्त हुआ।

आयुष मंत्रालय की 100 दिन की उपलब्धि के बारे में जानकारी प्रसारित करने के लिए बेंगलुरु प्रेस क्लब में प्रेस मीट सहित कई गतिविधियाँ आयोजित की गईं। के.आ.अ.सं., बेंगलुरु के सभी अधिकारियों ने आयुष मंत्रालय, सीसीआरएएस और के.आ.अ.सं., बेंगलुरु की गतिविधियों के बारे में मीडिया को संबोधित किया। दूरदर्शन सहित राष्ट्रीय प्रिंट और डिजिटल मीडिया द्वारा इस कार्यक्रम का व्यापक कवरेज किया गया।

दिनांक 21 मार्च 2025 को जयपुर में आयोजित अवलोकन के दौरान के.आ.अ.सं., बेंगलुरु की पांडुलिपि परियोजना से सिद्ध नागार्जुनीयम और रस शास्त्र एवं रस ग्रंथ नामक दो प्रकाशनों का विमोचन किया गया। इस अवसर पर के.आ.अ.सं., बेंगलुरु की प्रभारी डॉ. सुलोचना भट्ट, मुख्य लेखिका के साथ सीसीआरएएस प्रकाशन नीति का भी विमोचन किया गया। संस्थान ने मधुमेह, मोटापा, डिस्लिपिडेमिया और गाउट सहित विभिन्न चयापचय विकारों के लिए मानक उपचार दिशा-निर्देश (एसटीजी) का मसौदा तैयार करने के लिए सामग्री प्रदान की है। संस्थान ने सीसीआरएएस द्वारा प्रस्तावित शोध पद्धति की पुस्तक के लिए बौद्धिक संपदा अधिकारों पर एक अध्याय भी तैयार किया है।

संस्थान को आयुष मंत्रालय, भारत सरकार से आयुष संस्थान योजना के माध्यम से स्टार्टअप इनक्यूबेशन के तहत आयुर्वेद विज्ञान इनक्यूबेशन केंद्र (एएसआईसी) नामक एक इनक्यूबेशन केंद्र स्थापित करने की मंजूरी मिल गई है, ताकि आयुर्वेद के क्षेत्र में नवीन उत्पाद या सेवा व्यवसाय विचार वाले 20 स्टार्टअप को समर्थन दिया जा सके।

क्षेत्रीय कार्यान्वयन कार्यालय (राजभाषा), दक्षिण क्षेत्र, बेंगलुरु ने दिनांक 26.03.2025 को सरकारी कामकाज में राजभाषा के प्रावधान के कार्यान्वयन की निगरानी के लिए कार्यालय का निरीक्षण किया। सीसीआरएएस मुख्यालय के हिंदी अनुभाग द्वारा संस्थान का ई-निरीक्षण दिनांक 10.02.2025 को आयोजित किया गया। दोनों प्राधिकारियों ने संस्थान के कार्यों की सराहना की।

संस्थान ने विभिन्न राष्ट्रीय स्तर की कार्यशालाएं और प्रशिक्षण कार्यक्रम आयोजित किए हैं- जैसे फार्माकोविजिलेंस पर सम्मेलन, 07 आयुष कॉलेजों में फार्माकोविजिलेंस जागरूकता कार्यक्रम, अच्छे चिकित्सीय अभ्यास और सार्वजनिक स्वास्थ्य अनुसंधान कार्यक्रम के लिए अन्वेषकों और परियोजना कर्मियों का प्रशिक्षण, प्रकाशन सप्ताह, कॉलेज के छात्रों के बारह बैचों को अनुसंधान पद्धति और मधुमेह प्रबंधन प्रशिक्षण, इसके अलावा संस्थान द्वारा राजभाषा हिंदी पर चार कार्यशालाएं भी आयोजित की गईं। संस्थान से कुल 5 वैज्ञानिकों और 5 परियोजना कर्मचारियों को कर्नाटक के विभिन्न संस्थानों में प्रशिक्षण प्रदान करने के लिए नियुक्त किया गया। संस्थान द्वारा 4 कार्यशालाओं, 10 क्षमता निर्माण कार्यक्रमों, 1 सतत चिकित्सा शिक्षा (सीएमई) सहित कुल 15

कौशल विकास कार्यक्रम आयोजित किए गए। संस्थान द्वारा आयोजित कौशल विकास प्रशिक्षण में कुल 490 लाभार्थियों ने भाग लिया। संस्थान बीएएमएस और एमबीबीएस प्रशिक्षुओं को प्रशिक्षण भी प्रदान कर रहा है।

क्षय रोग (TB) उन्मूलन के लिए दिसंबर 2024 से मार्च 2025 तक 100 दिवसीय अभियान आयोजित किया गया। संस्थान ने कर्नाटक सरकार के सहयोग से बेंगलुरु के सोमनहल्ली में स्थित आयुष्मान मंदिर में सात निःशुल्क चिकित्सा शिविर और वृद्धावस्था स्वास्थ्य शिविर भी आयोजित किया।

के.आ.अ.सं., बेंगलुरु ने विश्व पर्यावरण दिवस, अंतर्राष्ट्रीय योग दिवस, रक्तदान दिवस, अंग दान दिवस, संविधान दिवस, जनजातीय गौरव दिवस, विश्व सिकल सेल एनीमिया जागरूकता दिवस, रोगी अधिकार दिवस, विश्व रोगी सुरक्षा, आयुर्वेद दिवस, हिंदी पखवाड़ा, हिंदी दिवस, राष्ट्रीय आयुष कार्यक्रम जैसे पोषण माह, स्वच्छता अभियान, सतर्कता जागरूकता सप्ताह आदि का भी आयोजन किया।

स्वच्छता ही सेवा 2024 अभियान के तहत, संस्थान ने सुरक्षित और पर्यावरण अनुकूल निपटान सुनिश्चित करने के लिए स्वच्छता, ठोस अपशिष्ट प्रबंधन और जैव चिकित्सा अपशिष्ट प्रबंधन पर जागरूकता कार्यक्रम सहित विभिन्न गतिविधियों का आयोजन किया। संस्थान के सभी कर्मचारियों द्वारा स्वच्छता की शपथ ली गई।

संस्थान ने राष्ट्रीय भारतीय चिकित्सा पद्धति आयोग (NCISM), आयुष मंत्रालय, भारत सरकार, और वैज्ञानिक एवं औद्योगिक अनुसंधान परिषद (CSIR), जीनोमिक्स एवं इंटीग्रेटिव बायोलॉजी संस्थान (IGIB) के सहयोग से 600 स्वयंसेवकों को नामांकित करके 'देश का प्रकृति परीक्षण अभियान' में सक्रिय रूप से भाग लिया। के.आ.अ.सं., बेंगलुरु ने कर्नाटक के विभिन्न आयुर्वेदिक कॉलेजों जैसे- श्री बीएमके आयुर्वेद महाविद्यालय, केएलई, बेलगावी; राजीव गांधी एजुकेशन सोसाइटी आयुर्वेदिक मेडिकल कॉलेज और अस्पताल (RGESAMCH), रोण; श्री श्री कॉलेज ऑफ आयुर्वेदिक साइंस एंड रिसर्च, बेंगलुरु; श्री जगद्गुरु गविसिद्धेश्वर आयुर्वेदिक मेडिकल कॉलेज, कोप्पल; जेएसएस आयुर्वेदिक मेडिकल कॉलेज एवं अस्पताल, मैसूर; एसडीएम आयुर्वेद कॉलेज, उडुपी; एसडीएम इंस्टीट्यूट ऑफ आयुर्वेद एंड हॉस्पिटल, बेंगलुरु के संकाय सदस्यों को सीसीआरएस आयुष प्रकृति वेब पोर्टल के माध्यम से प्रकृति प्रशिक्षण प्रदान किया।

के.आ.अ.सं., बेंगलुरु ने ओपीडी रोगियों को स्वास्थ्य सलाह सामग्री के साथ-साथ संशमन वटी, अश्वगंधा घन वटी जैसी आयुर्वेदिक रोगनिरोधी दवाइयाँ वितरित कीं। आयुर्वेद को बढ़ावा देने और के.आ.अ.सं., बेंगलुरु, सीसीआरएस, आयुष मंत्रालय को लोकप्रिय बनाने के लिए कर्नाटक के आयुर्वेद कॉलेजों में इन दवाओं का निःशुल्क वितरण भी किया गया।

वर्तमान में, संस्थान एनएबीएच प्रमाणित अस्पताल और एनएबीएल मान्यता प्राप्त प्रयोगशाला के माध्यम से नैदानिक सेवाएँ प्रदान कर रहा है। संस्थान निःशुल्क दवाइयों के वितरण के साथ बाह्य रोगी और आंतरिक रोगी दोनों स्तरों पर रोगियों को प्राथमिक स्वास्थ्य देखभाल प्रदान करता है। सुविधाओं में निवारक और उपचारात्मक चिकित्सा देखभाल, प्रयोगशाला परीक्षण (नियमित रोगविज्ञान और जैव रासायनिक), पंचकर्म उपचार, शल्य चिकित्सा और मर्म चिकित्सा, शालाक्य (नेत्र और ईएनटी), योग, नशा मुक्ति और मानस रोग, यूएसजी, कलर डॉपलर अध्ययन, एक्स-रे, ईसीजी आदि सम्मिलित हैं।

संस्थान की स्थापना के बाद से, आज तक चिकित्सकीय अनुसंधान अनुभाग (CRU) ने 4,85,366 रोगियों की सेवा की है। उक्त समीक्षाधीन अवधि के दौरान 45,093 रोगियों (के.आ.अ.सं., कनकपुर रोड कैम्पस में 41,320, चिकित्सीय अनुभाग, बलेपेट में 3,129 तथा 644 एन.ए.एल., ओपीडी में) को लाभ मिला है। रिपोर्टिंग अवधि के दौरान, प्रतिदिन औसतन 150 मरीज़ आए। विशेष चिकित्सा सेवाओं के तहत 12,260 वृद्ध रोगियों, 467 फ्लू जैसी बीमारी, 348 शल्य और 3,111 शालाक्य वाले रोगियों का इलाज किया गया। कुल 21,687 पंचकर्म

प्रक्रियाएं की गईं, जिनमें 10,070 पुरुष और 11,617 महिलाएं शामिल थीं। कुल 229 अनुशस्त्र कर्म प्रक्रियाएं (144 पुरुष रोगी पर 85 स्त्री रोगी) की गयीं। कुल 1,22,084 नैदानिक प्रयोगशाला जांच की गईं। इस समीक्षाधीन अवधि के दौरान आईपीडी में कुल 630 रोगी (पुरुष-301 और महिला-329) भर्ती हुए तथा आईपीडी में भर्ती हुए रोगियों का वार्षिक बिस्तर उपयोग का प्रतिशत 84.38% रहा।

शुरुआत से ही कुपोषण (कुपोषण), अर्श (बवासीर), मनोद्विगा (चिंता न्युरोसिस), तमाकाश्वस (ब्रोंकियल अस्थमा), व्यानबल वैशम्य (उच्च रक्तचाप), पांडु (लौह की कमी से होने वाला एनीमिया) पर नैदानिक अनुसंधान परियोजनाएं पूरी हो चुकी हैं। इसके अलावा, वेक्टर जनित रोगों, फ्लू जैसी बीमारियों की रोकथाम और उपचार के दावों के बारे में जानकारी एकत्र करने और आयुर्वेदिक दवाओं पर फार्माकोविजिलेंस अध्ययन पूरा हो चुका है। रसायन (बुढ़ापे में अश्वगंधावलेह्य और ब्रह्म रसायन), कष्टार्तव (डिसमेनोरिया), स्थूल्य (मोटापा), घुटने का ऑस्टियोआर्थराइटिस, च्यवनप्राश का रसायन प्रभाव, ऑस्टियोपोरोसिस, ब्रोंकियल अस्थमा, गृध्रसी, रसौषधि, मधुमेह मेलिटस पर केएपी अध्ययन, डायबिटीज पूर्व में तथा टाइप 2 मधुमेह में आयुष-डी, डेंगू, स्तन कैंसर, मेदोरोग (मोटापा), नॉन अल्कोहलिक फैटी लिवर रोग (एनएफएलडी), स्वास्थ्य देखभाल चाहने का व्यवहार, आयुर्वेद आधारित सामुदायिक स्वास्थ्य देखभाल दृष्टिकोण, सबक्लिनिकल हाइपोथायरायडिज्म पर इंटरन्यूरल क्लिनिकल रिसर्च प्रोजेक्ट्स (आईएमसीआरपी) पूरे हो चुके हैं।

मधुमेह के लिए उत्कृष्टता केंद्र (सीओई) के तहत कुल सात परियोजनाएं पूरी की गईं, जैसे- टाइप-2 मधुमेह (डायबिटीस मेलिटस) में चार चयनित शास्त्रीय आयुर्वेदिक पॉली-हर्बल फॉर्मूलेशन की मधुमेह विरोधी प्रभावकारिता का मूल्यांकन – एक यादृच्छिक पायलट अध्ययन; प्री-डायबिटीज में आयुर्वेद पॉली-हर्बल फॉर्मूलेशन, 'कफजप्रमेहारा योग' की मधुमेह विरोधी प्रभावकारिता का नैदानिक मूल्यांकन - एक पायलट अध्ययन; मधुमेह में सीरम ग्लूकोज के स्तर को कम करने में योग कैप्सूल की भूमिका का मूल्यांकन करने के लिए एक पायलट अध्ययन; मधुमेह (मधुमेह) से संबंधित ज्ञान, दृष्टिकोण और अभ्यास का एक क्रॉस-सेक्शनल अध्ययन; मधुमेह (मधुमेह) से संबंधित ज्ञान, दृष्टिकोण और अभ्यास; मशीन लर्निंग तकनीकों का उपयोग करके मधुमेह के जोखिम के निदान के लिए भविष्य कहनेवाला प्रणाली का विकास; विस्तार चूहों में स्ट्रेप्टोजोटोसिन प्रेरित मधुमेह की कम खुराक के साथ उच्च वसा वाले आहार में चार मधुमेह विरोधी फॉर्मूलेशन का प्रीक्लिनिकल अध्ययन।

समीक्षाधीन अवधि के दौरान, चिकित्सीय अनुसंधान अनुभाग (सीआरयू) ने आठ सहयोगी अनुसंधान परियोजनाएं पूरी की हैं, जैसे - हल्के से मध्यम अल्कोहल रहित फैटी लिवर रोग (एनएफएलडी) के विषयों में आयुष-जीएमएच का मूल्यांकन - एक डबल-ब्लाइंड रैंडमाइज्ड कंट्रोल क्लिनिकल अध्ययन; डीजीएफएमएस अस्पतालों की आयुर्वेद स्वास्थ्य सुविधाओं में जाने वाले रोगियों की रुग्णता और स्वास्थ्य देखभाल चाहने का व्यवहार: एक बहुकेंद्रीय क्रॉस-सेक्शनल सर्वेक्षण अध्ययन, डबल-ब्लाइंड रैंडमाइज्ड कंट्रोल क्लिनिकल अध्ययन; मेदोरोग (मोटापा) के प्रबंधन में लेखनीय घन कषाय और आरोग्यवर्धिनी गुटिका का नैदानिक मूल्यांकन; सबक्लिनिकल हाइपोथायरायडिज्म में त्रिकटु के प्रभाव का मूल्यांकन करने के लिए एक यादृच्छिक, प्लेसबो-नियंत्रित, डबल-ब्लाइंड क्लिनिकल परीक्षण; जनजातीय समुदाय में व्यापक आयुर्वेद-आधारित स्वास्थ्य देखभाल दृष्टिकोण की स्वीकार्यता और व्यक्तिगत स्वास्थ्य देखभाल की प्रभावशीलता का आकलन – टीएचसीआरपी 2024-25 के अंतर्गत क्लस्टर यादृच्छिक अध्ययन; समुदाय में व्यापक आयुर्वेद-आधारित स्वास्थ्य देखभाल दृष्टिकोण की स्वीकार्यता और व्यक्तिगत स्वास्थ्य देखभाल की प्रभावशीलता – एससीएसपी 2024-25 के तहत क्लस्टर यादृच्छिक अध्ययन। इन आठ परियोजनाओं में से केवल एक परियोजना के लिए विस्तार मांगा गया था। संस्थान द्वारा कुल 2 परियोजना रिपोर्ट तैयार की गईं और प्रस्तुत की गईं।

डिस्ट्रिपिडेमिया में आयुर्वेद फॉर्मूलेशन 'त्रिकटु' की प्रभावकारिता और सुरक्षा - एक संभावित, यादृच्छिक डबल ब्लाइंड प्लेसीबो नियंत्रित परीक्षण; मधुमेह रेटिनोपैथी के साथ प्रकृति के संबंध का पता लगाने के लिए एक

क्रॉस-सेक्शनल सर्वेक्षण; पारंपरिक चिकित्सा के अतिरिक्त एक व्यापक आयुर्वेद दृष्टिकोण के माध्यम से बच्चों में ऑटिज्म स्पेक्ट्रम विकार का प्रबंधन- एक यादृच्छिक नियंत्रण नैदानिक परीक्षण; आयुर्वेद चिकित्सकों द्वारा ऑस्टियोआर्थराइटिस में प्रेस्क्रिप्शनके रुझान का दस्तावेजीकरण- एक पूर्वव्यापी विश्लेषण; दक्षिण भारत (कर्नाटक, केरल, तमिलनाडु, आंध्र प्रदेश, तेलंगाना) के बाजारों में प्रतिस्थापन और मिलावट के लिए पौधों की कच्ची दवाओं का अध्ययन और दस्तावेजीकरण; कर्नाटक राज्य के पश्चिमी घाट के दक्षिणी भाग के विभिन्न बाजारों में उपलब्ध जंगली खाद्य और औषधीय पौधों का दस्तावेजीकरण; आयुर्वेद को बदलने के लिए सराहनीय व्यक्तित्वों के जीवन प्रोफाइल का दस्तावेजीकरण; आयुर्वेद में परिवर्तन लाने के लिए सराहनीय व्यक्तित्वों के जीवन प्रोफाइल का दस्तावेजीकरण-2024 (एपीटीए) संस्थान में चल रही सात इंटर म्यूरल रिसर्च (आईएमआर) परियोजनाएं हैं।

मधुमेह हेतु उत्कृष्टता केंद्र (सीओई) के तहत कुल चार परियोजनाएं चल रही हैं- स्वस्थ स्वयंसेवकों में वरादी और मुस्तादी घन वटी की जैव-उपलब्धता का मूल्यांकन-एक क्रॉस-ओवर यादृच्छिक नैदानिक परीक्षण; टाइप -2 के बीच मधुमेह परिधीय न्यूरोपैथी की घटना और प्रकृति के साथ इसका संबंध; टाइप-2 मधुमेह के रोगियों में इसके मधुमेह विरोधी गुण के लिए दो तरह के पकाने के लिए तैयार आहार अनुपूरकोका मूल्यांकन- एक यादृच्छिक नियंत्रण परीक्षण; मधुमेह/टाइप-2 मधुमेह में मुस्तादी घन वटी और वरादी घन वटी की सुरक्षा और प्रभावकारिता: एक खुला लेबल यादृच्छिक सक्रिय नियंत्रित (मेटफॉर्मिन) चरण-II अध्ययन।

के.आ.अ.सं., बेंगलुरु कुल तेरह (13) बहुकेंद्रित/सहयोगी नैदानिक अनुसंधान परियोजनाओं (एमसीसीआर) को क्रियान्वित कर रहा है जैसे एटीटी पर क्षय रोग के रोगियों में अतिरिक्त चिकित्सा के रूप में पीटीके की हिपेटोप्रोटेक्टिव गतिविधि का मूल्यांकन; डबल ब्लाइंड रैंडमाइज्ड नियंत्रण नैदानिक अध्ययन; बाल चिकित्सा एडीएचडी (ध्यान अभाव सक्रियता विकार) में एपिजेनेटिक्स, न्यूरो/आंत बायोमार्कर और न्यूरोइमेजिंग की परस्पर क्रिया का पता लगाना तथाइसकेपारंपरिक उपचार के अतिरिक्त आयुर्वेदिक चिकित्सा पद्धति के उपयोग की प्रभावकारिता का मूल्यांकन; पार्किंसंस रोग के अनुकूलित पारंपरिक प्रबंधन के अतिरिक्त आयुर्वेद चिकित्सीय व्यवस्था: नैदानिक, कॉर्टिकल उत्तेजना, न्यूरोइम्यून और स्वायत्त कार्य मापदंडों के आकलन के लिए एक आरसीटी; स्मार्ट कार्यक्रम के तहत सामान्यीकृत चिंता विकार (जीएडी) में आयुष एसआर औषधि द्वारा उपचार, इसके अनुपालन तथा इसकी अनुकूलता का आकलन करने के लिए एक बहु-केंद्रीय अध्ययन; स्वस्थ मनुष्यों में प्रकृति के आणविक हस्ताक्षरों को चित्रित करने के लिए सिस्टम बायोलॉजी दृष्टिकोण; बुजुर्गों में अनिद्रा विकार में आयुर्वेदिक चिकित्सा पद्धति के उपयोग की प्रभावकारिता और सुरक्षा का मूल्यांकन करने के लिए एक तुलनात्मक अध्ययन-एक संभावित यादृच्छिक ओपन-लेबल अध्ययन; एथेरोजेनिक डिस्लिपिडेमिया में मानक देखभाल के सहायक के रूप में अर्जुन [टर्मिनलिया अर्जुन (रॉक्सब.वाइट और आर्न)] की प्रभावकारिता और सुरक्षा- एक यादृच्छिक डबल-ब्लाइंड प्लेसीबो-नियंत्रित अध्ययन; जनजातीय मामलों के मंत्रालय के तहत कार्यरत एकलव्य मॉडल आवासीय विद्यालयों (ईएमआरएस) के छात्रों में बेहतर स्वास्थ्य परिणामों के लिए क्षय रोग, एनीमिया, हीमोग्लोबिनोपैथी और कुपोषण और आयुर्वेदिक चिकित्सापद्धति के उपयोग पर विशेष ध्यान देने के साथ सामान्य स्वास्थ्य जांच; आयुर्वेद व्यंजनों का निर्माण और उत्पाद विकास तथाचयनित उत्पादों का पोषण संबंधी मूल्यांकन; कर्नाटक के पारंपरिक खाद्य व्यंजनों का दस्तावेजीकरण और आयुर्वेद और पोषण संबंधी परिप्रेक्ष्य के साथ उनका सत्यापन; चयनित हर्बल उत्पादों की एंटी-हाइपरग्लाइसेमिक गतिविधि के तंत्र को स्पष्ट करना; चयनित आयुर्वेदिक औषधीय पौधों की क्षेत्र और हाइड्रोपोनिक खेती का तुलनात्मक मूल्यांकन; आयुर्वेद में प्रयुक्त पंचवल्कल के 5 औषधीय पौधों के जैवसक्रिय यौगिकों पर मौसमी बदलाव का अध्ययन।

मधुमेह के लिए उत्कृष्टता केंद्र (सीओई) के तहत - भारतीय विज्ञान संस्थान (आईआईएससी), बेंगलुरु के सहयोग से प्री-डायबिटीज और टाइप 2 मधुमेह में चयनित आयुर्वेदिक फॉर्मूलेशन का एक यादृच्छिक, सक्रिय, तुलनात्मक नियंत्रित नैदानिक परीक्षणके रूप में एक सहयोगी परियोजना जारी है। भारतीय चिकित्सा अनुसंधान परिषद (आईसीएमआर) द्वारा वित्त पोषित एक परियोजना "अधिक वजन और मोटापे में निरंतर वजन घटाने के

लिए आयुर्वेद चिकित्सा पद्धति का एक अतिरिक्त उपयोगके रूप में त्रिफला का मूल्यांकन: एक यादृच्छिक प्लेसबो-नियंत्रित नैदानिक परीक्षण" भी संस्थान में जारी है।

कुल तीन परियोजनाएं स्वीकृत हैं, लेकिन अभी शुरू होनी हैं- जैसे आयुष संस्थान योजना के माध्यम से स्टार्टअप इनक्यूबेशन के तहत आयुर्वेद विज्ञान इनक्यूबेशन सेंटर (एएसआईसी); रुमेटॉइड आर्थराइटिस संस्करण-2.0 (एएमआरए 2.0 अध्ययन) में क्लासिकल आयुर्वेद प्रबंधन बनाम मेथोट्रेक्सेट की प्रभावकारिता का मूल्यांकन करने के लिए एक डबल ब्लाइंड डबल डमी संभावित यादृच्छिक नियंत्रित अध्ययन; टाइप 2 डायबिटीज मेलिटस के प्रबंधन में आयुर्वेद कोडित फॉर्मूलेशन आयुष डी की प्रभावकारिता - एक संभावित बहुकेंद्र यादृच्छिक डबल ब्लाइंड प्लेसीबो नियंत्रित नैदानिक परीक्षण।

परियोजना मूल्यांकन और निगरानी समिति (पीईएमसी) द्वारा कुल पांच परियोजनाओं को मंजूरी दी गई, जिनमें शामिल हैं - मधुमेह पैर अल्सर के संबंध में मधुमेहन्या व्रण में मैगॉट डिब्राइडमेंट थेरेपी की सुरक्षा, प्रभावकारिता, स्वीकार्यता और सहनशीलता: एक यादृच्छिक नियंत्रित पायलट क्लिनिकल परीक्षण; मायोपिया में व्यवहार्यता अध्ययन के साथ तर्पण और पुटपका के अभ्यास, दिशानिर्देश और मानकीकरण को विकसित करने के लिए एक नैदानिक सहमति अध्ययन; भारत भर में पंजीकृत आयुर्वेद चिकित्सकों के बीच नेत्र क्रियाकल्प पर सर्वेक्षण और प्रलेखन; हल्के संज्ञानात्मक हानि (एमसीआई) (स्मृतिभ्रम) के प्रबंधन में एकीकृत आयुर्वेदिक चिकित्सा पद्धति के उपयोग की सुरक्षा और प्रभावकारिता- एक यादृच्छिक नियंत्रित क्लिनिकल परीक्षण; आंध्र प्रदेश और तेलंगाना राज्यों में स्थित नल्लामाला जंगलों का मेडिको एथनो बोटैनिकल सर्वेक्षण।

अन्य दस प्रस्तावित आईएमआर/सहयोगी परियोजनाएं जैसे- कार्यक्षमता और जीवन की गुणवत्ता में सुधार के लिए घुटने के पुराने ऑस्टियोआर्थराइटिस से पीड़ित बुजुर्ग प्रतिभागियों में सामान्य देखभाल के लिए आयुर्वेद चिकित्सा पद्धति के उपयोग की और उपचार की प्रभावकारिता का मूल्यांकन- व्यावहारिक परीक्षण; जेरिएट्रिक अवसाद में अतिरिक्त चिकित्सा के रूप में एकीकृत आयुर्वेद चिकित्सा पद्धति और योग थेरेपीकी सुरक्षा और प्रभावकारिता का मूल्यांकन; मधुमेह से जुड़े अपवर्तक परिवर्तनों के प्रबंधन में आयुर्वेदिक चिकित्सा पद्धति उपयोगके प्रभाव का मूल्यांकन: एक यादृच्छिक डबल ब्लाइंड प्लेसबो नियंत्रित नैदानिक परीक्षण; उम्र बढ़ने पर 'व्ययस्थापना गण' घन वटी की सुरक्षा और प्रभावकारिता का आकलन करने के लिए एक नैदानिक अध्ययन; समसर्जना परियोजना में श्रीधान्य की प्रभावकारिता, अनुकूलता और सहनशीलता का आकलन करने के लिए संभावित नैदानिक परीक्षण; गैर-क्रोनिक टाइप-2 मधुमेह पर आयुष-82 आयुर्वेदिक फॉर्मूलेशन की सुरक्षा और प्रभावकारिता का मूल्यांकन करने के लिए एक यादृच्छिक नैदानिक अध्ययन और इसका जैव-आणविक मूल्यांकन; संवहनी विकारों के लिए एक निवारक उपाय के रूप में डिस्लिपिडेमिया में अर्जुनरिष्ट और नवका गुग्गुल की प्रभावकारिता और सुरक्षा का आकलन करने के लिए एक संभावित यादृच्छिक डबल ब्लाइंड नैदानिक परीक्षण; ऑस्टियोपीनिया/ऑस्टियोपोरोसिस के प्रबंधन में मानक देखभाल के अतिरिक्त गंध तेल और कुक्कुटण्ड त्वक भस्म की प्रभावकारिता का मूल्यांकन करने के लिए यादृच्छिक नियंत्रित परीक्षण (आईसीएमआर को प्रस्तुत); आयुर्वेदिक समग्र दृष्टिकोण के माध्यम से व्यावहारिक और प्रतिरक्षात्मक स्वास्थ्य को बढ़ाने पर 'आचार रसायन' और 'आमलकी रसायन' के प्रभाव पर एक अध्ययन (आईकेएस को प्रस्तुत); आयुर्वेद के चयनित औषधीय पौधों के उपयोगी भागों के लिए गुणवत्ता मानकों का विकास।

औषधीय पौधों के अनुसंधान के अंतर्गत, दो सहयोगी परियोजनाएं, आईसीएमआर-भारतीय बागवानी अनुसंधान संस्थान (आईआईएचआर), हेसरघट्टा, बेंगलुरु के साथ "चयनित आयुर्वेदिक औषधीय पौधों की खेत और हाइड्रोपोनिक खेती का तुलनात्मक मूल्यांकन" और कृषि विज्ञान विश्वविद्यालय, जीकेवीके, बेंगलुरु के साथ "आयुर्वेद में प्रयुक्त पंचवल्कल-05 औषधीय पौधों के जैवसक्रिय यौगिकों पर मौसमी बदलाव का अध्ययन" चल रही है। दो आईएमआर परियोजनाएं अ शीर्षक "दक्षिण भारत (कर्नाटक, केरल, तमिलनाडु, आंध्र प्रदेश और

तेलंगाना) के बाजारों में प्रतिस्थापन और मिलावट के लिए पौधों की कच्ची दवाओं का अध्ययन और दस्तावेजीकरण" और कर्नाटक राज्य में पश्चिमी घाट के दक्षिणी भाग के विभिन्न बाजारों में जंगली खाद्य और औषधीय पौधों का दस्तावेजीकरण" रिपोर्टिंग अवधि के दौरान शुरू किया गया था। मार्च 2025 में "आंध्र प्रदेश और तेलंगाना में स्थित नल्लामाला जंगलों के मेडिको एथनो बोटैनिकल सर्वेक्षण" पर एक आईएमआर परियोजना के लिए मंजूरी मिली। रिपोर्टिंग वर्ष के दौरान लगभग 608.1 किलोग्राम ताजे कच्चे नमूने एकत्र किए गए हैं और सुखाने के बाद लगभग 339.05 किलोग्राम सामग्री सीसीआरएस के विभिन्न आईएमआर/सहयोगी अनुसंधान परियोजनाओं को आपूर्ति की गई है। कुल 783 वनस्पति नमूनों की पहचान की गई है और शैक्षणिक/शोध छात्रों के लिए प्रमाणीकरण प्रमाण पत्र जारी किए गए हैं।

समीक्षाधीन अवधि के दौरान, महत्वपूर्ण मार्कर यौगिक और अन्य आवश्यक रसायन खरीदे गए। एचपीटीएलसी, भौतिक-रासायनिक स्थिरांक मान निर्धारण, फाइटोकेमिकल स्क्रीनिंग और पाउडर माइक्रोस्कोपी का उपयोग करके कुल 285 नमूनों का विश्लेषण किया गया। आयुर्वेद के विभिन्न संस्थानों से अलग-अलग बैचों में कुल 700 छात्रों, केआईएमएस मेडिकल कॉलेज, बेंगलुरु के स्नातक छात्रों और अन्य आगंतुकों/हितधारकों को डीएसआरयू में की जाने वाली विभिन्न गतिविधियों के बारे में प्रशिक्षण दिया गया।

इसके अलावा, संस्थान ने जन स्वास्थ्य उन्मुखीकरण के साथ-साथ जनजातीय स्वास्थ्य देखभाल अनुसंधान परियोजना (THCRP), आयुर्वेद मोबाइल स्वास्थ्य देखभाल परियोजना (AMHCP)- अनुसूचित जाति उपयोगना (SCSP) और एकलव्य मॉडल आवासीय विद्यालय (EMRS) जैसी आउटरीच गतिविधियाँ आयोजित की हैं। संस्थान ने निःशुल्क स्वास्थ्य शिविरों के आयोजन में भी भाग लिया और ज़रूरतमंद लोगों को दवाइयाँ वितरित कीं।

समीक्षाधीन अवधि के दौरान, जनजातीय स्वास्थ्य देखभाल अनुसंधान परियोजना (THCRP) के अंतर्गत, 4 क्लस्टरों के 24 गांवों में 205 दौरे आयोजित किए गए। कुल 50 जनजातीय आबादी का सर्वेक्षण किया गया और 5,730 रोगियों का उपचार किया गया। कुल 3933 प्रयोगशाला जांच की गई। 11 लोककथाओं के दावों का दस्तावेजीकरण और सत्यापन किया गया। जनजातीय समुदाय में व्यापक आयुर्वेद-आधारित स्वास्थ्य देखभाल दृष्टिकोण की स्वीकार्यता और व्यक्तिगत स्वास्थ्य देखभाल की प्रभावशीलता का आकलन- टीएससीआरपी 2024-25 के तहत क्लस्टर यादृच्छिक अध्ययन पूरा किया गया।

आयुर्वेद मोबाइल स्वास्थ्य सेवा परियोजना-एससीएसपी (अनुसूचित जाति उपयोगना) के अंतर्गत कुल 480 लोगों का सर्वेक्षण किया गया तथा 8 क्षेत्रों/पॉकेटों वाले चयनित 4 क्लस्टरों में 4236 रोगियों का उपचार किया गया। रिपोर्टिंग वर्ष 2024-25 के दौरान 7144 जांच की गईं। परियोजना के अंतर्गत कुल 177 जागरूकता गतिविधियाँ आयोजित की गईं तथा विभिन्न रोगों पर 20 फोकस शिविर आयोजित किए गए। समुदाय में व्यापक आयुर्वेद-आधारित स्वास्थ्य सेवा दृष्टिकोण की स्वीकार्यता तथा व्यक्तिगत स्वास्थ्य सेवा की प्रभावशीलता- एससीएसपी 2024-25 के अंतर्गत क्लस्टर यादृच्छिक अध्ययन पूरा किया गया।

आयुष मंत्रालय ने जनजातीय मामलों के मंत्रालय और भारतीय आयुर्विज्ञान अनुसंधान परिषद-राष्ट्रीय जनजातीय स्वास्थ्य अनुसंधान संस्थान (ICMR-NIRTH), जबलपुर के साथ मिलकर एकलव्य मॉडल आवासीय विद्यालयों (EMRS) के छात्रों की स्क्रीनिंग शुरू की है, जिसमें टीबी, एनीमिया, हीमोग्लोबिनोपैथी और कुपोषण तथा छात्रों में बेहतर स्वास्थ्य परिणामों के लिए आयुर्वेदिक हस्तक्षेप पर विशेष ध्यान दिया गया है। इस कार्यक्रम के तहत, 2 आर्वाटि स्कूलों (मंगला, चामराजनगर जिला और गंगानगरी पल्ली, कोलार जिला) के 766 छात्रों की स्क्रीनिंग की गई।

आयुष मंत्रालय की केंद्रीय क्षेत्र योजना आयुष औषधि गुणवत्ता एवं उत्पादन संवर्धन योजना (AOGUSY) के अंतर्गत राष्ट्रीय फार्माकोविजिलेंस कार्यक्रम भी जारी है। इस कार्यक्रम के अंतर्गत फार्माकोविजिलेंस के बारे में जागरूकता पैदा की जा रही है। कुल 101 भ्रामक विज्ञापन और 12 प्रतिकूल दवा प्रतिक्रिया (ADR) की सूचना मिली। विभिन्न आयुष कॉलेजों में 22 जागरूकता कार्यक्रम और CARI बेंगलुरु में एक कार्यक्रम आयोजित किया गया।

सीसीआरएस के तहत सीएआरआई एकमात्र संस्थान है, जिसे आयुष मंत्रालय द्वारा पांच वर्षों के लिए 7,24,80,400 रुपये की कुल निधि के साथ मधुमेह (मधुमेह) में अनुसंधान और नैदानिक सेवाओं के लिए उत्कृष्टता केंद्र की योजना प्राप्त हुई है।

इस योजना के तहत, मधुमेह (डाईबेटिस) के रोगियों के लिए एक विशेष ओपीडी कार्यात्मक है, जहाँ रोगियों को मुफ्त परामर्श, दवाएँ और प्रयोगशाला जाँच प्रदान की जाती हैं। विशेषीकृत ओपीडी ने 1574 मधुमेह रोगियों (891 पुरुष और 683 महिला) और 8198 अनुवर्ती विजिटों (4739 पुरुष और 3459 महिला) की देखभाल की, जो रिपोर्टिंग वर्ष के दौरान कुल 7416 थी।

कुल 20 प्रशिक्षण कार्यक्रम आयोजित किए गए जिनमें से 10 रोगियों के लिए और 10 छात्र प्रशिक्षण कार्यक्रम थे। चार चयनित योगों की मधुमेह विरोधी प्रभावकारिता का मूल्यांकन नागपुर पशु चिकित्सा महाविद्यालय, नागपुर में किया गया और चार चयनित योगों का उपयोग करके एक पायलट अध्ययन पूरा किया गया। पशु अध्ययन रिपोर्ट के आधार पर, दो योगों को नैदानिक परीक्षण के लिए चुना गया और अध्ययन चल रहा है। सेंटर फॉर इनक्व्यूबेशन, इनोवेशन, रिसर्च एंड कंसल्टेंसी (सीआईआईआरसी), बेंगलुरु के सहयोग से विकसित दो रेडी-टू-कुक फूड व्यंजनों के लिए एसओपी और टाइप-2 मधुमेह के रोगियों में इसकी एंटीडायबिटिक गुण लिए के दो रेडी-टू-कुक आहार पूरक का मूल्यांकन करने के लिए नैदानिक परीक्षण चल रहा है। इस वर्ष CoE योजना के तहत अल्ट्रासाउंड सोनोग्राफी मशीन खरीदी गई थी। जोखिम मूल्यांकन पोर्टल को कृत्रिम बुद्धिमत्ता (एआई) तकनीक का उपयोग करके विकसित किया गया है और दर्शकों के लिए मधुमेह के जोखिम का आकलन करने के लिए संस्थान की वेबसाइट पर उपलब्ध कराया गया है। दस आईईसी सामग्री विकसित की गई है और उन्हें जनता में वितरित किया जा रहा है, और सॉफ्ट कॉपी वेबसाइट पर उपलब्ध हैं।

इसके अलावा, 2 लघु शोध परियोजनाएं शुरू की गईं- टाइप-2 मधुमेह रोगियों में मधुमेह परिधीय न्यूरोपैथी की घटना और प्रकृति के साथ इसका संबंध-एक क्रॉस-सेक्शनल अध्ययन; स्वस्थ स्वयंसेवकों में वरदी और मुस्तदी घाना वटी की जैव उपलब्धता का मूल्यांकन -एक क्रॉस-ओवर यादृच्छिक नैदानिक परीक्षण, उनका नामांकन पूरा हो गया है और सांख्यिकीय विश्लेषण प्रक्रिया में है। चार लेख सहकर्मि समीक्षा पत्रिकाओं में प्रकाशित हुए और 3 प्रकाशन के लिए भेजे गए।

CENTRAL AYURVEDA RESEARCH INSTITUTE, BENGALURU

(Central Council for Research in Ayurvedic Sciences, Ministry of Ayush, Govt. of India)

SUMMARY OF ANNUAL REPORT 2024-25

Central Ayurveda Research Institute (CARI), Bengaluru under Central Council for Research in Ayurvedic Sciences (CCRAS), Ministry of Ayush, Govt. of India, has been functioning in Bengaluru since 1971. The CARI, shifted from a state government building to its own campus in 2019, consists of Hospital Block with Out-Patient Department (OPD), 28-bedded In-patient Department (IPD), Specialty OPD like Panchakarma, Yoga, Shalya & Marma Chikitsa, Shalakya (Eye & ENT), Diabetes, Manasaroga and Geriatrics; Clinical Laboratory, Pharmacy, Minor Operation Theatre, Hospital Canteen, X-Ray, Ultrasonography, and Echocardiography (ECG).

The Administrative Block consists of Office, Meeting Hall with Video Conferencing set up, Seminar Hall, Plant Museum, Food Laboratory, Library, Store, Microbiology, Pharmacognosy, Chemistry & Botany section. Since beginning, the institute has been actively participating in achieving targets according to the allotted programs. The scientists are from diverse disciplines working with a focused aim of scientific validation of Ayurveda.

Since inception, the institute has 490 scientific publications and abstracts, 10 monographs, 8 book reviews, 1423 presentations and participations and has got 3 gold medals, 4 best research papers and received incentives for two best publications. During the reporting year, scientists from CARI have published 15 research articles in national and international journals and 23 are in pipeline. Four publications are in Pubmed/Scopus/Web of Science indexed journals. The institute received 391 citations for papers published in the preceding three financial years. Officers participated in 108 seminars, webinars, conferences, meetings, and hands-on training. The reference library hosts 2073 books, important scientific journals and CCRAS publications for sale.

Presently there are 24 regular employees working at CARI, Bengaluru against the 64 sanctioned posts. There are 13 permanent scientists including head of institute, 21 contractual researchers and 106 overall staff. Total 5 scientists and 18 contractual research staff at the institute are young women scientists and researchers. One women/young scientist has been supported by the institute for further training.

The institute received Rs. 12.48 Cr from CCRAS headquarters, of which 4.66 Cr was spent on R&D (IMR/EMR/Collaborative projects/Outreach) activities. The institute got Rs. 1.01 Cr from Ministry of Ayush for Centre of Excellence (CoE) for Diabetes. The institute generated Rs. 42,53,336 (Rupees forty-two lakh fifty-three thousand three hundred and thirty-six only) revenue in the reporting year. The Clinical Research Unit has generated Rs. 39,26,973 (Rupees thirty-nine lakh twenty-six thousand nine hundred and seventy-three only) from OPD registration, IPD admission charge, Panchakarma procedures, Minor OT, laboratory

investigations including X-Ray, ECG, USG. The Survey of Medicinal Plants Unit has generated Rs. 1,82,000/- (Rupees one lakh eighty-two thousand only) through crude drug authentication and sale of medicinal plants. DSRU has generated revenue of Rs. 29,800 (Rupees twenty-nine thousand and eight hundred only). Rs 41,491 (Rupees forty-one thousand and four hundred ninety only) was generated by other means like sale of books, CCRAS publications and other articles etc. Rs. 13,000 (Rupees thirteen thousand only) was generated from tender processing fees. Rs. 60,072 (Rupees sixty-nine thousand and seventy-two only) was generated from interest earned from Bank. Rs. 14.94 Lakhs were unutilized and returned.

A static bilingual website www.cari.gov.in is fully functional with the total impressions of 1,86,683 during the reporting period and 2,39,689 population was covered under e-healthcare initiatives. The website follows all security protocols as mandated by the Government of India. The institute also has a YouTube channel for creating awareness about various aspects of health and to disseminate various activities and achievements of CARI/CCRAS/Ministry of Ayush.

In this reporting year, the institute upgraded itself by initiating various new facilities/services like 28-bedded In-Patient Department (IPD), Ultrasonography (USG), X-Ray (donated by ICICI foundation) and Echocardiography (ECG).

Honourable Prime Minister Shri Narendra Modiji digitally launched Centre of Excellence (CoE) in Ayurveda for Diabetes & Metabolic Disorders, sponsored by Ministry of Ayush, Govt. of India at Indian Institute of Science (IISc), Bengaluru in collaboration with the CARI Bengaluru on 29th October 2024 coinciding with 9th National Ayurveda Day.

CARI, Bengaluru has been recognized as Ph.D. centre from Datta Megha Institute of Higher Education and Research (DMIHER), Sawangi, Wardha, Maharashtra and Post-doctoral research centre from Dayananda Sagar Academy of Technology and Management (DSATM), Bengaluru. The application for Ph.D. centre in Botany has been submitted to Bangalore University under “Centre for Specialized Studies”. Total 3 PhDs students are getting guidance by the institute through collaboration with a DIMHER. One Post doctoral fellowship are also under guidance by the institute.

Inspection by National Board of Hospitals & Healthcare Providers (NABH) was conducted to upgrade& renew the certification of the institute as Ayush Hospital. The NABH has granted renewal of certification under AELC certification programme as Ayush Hospital till Jan 4, 2027. The Surveillance inspection by National Accreditation Board for Testing and Calibration Laboratories (NABL) to monitor the compliance of clinical laboratory of the institute also happened during the reporting period. Food Safety & Standards Authority of India (FSSAI) certification was received in the name of canteen vendor of the institute.

Several activities including a press meet was conducted at Bengaluru Press Club to disseminate information about 100 days of achievement of Ministry of Ayush. All the officers of CARI Bengaluru addressed media regarding activities of Ministry of Ayush, CCRAS &

CARI Bengaluru. Wide coverage of the event was given by national print and digital media including Doordarshan.

Two publications namely Siddha Nagarjuneeyam and Rasa Shastra Evam Rasa Grantha from a manuscript project of CARI Bengaluru were released during Avalokana at Jaipur on 21st March 2025. CCRAS publication policy with Sulochana Bhat, Incharge, CARI Bengaluru as the main author was also released. The institute has provided content for drafting of Standard Treatment Guidelines (STGs) for various metabolic disorders including Diabetes Mellitus, Obesity, Dyslipidemia & Gout. The institute has also contributed a chapter on Intellectual Property Rights for proposed book of Research Methodology by CCRAS.

The institute has got approval from Ministry of Ayush, Govt. of India to establish an incubation centre titled as Ayurveda Sciences Incubation Centre (ASIC) under Startup Incubation through Ayush Institution scheme for supporting 20 startups in the field of Ayurveda with innovative product or service business idea.

The Regional Implementation Office (Official Language), South Region, Bengaluru has inspected the office on 26.03.25 to monitor the implementation of provision of official language in official work. The e-inspection of the institute by Hindi Section of CCRAS Headquarters was also conducted on 10.02.2025. Both the authorities appreciated the institute for its work.

The institute has organized various national level workshops and training programmes viz- conference on Pharmacovigilance, Pharmacovigilance awareness programmes in seven Ayush colleges, Investigators and Project Personnels' Training for Good Clinical Practice and Public Health Research Programme, Publication weeks, Research Methodology & Diabetes Management training to twelve batches of college students and four workshops on *Rajbhasha* Hindi were also conducted by the institute. Total 5 scientists and 5 project staff from the institute were deputed to provide training at various institutes across Karnataka. Total 15 skill development programmes were conducted by the institute including 4 workshops, 10 capacity building programmes, 1 Continuing Medical Education (CME). A total of 490 beneficiaries attended skill development trainings organized by the institute. The institute has been providing training to BAMS & MBBS internees.

A 100-days campaign for Tuberculosis (TB) elimination was conducted from December 2024 to March 2025. The institute also conducted seven Free medical camp & geriatric health camp at Ayushmaan Mandir in collaboration with Government of Karnataka at Somanahalli, Bengaluru.

CARI Bengaluru also organized World Environment day, International Yoga day, Blood Donation day, Organ donation day, Constitution day, Janjatiya Gaurav Divas, World Sick Cell Anemia Awareness day, Patient Rights day, World Patient safety, Ayurveda day, Hindi Pakhwada, Hindi Diwas, National Ayush programmes like Poshana Maah, Swachata Abhiyan, Vigilance awareness week etc.

Under Swachata Hi Seva 2024 campaign, the institute organized various activities including awareness programme on Sanitation, Solid Waste Management and Bio Medical Waste management ensuring safe and environmental friendly disposal. Swachata pledge was taken by the all the staff of the institute.

The institute was part of 'Desh Ka Prakriti Parikshan Abhiyan' by enrolling 600 volunteers in association with National Commission of Indian System of Medicine (NCISM), Ministry of Ayush, Govt. of India, Councils of Scientific & Industrial Research (CSIR), Institute of Genomics & Integrative Biology (IGIB). CARI Bengaluru provided Prakriti training through CCRAS Ayur Prakriti Web Portal to faculty members of various ayurvedic colleges of Karnataka namely- Shri BMK Ayurveda Mahavidyalaya, KLE, Belgaum; Rajiv Gandhi Education Society's Ayurvedic Medical College & Hospital (RGESAMCH), Ron; Sri Sri College of Ayurvedic Science and Research, Bengaluru; Shri Jagadguru Gavisiddheshwara Ayurvedic Medical College, Koppal; JSS Ayurvedic Medical College & Hospital, Mysore; SDM College of Ayurveda, Udupi; SDM Institute of Ayurveda & Hospital, Bengaluru.

CARI, Bengaluru distributed Ayurvedic prophylactic medicines like Samshamana Vati, Ashwagandha Ghana Vati along with health advisory materials to OPD patients. Free distribution of these medicines to Ayurveda colleges of Karnataka were also done for the promotion of Ayurveda & popularizing CARI Bengaluru, CCRAS, Ministry of Ayush.

Presently, the institute is rendering clinical services through NABH certified hospital and NABL accredited Laboratory. The institute provides primary health care to the patients at both outpatient and inpatient level with dispensing of free medicines. The facilities include preventive and curative medical care, laboratory investigations (routine pathological & biochemical), Panchakarma treatment, Shalya & Marma Chikitsa, Shalakya (Eye & ENT), Yoga, De-addiction & Manasa Roga, USG, Color Doppler Study, X-Ray, ECG etc.

Since inception, the Clinical Research Unit (CRU) of the institute has served 4,85,366 patients. During the reporting period 45,093 patients (41,320 at CARI Campus Kanakapura Road, 3,129 at Clinical Section Balepete & 644 at NAL OPD) have been benefited. During reporting period, average patient footfall was 150 patients per day. As a part of special medical services, 12260 geriatric patients, 467 patients with flu like illness, 348 Shalya OPD patients, 3,111 Shalakya OPD patients were treated. Total 21,687 Panchakarma procedures including 10,070 males and 11,617 females. Total 229 para-surgical procedures were performed including 144 males and 85 females. Total 1,22,084 clinical laboratory investigations were conducted. Total 630 patients (Male-301 & Female-329) admitted in the IPD during reporting period and yearly bed occupancy was 84.38%. In addition to this, the institute also organized 7 Health camps for the needy public.

Since inception, clinical research projects on Kuposhana (Malnutrition), Arsha (Haemorrhoids), Manodwega (Anxiety neurosis), Tamakashwasa (Bronchial Asthma), Vyanabala Vaishamya (Hypertension), Pandu (Iron deficiency Anemia) have been completed. Further, collection of information about claims of prevention and treatment of Vector Borne Diseases, Flu like illness and Pharmacovigilance studies on Ayurvedic medicines have been

completed. Intramural Clinical Research Projects (IMCRP) on Rasayana (Aswagandhavalehya and Brahma Rasayana in geriatrics), Kashtartava (Dysmenorrhoea), Sthaulya (Obesity), Osteoarthritis Knee, Rasayana effect of Chyavanaprasha, Osteoporosis, Bronchial Asthma, Gridhrasi, Rasaushadhis, KAP study on Diabetes Mellitus, AYSUH-D in Pre-Diabetes and Type 2 Diabetes Mellitus, Dengue, Breast cancer, Medoroga (Obesity), Non Alcoholic Fatty Liver Disease (NAFLD), Health care seeking behavior, Ayurveda based community health care approach, Subclinical Hypothyroidism have been completed.

Total seven projects were completed under Centre of Excellence (CoE) for Diabetes viz- Evaluation of anti-diabetic efficacy of four selected classical Ayurvedic poly-herbal formulations in Type-2 Diabetes Mellitus – A randomized pilot study; Clinical evaluation of anti-diabetic efficacy of ‘Kaphaja Pramehahara Yoga, an Ayurveda poly-herbal formulations in Pre-diabetes – A pilot study; A pilot study to evaluate the role of Yoga capsule as add-on in reducing Serum Glucose levels in diabetes; A Cross-sectional study of Knowledge, Attitude and Practice related to Madhumeha (Diabetes); Knowledge, Attitude and Practices related to Madhumeha (Diabetes); Development of predictive system for diagnosing the risk of Diabetes using machine learning techniques; Preclinical study of four antidiabetic formulations in high fat diet along with low dose of Streptozotocin induced diabetes in Wistar rats.

During the reporting period, the Clinical Research Unit (CRU) has completed 8 research Projects viz.- Evaluation of AYUSH-GMH in the subjects of mild to moderate non-alcoholic fatty liver disease (NAFLD) - A Double-Blind Randomized control clinical study; Morbidity and Healthcare-seeking behaviour of the patients visiting the Ayurveda healthcare facilities of the DGAFMS Hospitals: A multicentre cross-sectional survey study Double-Blind Randomized control clinical study; Clinical Evaluation of Lekhaniya Gana Kashaya and Arogyavardhini Gutika in the Management of Medoroga (Obesity); A Randomized, Placebo-controlled, Double-blind Clinical Trial to Evaluate the Effect of Trikatu in Subclinical Hypothyroidism; Assessment of acceptability of the comprehensive Ayurveda-based health care approach in the tribal community and effectiveness of individualized health care - Cluster randomized study under THCRP 2024-25; Acceptability of the comprehensive Ayurveda-based health care approach in the community and effectiveness of individualized health care - Cluster randomized study under SCSP 2024-25. Out of these eight projects, extension was sought for only one project. Total 2 project reports prepared and submitted by the institute.

Efficacy and safety of Ayurveda Formulation ‘Trikatu’ in Dyslipidemia – A Prospective Randomized Double Blind Placebo Controlled Trial; A cross-sectional survey to explore the association of Prakriti with Diabetic Retinopathy; Management of Autism Spectrum Disorder in children through a comprehensive Ayurveda approach as an add-on to conventional therapy - A randomized control clinical trial; Documentation of Prescription Trends in Osteoarthritis by Ayurveda Physicians–A Retrospective Analysis; Study and documentation of plant raw drugs for substitution & adulteration in the markets of South India (Karnataka, Kerala, Tamil Nadu, Andhra Pradesh, Telangana); Documentation of Wild Edible and Medicinal Plants available in different markets of southern part of Western Ghats in Karnataka State of Karnataka; Documentation of Life profiles of Admirable Personalities to

transform Ayurveda- 2024 (APTA) are seven ongoing Intra Mural Research (IMR) projects in the institute.

Total four projects are ongoing under Centre of Excellence (CoE) for Diabetes viz- Evaluation of bio-availability of Varadi and Mustadighanavati in healthy volunteers – A cross-over randomized clinical trial; Occurrence of diabetic peripheral neuropathy and its relationship with Prakriti among type-2; Evaluation of two ready-to-cook dietary supplements for its anti-diabetic property in patients of type-2 diabetes mellitus -A Randomized control trial; Safety and efficacy of Mustadighanavati and Varadi ghanavati in Madhumeha/type-2 diabetes mellitus: An open labelled randomized controlled active comparator (Metformin) Phase-II study.

CARI is executing thirteen Multi Centric/Collaborative Clinical Research Projects (MCCR)- viz- Evaluation of Hepatoprotective activity of PTK as an add on therapy in the patients of Tuberculosis on ATT – A, Double Blind Randomized control clinical study; Evaluating the efficacy of Ayurvedic intervention as add on to conventional treatment and explore the interaction of Epigenetics, Neuro/gut biomarkers and Neuroimaging in Pediatric ADHD (Attention Deficit Hyperactivity Disorder); Ayurveda therapeutic regimen as on Add-on to optimized conventional management of Parkinson's disease: An RCT for assessment of Clinical, Cortical excitability, Neuroimmune and Autonomic function parameters; A multi-centre study to assess the treatment adherence and tolerability of Ayush SR in Generalized Anxiety Disorder (GAD) under SMART Programme; Systems biology approach to delineate molecular signatures of Prakriti in healthy humans; A Comparative study to evaluate the efficacy and safety of Ayurvedic Intervention in Insomnia disorder among the elderly – A prospective randomized open- label study; Efficacy and safety of Arjuna [Terminalia arjuna (Roxb.Wight&Arn)] as an adjunct to standard care in Atherogenic Dyslipidemia- A randomized double-blind placebo-controlled study; General health screening with special focus on Tuberculosis, Anemia, Haemoglobinopathies & Malnutrition and Ayurvedic Interventions for better health outcomes in students of Ekalavya Model Residential Schools (EMRS) functioning under M/o Tribal Affairs; Formulation and product development of Ayurveda recipes and nutritional evaluation of selected products; Documentation of Traditional food recipes of Karnataka and their validation with Ayurveda and nutritional perspective; Elucidating mechanisms of anti-hyperglycemic activity of selected herbal formulations; Comparative evaluation of field and hydroponic cultivation of selected Ayurvedic medicinal plants; Seasonal variation on bioactive compounds of Panchavalkal-05 medicinal plants used in Ayurveda.

One collaborative project is ongoing under Centre of Excellence (CoE) for Diabetes-A Randomized active comparator controlled clinical trial of selected Ayurvedic formulations in Pre-Diabetes and Type 2 Diabetes in collaboration with Indian Institute of Science (IISc), Bengaluru. One project “Evaluation of Triphala as an Add-on Intervention for Sustained Weight Loss in Overweight and Obesity: A Randomized Placebo-Controlled Clinical Trial” funded by Indian Council of Medical Research (ICMR) is also ongoing in the institute.

Total three projects are sanctioned but yet to be initiated viz-Ayurveda Sciences Incubation Centre (ASIC) under Startup Incubation through Ayush Institution scheme; A Double Blind Double Dummy Prospective Randomized Controlled Study to evaluate the efficacy of classical Ayurveda Management versus Methotrexate in Rheumatoid Arthritis Version-2.0 (AMRA 2.0 Study); Efficacy of Ayurveda Coded formulation Ayush D in the management of Type 2 Diabetes Mellitus- A prospective multicentre randomized double blind placebo controlled clinical trial.

Total five projects were approved by Project Evaluation and Monitoring Committee (PEMC) include- Safety, Efficacy, Acceptability & Tolerability of Maggot Debridement Therapy in Madhumehajanya Vrana w.s.r. to Diabetic Foot Ulcer: A Randomized Controlled Pilot Clinical Trial; A Clinical Consensus study for developing the practice guidelines and Standardization of Tarpana & Putapaka with a Feasibility study in Myopia; Survey and Documentation on Netra Kriyakalpa among registered Ayurveda practitioners across India; Safety & Efficacy of Integrative Ayurvedic Intervention in the management of Mild Cognitive Impairment (MCI) (Smritibhramsa) – A Randomized Controlled Clinical Trial; Medico Ethno Botanical Survey of Nallamala forests located in the states of Andhra Pradesh and Telangana.

Other ten proposed IMR/collaborative projects viz.-Evaluation of efficacy of usual care Ayurveda interventions and treatment as usual in elderly participants with knee Osteoarthritis for improving functionality and quality of life - Pragmatic trial. Evaluating Safety and Efficacy of Integrative Ayurveda and Yoga Intervention as add-on therapy in Geriatric depression; Evaluation of Effect of Ayurvedic Interventions in the Management of Refractive changes Associated with Diabetes: A Randomized Double Blinded Placebo Controlled Clinical Trial; A Clinical Study to assess the safety and efficacy of ‘Vayasthapana Gana’ Ghana Vati on Ageing; Prospective clinical trial to assess the efficacy, compatibility and tolerability of Millets in Samsarjana Project; A Randomized clinical study to evaluate the safety and efficacy of AYUSH-82 Ayurvedic formulation on non-Chronic Type 2 Diabetes Mellitus and its Bio-Molecular evaluation; A prospective randomized double blind clinical trial to assess the efficacy and safety of *Arjunarista* and *Navakaguggulu* in Dyslipidemia as a preventive measure for vascular disorders; Randomized Controlled Trial to evaluate the efficacy of Gandha Thaila and Kukkutandatvak Bhasma as add on to standard care in the management of Osteopenia/Osteoporosis (Submitted to ICMR); A Study on the effect of ‘Achara Rasayana’ and ‘Amalaki Rasayana’ on enhancing; Behavioral and Immunological Health” through Ayurvedic holistic approach (Submitted to IKS); Development of Quality Standards for Useful Parts of Selected Medicinal Plants of Ayurveda.

Under Medicinal Plants Research, two collaborative projects namely “Comparative Evaluation of field and hydroponic cultivation of selected Ayurvedic Medicinal Plants” with ICAR-Indian Institute of Horticultural Research (IIHR), Hesaraghatta, Bengaluru; and “Study of seasonal variation on Bioactive Compounds of Panchavalkal-05 Medicinal Plants used in Ayurveda” with University of Agricultural Sciences, GKVK, Bengaluru. Two IMR projects viz. “Study and documentation of plant raw drugs for Substitution and Adulteration in the markets of South India (Karnataka, Kerala, Tamil Nadu, Andhra Pradesh & Telangana)” and

Documentation of Wild Edible and Medicinal Plants in different markets of southern part of Western Ghats in Karnataka State” were initiated during the reporting period. Sanction received for an IMR project on “Medico Ethno Botanical Survey of Nallamala forests located in the Andhra Pradesh and Telangana” in March 2025. About 608.1 kg fresh crude samples have been collected and after drying about 339.05 kg material supplied to various IMR/Collaborative research projects of CCRAS during the reporting year. Total 783 botanical samples have been identified and authentication certificates are issued for academic/research students.

During the reporting period, important marker compounds and other required chemicals were procured. Total 285 samples were analyzed using HPTLC, physicochemical constant values determination, phytochemical screening, and powder microscopy. Total 700 students in separate batches from various Institutions of Ayurveda, undergraduate students of KIMS Medical College, Bengaluru and other visitors/ stakeholders were imparted training about various activities performed in the DSRU.

Besides, the Institute has conducted outreach activities viz.- Tribal Health Care Research Project (THCRP), Ayurveda Mobile Health Care Project (AMHCP)- Scheduled Caste Sub Plan (SCSP) and Ekalavya Model Residential Schools (EMRS) with public health orientation. The institute also took part in organizing the free health camps and distributed medicine to the needy public.

During the reporting period, under Tribal Health Care Research Project (THCRP), 205 tours were conducted at 24 villages of 4 clusters. Total 50 tribal population have been surveyed and 5,730 patients were treated. Total 3933 lab investigations were performed. 11 folklore claims were documented and validated. Assessment of acceptability of the comprehensive Ayurveda-based health care approach in the tribal community and effectiveness of individualized health care - Cluster randomized study under THCRP 2024-25 was completed.

Under Ayurveda Mobile Health Care Project-SCSP (Scheduled Caste Sub Plan), a total of 480 population were surveyed and 4236 patients were treated in the selected 4 clusters comprising of 8 areas/pockets. 7144 investigations were conducted during the reporting year 2024-25. A total of 177 awareness activities were conducted under the project and 20 focus camps were conducted on various diseases. Acceptability of the comprehensive Ayurveda-based health care approach in the community and effectiveness of individualized health care - Cluster randomized study under SCSP 2024-25 was completed.

Ministry of Ayush, in collaboration with Ministry of Tribal Affairs & Indian Council of Medical Research- National Institute for Research in Tribal Health (ICMR-NIRTH), Jabalpur has jointly initiated the screening of Ekalavya Model Residential Schools (EMRS) students with special focus on Tuberculosis, Anemia, Haemoglobinopathies & Malnutrition and Ayurvedic Interventions for better health outcomes in students. Under this programme, 766 students from 2 allotted schools (Mangala, Chamarajanagar District and Gangannagari Palli, Kolar District) were screened.

The National Pharmacovigilance Program is also continuing under Ayush Oushadhi Gunvatta Evam Utpadan Samvardhan Yojana (AOGUSY), Central Sector Scheme, Ministry of Ayush. Awareness regarding pharmacovigilance is being created under this program. Total 101 misleading advertisements, and 12 Adverse Drug Reactions (ADR) were reported. Total twenty-two awareness programs were conducted at various Ayush colleges and one at CARI Bengaluru.

CARI is the only institute under CCRAS to get the scheme of Centre of Excellence [for Research and Clinical services in Madhumeha (Diabetes mellitus)] by Ministry of Ayush with a total fund of Rs.7,24,80,400/- for five years. Under the scheme, a specialized OPD for patients of Madhumeha (Diabetes) is functional where patients are provided with free consultation, medicines, and laboratory investigations. The specialized OPD has catered to 1574 diabetic patients (891Male & 683 Female) and 8198 follow-up visits (4739Male &3459 Female) totalling to 7416 during the reporting year.

Total 20 training programmes were conducted of which 10 were for patients and 10 student training programmes. The anti-diabetic efficacy of four selected formulations were evaluated at Nagpur Veterinary college, Nagpur and a pilot study completed using four selected formulations. Based on the animal study report, two formulations were selected for the clinical trial and the study is undergoing. SOPs for two ready to cook food recipes developed in collaboration with Centre for Incubation, Innovation, Research and consultancy (CIIRC), Bengaluru and clinical trial is undergoing to evaluate the two ready to cook dietary supplements for its antidiabetic property in patients of type -2 diabetes mellitus. Ultrasound sonography machine was purchased under CoE scheme this year. Risk assessment portal is developed using Artificial Intelligence (AI) technology and made available in the institute website for the viewers to assess the risk of Diabetes. Ten IEC materials have been developed and are being distributed to public, and the soft copies are available on the website.

In addition, 2 minor research projects were initiated (Occurrence of diabetic peripheral neuropathy and its relationship with Prakriti among type-2 diabetic patients – A cross-sectional study, Evaluation of bioavailability of Varadi and Mustadighanavati in healthy volunteers – A cross-over randomized clinical trial), their enrolment is completed, and statistical analysis is under process. Four articles were published in peer reviewed journals and 3 were communicated for publication.

Background note on Intra Mural Research (IMR)/ Multi Centric Collaborative Research Projects (MCCRP)/Outside Funding Research Projects-

Sr. No.	Title of the project	Target	Status	Remarks
CLINICAL SECTION				
Intramural Clinical Research Projects – Ongoing				
1.	Efficacy and safety of Ayurveda Formulation ‘Trikatu’ in Dyslipidemia – A Prospective Randomized Double-Blind Placebo Controlled Trial	120 (Extended for 9 months)	Ongoing	Screened-157 Screen Failure-64 Enrolled-93 Completed-63 Drop out-7 Ongoing- 23
2.	A Cross Sectional Survey to explore the association of Prakriti with Diabetic Retinopathy.	1350 (Extended for 18 months)	Ongoing	Screened-982 Enrolled -981 Completed-981
3.	Documentation of Prescription Trends in Osteoarthritis by Ayurveda Physicians–A Retrospective Analysis	20000 (case sheets)	Ongoing	Screened- 7000 Completed-600
4.	Management of Autism Spectrum Disorder in children through a comprehensive Ayurveda approach as an add-on to conventional therapy - A randomized control clinical trial	80	Ongoing	Enrolment yet to be initiated.
Other Intra-Mural Projects - Ongoing				
1.	Study and documentation of plant raw drugs for substitution & adulteration in the markets of South India (Karnataka, Kerala, Tamil Nadu, Andhra Pradesh, Telangana)	NA	Ongoing	Available crud drugs from the local markets from Bengaluru, Chennai and Cheruthurthy have been collected and pharmacognostical study is under progress
2.	Documentation of Wild Edible and Medicinal Plants available in different markets of southern part of Western Ghats in Karnataka State of Karnataka	Documentation of Wild edible plants from Mysuru, Kodagu, Hassan, Chikmagalur, Dakshina Kannada and Udupi districts	Ongoing	Survey conducted in Hassan district and two local markets were visited and documented wild edible plants.

3.	Documentation of Life Profiles of Admirable Personalities to Transform Ayurveda 2024	NA	Ongoing	Report submitted.
Intramural Clinical Research Projects –Completed				
1.	A Randomized, Placebo-controlled, Double-blind Clinical Trial to Evaluate the Effect of Trikatu in Subclinical Hypothyroidism	90/50	Completed	Screened- 438 Screen failure-83 Enrolled- 55 Completed- 46 Drop out- 09
2.	Clinical Evaluation of Lekhaniya Gana Kashaya and Arogyavardhini Gutika in the Management of Medoroga (Obesity)	50	Completed	Screened-54 Screen Failure-4 Enrolled-50 Completed-50 Drop out-11
3.	Assessment of acceptability of the comprehensive Ayurveda-based health care approach in the tribal community and effectiveness of individualized health care - Cluster randomized study	520	Completed	Enrolled-520 Completed-520 Dropout-00
4.	Acceptability of the comprehensive Ayurveda-based health care approach in the community and effectiveness of individualized health care - Cluster randomized study	480	Completed	Enrolled-480 Completed-476 Dropout-04
Other Intra-Mural Projects –Completed				
-	-	-	-	-
Collaborative Clinical Research Projects –Ongoing				
1.	Evaluation of Hepatoprotective activity of PTK as an add on therapy in the patients of Tuberculosis on ATT - A Double Blind Randomized control clinical study	150/100 (Revised)	Ongoing	Screened- 118 Enrolled- 100 Completed- 71 Drop out- 11 Continuing-18
2.	Evaluating the efficacy of ayurvedic intervention as add on to conventional treatment and explore the interaction of epigenetics, neuro/gut biomarkers and neuroimaging in pediatric ADHD (attention deficit hyperactivity disorder)	160 (Reduced to 80)	Ongoing	Screened-1055 Enrolled-78 Completed-52 Dropout-19 Continuing-7
3.	Ayurveda therapeutic regimen as on Add-on to optimized conventional management of Parkinson's disease: An RCT for	80	Ongoing(Extended till 31.01.2026)	Screened-240 Enrolled-49 Completed-55 Dropout-09

	assessment of Clinical, Cortical excitability, Neuroimmune and Autonomic function parameters			Continuing-18
4.	A multi-centre study to assess the treatment adherence and tolerability of Ayush SR in Generalized Anxiety Disorder (GAD) under SMART Programme	440	Ongoing	Screened-506 Enrolled-412 Completed-245 Dropout-30 Continuing-137
5.	Systems Biology approach to delineate molecular signatures of Prakriti in healthy humans	Analysis of 786 urine samples	Ongoing	Collected-786 Processed-786 Analyzed-786
6.	A Comparative study to evaluate the efficacy and safety of Ayurvedic Intervention in Insomnia disorder among the elderly – A prospective randomized open- label study	Target-140	Ongoing	IEC approval taken. Trial awaited.
7.	Efficacy and safety of Arjuna [Terminalia arjuna (Roxb.Wight&Arn)] as an adjunct to standard care in Atherogenic Dyslipidemia- A randomized double-blind placebo-controlled study	Target-170	Ongoing	Draft MoU submitted.
8.	General health screening with special focus on Tuberculosis, Anemia, Haemoglobinopathies & Malnutrition and Ayurvedic Interventions for better health outcomes in students of Ekalavya Model Residential Schools (EMRS) functioning under M/o Tribal Affairs	All students from 2 selected EMRS schools- Mangala Gangannagari Palli	Ongoing	School- 1 (Mangala) Screened- 368 Anemic-146 Malnutrition- 77 Hemoglobinopathy- 28 School- 1 (GN Palli) Screened- 398 Anemia-89 Malnutrition- 51 Hemoglobinopathy- 18
Other Collaborative Projects – Ongoing				
1.	Formulation and product development of Ayurveda recipes and nutritional evaluation of selected products	10 recipes	Ongoing	SOPs of 10 Ayurveda food recipes completed. Animal experiment for 4 recipes is under progress

2.	Documentation of Traditional food recipes of Karnataka and their validation with Ayurveda and nutritional perspective	100 traditional recipes from 20 locations	Ongoing	Phase 1: Completed Phase 2: Completed Total number of recipes recorded: 127/100
3.	Elucidating mechanisms of anti-hyperglycemic activity of selected herbal formulations	Alpha Glucosidase inhibitory potential, cell viability (MTT assay in HepG2, RIN-5F, 3T3-L1 & L6 cell lines), fatty acid profiling, 2D colony formation assay in RIN-5F, Propidium Iodide assay in RIN-5F.	Ongoing	Alpha-glucosidase, DPP-IV inhibition studies, MTT assays on L6, HepG2, and RIN-5F cells, assays under lipo-toxicity using palmitic acid completed. Ongoing work includes MTT assays, colony formation, and propidium iodide assays on RIN-5F cells.
4.	Comparative evaluation of field and hydroponic cultivation of selected Ayurvedic medicinal plants	Cultivation of selected 5 medicinal plants	Ongoing	Hydroponic and soilless cultivation of Piper longum, Uraria picta completed. Analysis on bioactive compounds of useful parts done. Field, hydroponic and soilless cultivation of Rubia cordifolia and Convolvulus pluricaulis under is under progress.
5.	Seasonal variation on bioactive compounds of Panchavalkal-05 medicinal plants used in Ayurveda	Study of seasonal variation of 05 medicinal plants	Ongoing	Seasonal collection and analysis of bioactive compounds from stem bark (secondary and tertiary branches) of Panchavalkal plants (04 Ficus and 01 Thespesia

				species) is under progress
Collaborative Clinical Research Projects–Completed				
1.	Evaluation of AYUSH-GMH in the subjects of mild to moderate non-alcoholic fatty liver disease (NAFLD) - A Double-Blind Randomized control clinical study	100	Completed	Screened-138 Screen Failure-38 Enrolled-100 Completed-87 Drop out-13 Continuing-0
2.	Morbidity and Healthcare-seeking behaviour of the patients visiting the Ayurveda healthcare facilities of the DGAFMS Hospitals: A multicentre cross-sectional survey study	No specific target	Completed	Screened-598 Enrolled -598 Completed-598
3.	A Double-Blind Double Dummy Prospective Randomized Controlled Study to evaluate the efficacy of classical Ayurveda Management versus Methotrexate in Rheumatoid Arthritis (AMRA)	240	Terminated	Screened-109 Enrolled- 71 Completed-18 Drop out-14
Other Collaborative Projects - Completed				
-	-	-	-	-
Outreach Programmes				
1. Tribal Health Care Research Programme (THCRP)				
1.	Tribal Health Care Research Programme (THCRP)	Number of tours- 205 Population-5730 LHTs- 11	Completed	Villages: 24 (4 cluster) Total Visits: 205 Patients treated: 5730 LHT claims: 11 Investigations: 3933. Health care initiatives: Focus camps: 39 Health Awareness camps: 70 No. of clinical projects under THCRP: 1
2. Scheduled Caste Sub Plan (SCSP)				
1.	Ayurveda Mobile Health Care Project (AMHCP)- under Scheduled Caste Sub Plan (SCSP)	Number of tours- 200 Population surveyed- 480	Completed	Pockets/ Areas: 4 pockets (8 areas) No. of tours completed- 202 Population surveyed- 480

				<p>Patients treated:4236 Investigations conducted: 7144</p> <p>Health care initiatives: Focus camps: 20 Health Awareness camps: 177 No. of clinical projects under SCSP: 1</p>
Centre of Excellence (CoE) funded by Ministry of Ayush				
1.	Centre of Excellence (CoE) for Research & Clinical Services in Madhumeha (Diabetes Mellitus) From Ministry of Ayush	NA	Ongoing	<ul style="list-style-type: none"> • OPD patients treated- 1395 patients • Patients (Yoga)- 87 patients • Camps (Diabetes)-30 camps, 915 beneficiaries • Public training programmes-10 programmes with 748 beneficiaries • Patient training programmes-10 programmes with 282 beneficiaries • Ayurveda Student training programmes- 10 programmes with 426 trainees • Yoga training camps- 12 programmes with 325 beneficiaries • MoUs signed- 01 • Population covered under e-Healthcare initiatives- 189610

				<ul style="list-style-type: none"> • No of minor projects under CoE – 9 • Articles published- 04
2.	Evaluation of anti-diabetic efficacy of four selected classical Ayurvedic poly-herbal formulations in Type-2 Diabetes Mellitus – A randomized pilot study.	NA	Completed under CoE scheme	Statistical analysis completed. Publication under process
3.	Clinical evaluation of anti-diabetic efficacy of ‘KaphajaPramehahara Yoga, an Ayurveda poly-herbal formulations in Pre-diabetes – A pilot study.	24	Completed under CoE	Statistical analysis completed.
4.	A pilot study to evaluate the role of Yoga capsule as add-on in reducing Serum Glucose levels in diabetes	06	Completed under CoE	Statistical analysis completed. Article published.
5.	A Cross-sectional study of Knowledge, Attitude and Practice related to Madhumeha (Diabetes)	30	Completed under CoE	Publication under process.
6.	Knowledge, Attitude and Practices related to Madhumeha (Diabetes)	1200	Completed under CoE	Under Publication.
7.	Development of predictive system for diagnosing the risk of Diabetes using machine learning techniques	1000	Completed under CoE	Predictive document has been developed. Copyright has been obtained (SW-17879/2023) on 19.12.23.
8.	Preclinical study of four antidiabetic formulations in high fat diet along with low dose of Streptozotocin induced diabetes in Wistar rats	12	Completed under CoE	Under Publication.
9.	Evaluation of bio-availability of Varadi and Mustadighnavati in healthy volunteers – A cross-over randomized clinical trial	120	Ongoing under CoE	Enrolment completed. Analysis in progress.
10.	Occurrence of diabetic peripheral neuropathy and its relationship with Prakriti among type-2	400	Ongoing under CoE	Enrolment completed. Analysis in progress.
11.	Evaluation of two ready-to-cook dietary supplements for its anti-	78	Ongoing under CoE	Screened-116 Enrolled-74

	diabetic property in patients of type-2 diabetes mellitus -A Randomized control trial			Completed-35 Dropped out-09 Continuing-30
12.	Safety and efficacy of Mustadighanavati and Varadi ghanavati in Madhumeha/ type-2 diabetes mellitus: An open labelled randomized controlled active comparator (Metformin) Phase-II study.	120	Ongoing under CoE	Screened-69 Enrolled-52 Completed-01 Dropped out-08 Continuing-43
Other Projects funded by Govt. of India under grant-in-aid scheme				
1.	National Pharmacovigilance Program (From AIIA, New Delhi)	-	Ongoing	Total Misleading Advertisements Reported: 101 ADR Reported: 12 CME Conducted /Awareness Program Conducted: 22 Participation in CME as resource persons: 03 Training participation: 03 Articles published: 01 Article accepted: 01
2.	Ayurveda Sciences Incubation Centre (ASIC)	To support 20 startups in 5 years	Ongoing	Draft documents prepared and sent to hqrs for approval
3.	Evaluation of Triphala as an Add-on Intervention for Sustained Weight Loss in Overweight and Obesity: A Randomized Placebo-Controlled Clinical Trial	127	Ongoing	IEC approval taken. Trial drug awaited.
4.	A Randomized active comparator controlled clinical trial of selected Ayurvedic formulations in Pre-Diabetes and Type 2 Diabetes (CoE IISc)	target 324	Ongoing	Enrolled-186 Completed-00 Dropped out-00 Continuing-186
Research project proposals approved by PEMC/To Be initiated				
1.	Safety, Efficacy, Acceptability & Tolerability of Maggot Debridement Therapy in Madhumehajanya Vrana w.s.r. to Diabetic Foot Ulcer: A Randomized Controlled Pilot Clinical Trial			
2.	A Clinical Consensus study for developing the practice guidelines and Standardization of Tarpana & Putapaka with a Feasibility study in Myopia			

3.	Survey and Documentation on Netra Kriyakalpa among registered Ayurveda practitioners across India
4.	Safety & Efficacy of Integrative Ayurvedic Intervention in the management of Mild Cognitive Impairment (MCI) (Smritibhramsa)-A Randomized Controlled Clinical Trial
5.	Medico Ethno Botanical Survey of Nallamala forests located in the states of Andhra Pradesh and Telangana
Research project proposals/concept note submitted	
1.	Evaluation of efficacy of usual care Ayurveda interventions and treatment as usual in elderly participants with knee Osteoarthritis for improving functionality and quality of life - Pragmatic trial
2.	Evaluating Safety and Efficacy of Integrative Ayurveda and Yoga Intervention as add-on therapy in Geriatric depression
3.	Evaluation of Effect of Ayurvedic Interventions in the Management of Refractive changes Associated with Diabetes: A Randomized Double Blinded Placebo Controlled Clinical Trial
4.	A Clinical Study to assess the safety and efficacy of 'Vayasthapana Gana' Ghana Vati on Ageing
5.	Prospective clinical trial to assess the efficacy, compatibility, and tolerability of Millets in Samsarjana Project
6.	A Randomized clinical study to evaluate the safety and efficacy of AYUSH-82 Ayurvedic formulation on non-Chronic Type 2 Diabetes Mellitus and its Bio-Molecular evaluation
7.	A prospective randomized double blind clinical trial to assess the efficacy and safety of <i>Arjunarista</i> and <i>Navakaguggulu</i> in Dyslipidemia as a preventive measure for vascular disorders
8.	Randomized Controlled Trial to evaluate the efficacy of Gandha Thaila and Kukkutandatvak Bhasma as add on to standard care in the management of Osteopenia/Osteoporosis (Submitted to ICMR)
9.	A Study on the effect of 'Achara Rasayana' and 'AmalakiRasayana' on enhancing Behavioral and Immunological Health" through Ayurvedic holistic approach (IKS)
10.	Development of Quality Standards for Useful Parts of Selected Medicinal Plants of Ayurveda

6. Brief details of Publications/Participation/Research Projects

Sl. No.	Particulars	Number
1.	Research papers published	15
2.	Research papers communicated	23
3.	Scientific presentations/participations	108
4.	Research projects ongoing	26
5.	Research projects completed	06
6.	Research projects to be initiated	05
7.	Research project proposals/concept note submitted	10