

**GOVERNMENT OF INDIA
MINISTRY OF AYUSH**

**RAJYA SABHA
STARRED QUESTION No. 152
TO BE ANSWERED ON 10.12.2024**

National Ayush Mission

152 # Shri Tejveer Singh:

Will the Minister of *Ayush* be pleased to state:

- (a) the new schemes and policies recently implemented by the Ministry under the National Ayush Mission for improving public health;
- (b) the steps taken by the Ministry to promote Ayurveda, Yoga and Naturopathy, events organized at national and international level in this regard; and
- (c) the details of the collaborative efforts made and new projects undertaken by the Ministry to promote research and development in AYUSH sector?

ANSWER

**THE MINISTER OF STATE (IC) OF THE MINISTRY OF AYUSH
(SHRI PRATAPRAO JADHAV)**

- (a) to (c) A Statement is laid on the Table of the House.

The Statement referred in reply to Rajya Sabha Starred Question No. 152 for 10.12.2024

(a) Ministry of Ayush is implementing the Centrally Sponsored Scheme of National Ayush Mission (NAM) since 2014 through State/UT Governments and supporting their efforts for overall development and promotion of Ayush system in the country by providing financial assistance under different activities as per provision of NAM guidelines against the proposals received through State Annual Action Plans (SAAPs). During 2019-20, the Union Cabinet has approved the proposal to operationalize 12,500 Ayush Health & Wellness Centres (AHWCs) now renamed as Ayushman Arogya Mandir (Ayush) through States/UTs under broad umbrella of Centrally Sponsored Scheme of NAM to provide Ayush based Primary Health Care by upgrading existing Ayush dispensaries and Sub Health Centres. Further, the following 08 new Ayush Public Health programmes have been introduced during 2021-22 in the NAM guidelines for implementation through State/UT Governments for providing health care to the different sectors of the community up to grass root level by various Ayush interventions.

- (i) National Program for Prevention and Management of Osteoarthritis & other Musculoskeletal Disorders
- (ii) Integration of Ayush with the National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular Diseases and Stroke (NPCDCS)
- (iii) Supraja: Ayush Maternal & Neo-natal Intervention
- (iv) Vayo Mitra: Ayush Geriatric Healthcare Services
- (v) Ayurvediya: Healthy lifestyle through Ayush for School Children
- (vi) Ayush Mobile Medical Unit
- (vii) Karunya: Ayush Palliative Services
- (viii) National Programme on Ayush for Morbidity Management and Disability Prevention (MMDP) of Lymphatic Filariasis (Lymphoedema)

(b) The Ministry implements the Central Sector Scheme for Promotion of Information Education and Communication (IEC) in Ayush to create awareness regarding Ayush Systems of Medicine including Ayurveda, Yoga & Naturopathy. This aims to reach out to all sections of the population across the country. This scheme provides assistance for organizing National/State Arogya Fairs, Yoga Fests/Utsavs, Ayurveda Parvs, etc.

The Ministry of Ayush also implements a Central Sector Scheme for Promotion of International Co-operation in Ayush under which various activities/initiatives has been undertaken for the promotion, propagation & to disseminate Ayush system of medicine globally i.e. offering Ayush scholarships to foreign nationals for undertaking Ayush courses in recognized Ayush institutions in India; collaboration with Foreign Countries by signing of country level Memorandum of Understanding (MoU) for undertaking Ayush related activities on mutual interest; signing of MoUs with foreign institute for research/academic collaboration; establishment of Ayush Chairs in Foreign Universities/Institutes; deputation of Ayush expert (short term/long term); collaboration with World Health Organization (WHO) or United Nations (UN) agencies for cooperation in the field of Ayush, support or organizing international training; conference, seminar, expo etc. in India or abroad for promoting and strengthening awareness and interest about Ayush Systems of Medicine at international level; establishment of Ayush cell (center) in foreign countries to provide authentic information about Ayush system; representing Ayush in various multilateral forums like- Brazil, Russia, India, China and South Africa (BRICS), Shanghai Cooperation Organisation (SCO), G20, India, Brazil and South Africa (IBSA), Association of Southeast Asian

Nations (ASEAN), Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC) etc.

Furthermore, Central Council for Research in Ayurvedic Sciences (CCRAS), an autonomous organization of Ministry of Ayush, through its Information Education and Communication (IEC) Activities, has been engaged in popularizing the Ayurveda system among the masses through electronic and print media for common people in English, Hindi, and regional languages, which are widely distributed through National/State level Arogya melas, Health camps, exhibitions, expos, various activities related to Azadi ka Amrit Mahotsav 2.0 (AKAM 2.0), International year of millets etc. and also through CCRAS outreach programs viz. Schedule Caste Sub Plan (SCSP) Research Program, Tribal Health Care Research Program (THCRP) etc., in different States of the country through its robust 30 peripheral institutes. Further, Council website is also generally embodied with information on Ayurveda and hyperlinked with other important websites that provide information for wider utility.

The Council has three journals named Journal of Drug Research in Ayurvedic Sciences (JDRAS), Journal of Research in Ayurvedic Sciences (JRAS), and Journal of Indian Medical Heritage (JIMH) which is also available electronically in the public domain free of cost to enable dissemination of the outcomes of research among the public. So far, the Council has published about 409 books, monographs, and technical reports, and they are being sold or distributed to disseminate research outcomes and merits of Ayurveda at large.

Ministry of Ayush promotes Yoga and Naturopathy in the country through its three autonomous bodies namely Morarji Desai National Institute of Yoga (MDNIY), New Delhi, Central Council for Research in Yoga & Naturopathy (CCRYN), New Delhi and National Institute of Naturopathy (NIN), Pune. MDNIY provides various courses for Yoga Education. CCRYN is the apex body for research and development in the Yoga and Naturopathy systems. NIN, a premier institute for Naturopathy organizes various activities related to Naturopathy and Yoga.

The activities and programs of MDNIY, CCRYN and NIN are available on the websites i.e. yogamdniy.nic.in, www.ccryn.gov.in and ninpune.ayush.gov.in respectively. Also, Ministry of Ayush has established a Yoga Certification Board (YCB) for the certification of Yoga professionals and the accreditation of Institutions under various categories.

Ministry of Ayush is the nodal Ministry for observation of the International Day of Yoga (IDY) every year. IDY observation is focused on a Mass Yoga demonstration based on Common Yoga Protocol (CYP) which is publicly available on the Yoga Portal (yoga.ayush.gov.in). The tenth International Day of Yoga (IDY) was celebrated across the world on June 21, 2024, with the objective of highlighting the importance of yoga in serving humanity. This year's IDY theme was 'Yoga for Self and Society'. Several IDY countdown events were organized across India, mainly, a 100-day-to-IDY event was held at Vigyan Bhavan in New Delhi, a 75-day-to-IDY event was held in Pune, Maharashtra, a 50-day-to-IDY event was held in Surat, Gujarat, and a 25-day-to-IDY event was held in Bodh Gaya, Bihar. The main event of the International Day of Yoga took place in Srinagar, Jammu & Kashmir, and was led by the Hon'ble Prime Minister, Shri Narendra Modi. Indian missions abroad also organized numerous IDY programs.

The following major events are being organized at National and International level every year:

- (i) Celebration of International Day of Yoga on 21st June.

- (ii) Celebration of Ayurveda Day on the occasion of Dhanwantari Jayanti (Dhanteras)
- (iii) Celebration of National Naturopathy Day on 18 November.
- (c) Ministry of Ayush, Government of India has set up Central Council for Research in Ayurvedic Sciences (CCRAS), Central Council for Research in Siddha (CCRS), Central Council for Research in Homoeopathy (CCRH) and Central Council for Research in Unani (CCRUM) for undertaking, coordinating, formulating, developing and promoting research on scientific lines in Ayush systems.

At present, 97 collaborative projects are ongoing in the CCRAS with 85 institutes such as Council of Scientific & Industrial Research (CSIR), Indian Council of Medical Research (ICMR), Indian Council of Agricultural Research (ICAR), Indian Institute of Technology (IIT), National Institute of Pharmaceutical Education & Research (NIPER), Defence Research and Development Organisation (DRDO), Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), various colleges and universities, premier hospitals such as Dr. Ram Manohar Lohia Hospital, National Institute of Mental Health and Neuro Sciences (NIMHANS), All India Institute of Medical Sciences (AIIMS) etc. The details of the projects is furnished at **Annexure-I**.

CCRS has undertaken Intra Mural Research (IMR) collaborative projects with various reputed institutes, which are furnished at **Annexure-II**.

The details of collaborations and new projects undertaken by CCRH is furnished at **Annexure-III**.

CCRUM has signed Memorandum of Understanding (MoU) with 25 State-of-Art academic institutions for collaborative projects. A total number of 60 collaborative projects have been undertaken by the Council at present.

List of collaborative projects of CCRAS

Sl. No.	Area of Research	Project Title	CCRAS Institute	Collaborating Institute
1.	Clinical Research	A phase II trial to study efficacy, toxicity and immunomodulatory effect of Carctol-S in high grade serous epithelial ovarian cancer at first serological relapse collaborative project.	RRAP-CARI Mumbai	Tata Memorial Hospital, ACTREC
2.	Clinical Research	Randomized double blind placebo controlled clinical study Ayurvedic coded drug AYUSH-A in the management of Bronchial Asthma (Tamaka Shwasa)	CARI-Delhi	AIIMS, New Delhi
3.	Clinical Research	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	CARI-Bengaluru	Kaher's JN Medical College, Belagavi through KAHER'S Shri BM Kankanwadi Ayurveda Mahavidyalaya, Belagavi
4.	Clinical Research	Study the physiological basis and gut bacterial modulation induced by Virechana Purgation therapy in the healthy adults: A prospective longitudinal study.	CARI, New Delhi	ILBS, New Delhi AIIA, New Delhi
5.	Clinical Research	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)	CARI, Bengaluru	NIMHANS, Bengaluru
6.	Clinical Research	Double blind randomized placebo controlled multicentric clinical trial of Ayush M-3 in the management of Migraine.	CARI, New Delhi	RML, Hospital NIMHANS, Bangalore
7.	Clinical Research	Evaluation of Ayush-GMH in the subjects of mild to moderate Non alcoholic fatty liver disease (NAFLD)- A double blind randomized control clinical study	CARI-Bengaluru	NITM-ICMR KAHER Shri BMK Ayurveda Mahavidyalaya, Belagavi
8.	Clinical Research	A randomized trial to evaluate the efficacy of multimodal Ayurveda interventions in Jannu Sandhigatavata (Primary Knee - osteoarthritis)	CARI, New Delhi	AIIMS, New Delhi
9.	Clinical	A double blind, double dummy	CARI,	AVP

	Research	prospective randomized controlled study to evaluate the efficacy of classical Ayurveda management versus Methotrexate in Rheumatoid Arthritis.	Bengaluru CARI, Mumbai	Foundation, Coimbatore CARI, Mumbai
10.	Clinical Research	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.	CARI Bengaluru	NIMHANS, Bengaluru
11.	Clinical Research	A Randomized Controlled Study to Assess the Effect of Marsha Nasya Karma in Motor, Sensory, Memory and Cognitive Parameters elicited through f - MRI in Apparently Healthy Individuals	NARIP Cheruthuruthy	AIMS, Kochi
12.	Clinical Research	Efficacy and safety of Ayurveda Formulation Trikatu as add on to standard care in Dyslipidemia - a randomized controlled trial	CARI, Bhubaneswar	AIIMS, Bhubaneswar
13.	Clinical Research	Morbidity and Healthcare-seeking behaviour of the patients visiting the Ayurveda healthcare facilities of the DGAFMS Hospitals: A multicentre cross-sectional survey study	RARI, Lucknow RARI, Jaipur CARI, Kolkata CARI, Bengaluru CARI, New Delhi RARI, Pune	Command hospital (Central Command), Lucknow Military Hospital, Jaipur Command Hospital Kolkata a Command Hospital, Bengaluru Air force Hospital Hindon Base Hospital New Delhi through CARI, New Delhi Command Hospital Pune
14.	Clinical Research	Efficacy of Ayurveda regimen (mild purgation and internal oleation) in comparison with Allopathic regimen (Letrozole) along with Yoga module in the management of unexplained and anovulatory female infertility: A RCT	RARI, Mandi	Shri Lal Bahadur Shastri Govt. Medical College & Hospital, Nerchowk, Mandi, HP IKS Centre, Indian Institute of Technology, Kamand, Mandi, HP
15.	Clinical Research	Clinical evaluation of Ayurvedic management in Allergic Rhinitis- A	CARI, New Delhi	Safdarjung Hospital, New Delhi

		Randomized controlled Trial		
16.	Clinical Research	Topical Oil Pooling (Karnapurana) with Kshirabala Taila and supplementation of Ashwagandha churna (TOPMAC) in presbycusis - An exploratory randomized controlled trial	NARIP, Cheruthuruthy	Institute for Communicative and Cognitive Neuro Sciences, Shoranur, Govt. of Kerala
17.	Clinical Research	Prospective, Randomized, Open-Label, Blinded End Point exploratory clinical study to evaluate the efficacy and safety of Ayurvedic regimen as an adjunct to Hydroxyurea in the management of Sick cell disease.	RARI, Gwalior	AIIMS, Bhopal
18.	Clinical Research	A multi-center study to assess the treatment adherence & tolerability of Ayush SR in Generalized Anxiety Disorder (GAD)	CARI, Bengaluru	Shri B.M. Kankanawadi Ayurveda Mahavidyalaya Vaidyaratnam PS Varier Ayurveda College Sri Sri College of Ayurvedic Science and Research Adichunchanagiri Ayurvedic Medical College
19.	Clinical Research	Treatment Adherence, Tolerability and Safety of Ayurveda Therapeutic Regimen in the Management of Primary Knee Osteoarthritis: An OPD-Based Study	RARI, Nagpur	Bharati Ayurveda Vidyapeeth (Deemed to University) College of Ayurved, Pune Government Akhandanand Ayurved College, Ahmedabad Mahatma Gandhi Ayurved College Hospital & Research Centre, Salod (H) Wardha Maharashtra University of Health Sciences, Nashik
20.	Clinical Research	Clinical study on treatment tolerability, medication adherence and safety of Ayurvedic formulations in the management of Dyslipidemia	RARI, Gwalior	Shri Dhanwantry Ayurvedic College & Hospital (SDAC&H), Chandigarh Desh Bhagat Ayurvedic College & Hospital (DBAC&H),

				Mandi Gobindgarh, Government Autonomous Ayurved College (GAAC), Pushraj Nagar, Rewa Dr. D. Y. Patil College of Ayurved and Research Centre (DDYPCARC), Pune
21.	Clinical Research	Treatment tolerability, medication adherence and safety of Ayurvedic formulations in the management of psoriasis – An open label single arm study -	RARI- Thiruvananthapuram	Vaidyaratnam Ayurveda College, Ollur Government Ayurveda College, Kannur Vaidyaratnam PS Varier Ayurveda College, Kottakkal Pankajakasthuri Ayurveda Medical college Thiruvananthapuram
22.	Clinical Research	Treatment Adherence, Tolerability and Safety of Ayurveda Therapeutic Regimen in the management of Primary Knee Osteoarthritis: An OPD- based study – RARI, Thiruvananthapuram	NARIP, Cheruthuruthy	Sri Dharamshala Manjunatheshwar a college of Ayurveda & Hospital Hassan, Karnataka (Sri Dharamshala Manjunatheshwar a college of Ayurveda, Laxminarayana Nagara, Kuthpady, Udupi Sri Jayendra Saraswathi Ayurveda College & Hospital(Dept. of Ayurveda of (SCSVMV), Nasarathpet, Poonamali, Chennai Yenepoya Ayurveda Medical College & Hospital Naringana, Deralakatte Mangaluru, Dakshina Kannada, Karnataka
23.	Clinical	Treatment Adherence, Tolerability and	CARI,	Uttarakhand

	Research	Safety of Ayurveda Therapeutic Regimen in the Management of Primary Knee Osteoarthritis: An OPD-Based Study – CARI, New Delhi.	Delhi	Ayurveda University, Gurukul Campus, Haridwar Rajiv Gandhi Govt. Post Graduate Ayurvedic College and Hospital Paprola Parul Institute of Ayurved, Parul University, Vadodara Faculty of Ayurveda, IMS, BHU, Varanasi
24.	Clinical Research	Impact of Mukta Shukti Bhasma and Saubhagya Shunti in reversal of bone mineral density among Lactating women consuming traditional diet foods in Maharashtra: A randomized Controlled preliminary clinical study	CARI, Mumbai	ICMR-NIRRH, Mumbai
25.	Clinical Research	Tolerability, treatment adherence and safety of Punarnavadi Mandura in the management of Iron Deficiency Anemia: An open label single arm study (RARI, Jaipur)	RARI, Jaipur	Maharashtra University of Health Sciences, Nashik Yashwant Ayurvedic College, P.G.T. & R.C., Kodoli Parul Institute of Ayurved and Research, Vadodara Hon. Shri. Annasaheb Dange Ayurved Medical College, Post Graduate Research Centre, Sangli, Maharashtra, India
26.	Clinical Research	Efficacy of Ayurveda interventions (Hridyarnava Rasa and Harityakyadi yoga) as an add-on to standard care in Stable Coronary Artery Disease (CAD) assessed through Global Longitudinal Strain Imaging Technique (GLSIT) - A Randomized Controlled Trial.	CARI, Mumbai	Madhavbaug Cardiac Care Clinic and Hospital, Khalapur, Maharashtra
27.	Clinical Research	Treatment adherence, Tolerability and safety of Ayurveda therapeutic regimen in the management of Rheumatoid Arthritis (RA): An open level, OPD-based, multi-center study.	RARI, Patna	Ayurvedic & Unani Tibbia College & Hospital, New Delhi Pt. Kushilal Sharma Govt. Ayurveda College & Institute, Bhopal Tilak Ayurveda

				Mahavidyalaya, Pune Sri Kalabyraveswaram Ayurvedic Medical College, Hospital & Research Center, Bangalore
28.	Clinical Research	Prospective double blind randomized controlled clinical study on Ayurvedic intervention (Pushkar guggulu & Haritaki churna) in the management of stable coronary artery disease.	CARI, New Delhi	VMMC & Safdarjung Hospital, New Delhi
29.	Clinical Research	Tolerability, treatment adherence and safety of an Ayurvedic intervention - Dhatri Lauha in the management of Iron Deficiency Anemia: An open label single arm clinical study.	CARI, New Delhi	Ch. Brahm Prakash Ayurved Charak Sansthan, Khera Dabar, (CBPACS), Najafgarh, New Delhi MSM Institute of Ayurved, BPS Mahila Vishwavidyalaya, Khanpur, Sonapat, Haryana Rajiv Gandhi govt. Post Graduate Ayurvedic college and Hospital (RGGPGAC & H) Paprola Shubdeep Ayurved Medical College & Hospital, (SAMC & H), Indore
30.	Clinical Research	“Efficacy and safety of Punarnavadi Mandura alone and in combination with Drakshavaleha compared to iron folic acid in the treatment of moderate iron deficiency anaemia among non-pregnant women of reproductive age group”: a community-based three-arm multicenter randomized controlled trial	CCRAS Hqrs	ICMR Hqrs
31.	Clinical Research	Mission Utkarsh (anaemia control among adolescent girls (14-18 years) through Ayurveda interventions viz., Punarnavadi Mandoor and Drakshavaleha)	CCRAS Hqrs	Ministry of WCD

32.	Public Health Research	“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)”.	CCRAS Hqrs	ICMR-National Institute of Research in Tribal Health, Jabalpur,
33.	Policy research	Entrepreneurship in Ayush Industry: Management and Commercialization Principals in Ayush Product and Services	CARI Delhi	Jawaharlal Nehru University, New Delhi
34.	Fundamental Research	Exploring the Role of Prakriti in Host-Pathogen Interactions	RARI Lucknow CARI Bhubaneswar NARIP Cheruthurthy RRAP CARI Mumbai Coordinating institute- CARI Delhi	Jawaharlal Nehru University, New Delhi
35.	Fundamental Research	Elucidating Mitochondrial function by profiling of mito-nuclear gene variations towards understanding the molecular basis of Ayurvedic Prakriti: A determinant of health and longevity	CARI, Bhubaneswar	ICMR-RMRC, Bhubaneswar
36.	Fundamental Research	Study of association between prakriti and outcomes of early and locally advanced breast cancer	RRAP CARI, Mumbai	ACTREC-Tata Memorial Centre, Mumbai
37.	Fundamental Research	Standardization, Scientific validation and automation of Taila Bindu Pariksha-an ancient prognostic tool IMS Faculty of Ayurveda	RARI, Lucknow	Department of Vikriti Vigyan, Faculty of Ayurveda, Institute of Medical of Medical Sciences, Banaras Hindu University (BHU),
38.	Fundamental Research	Understanding prakriti and its Inheritance Pattern in health and Predominant Disease Predisposition from a Regional perspective- a genetic and epigenetic study	RARI, TVM	Rajeev Gandhi Centre for Biotechnology, Thiruvananthapuram
39.	Fundamental Research	Systems Biology approach to delineate molecular signatures of Prakriti in healthy humans	NARIP, Cheruthurthy CARI, Bhubaneswar	JNU New Delhi, ICGEB New Delhi, TDU Bengaluru

			CARI, Patiala CARI, Mumbai RARI, Lucknow CARI, Guwahati RARI, Gangtok Coordinatin g institute- CARI Bengaluru, CARI Delhi	
40.	Medicinal Plant Research	Plant Diversity Database of Selected Ayurvedic Medicinal Plant Species from Medicinal Plants Garden of RARI, Pune.	RARI, Pune & CARI, Jhansi	JNU, New Delhi
41.	Medicinal Plant Research	Characterization of important Ayurvedic Medicinal Plants through DNA Barcoding.	CARI, Jhansi	ICAR-IARI, New Delhi
42.	Medicinal Plant Research	Identification of adulterants/substitutes for Ayurveda plant raw material in trade using pharmacognostic and phytochemical parameters.	CARI, Jhansi	NBRI, Lucknow
43.	Medicinal Plant Research	A comparative study on hydroponic and field cultivated medicinal plants used in Ayurveda.	CARI, Jhansi	BHU, Varanasi
44.	Medicinal Plant Research	Comparative evaluation of field and hydroponic cultivation of selected Ayurvedic medicinal plants.	CARI, Bengaluru	ICAR, IIHR, Bengaluru
45.	Medicinal Plant Research	Study of seasonal variation on bioactive compounds of Panchavalkal-05 medicinal plants used in Ayurveda.	CARI, Bengaluru	GKVK, Bengaluru
46.	Medicinal Plant Research	In vitro propagation and genetic stability studies of <i>Ipomoea mauritiana</i> Jacq. -a Rare medicinal plant.	NARIP, Cheruthuruthy	Sree Neelakanta Government Sanskrit College, Pattambi, Palakkad, Kerala
47.	Medicinal Plant Research	Standardisation of agro-techniques and nursery protocol or <i>Centratherum anthelminthicum</i> (L.) Kuntze. ex Gamble.	RARI, port Blair	ICAR-CIARI, port Blair
48.	Medicinal Plant Research	Development of Quality Standards of <i>Elsholtzia</i> Species and Assessment of Efficacy in Gastric Inflammatory Conditions (in-vitro and in-vivo	RARC, Dimapur	NIPER, Guwahati

		models)		
49.	Medicinal Plant Research	Development of Agro-techniques for selected Astavarga plants.	RARI Gangtok	G.B. Pant National Institute of Himalayan Environment, Gangtok
50.	Phytochemistry and Drug Standardization	Collaborative Project with IIT Indore & “Assessment of AYUSH-64 and Ayush Kwath to SARS-CoV-2 mutants on lung, liver and brain cells”.	RARI Gwalior	IIT Indore
51.	Phytochemistry and Drug Standardization	Profiling of phytochemicals in “Ayurvedic Medicinal Formulation” and understanding their aggregation behavior	CARI Jhansi	IIT Gandhinagar
52.	Pharmaceutical Research	Development of a device for efficient removal and recovery of heavy metals from the fumes of Rasa Ausadhies during its preparation	CARI, Jhansi	IIT, Delhi
53.	Pharmaceutical Research	Development of Metal-based Ayurvedic Formulation (MBAF) for the treatment of Acute Promyelocytic Leukemia (APML)	RARI, Ranikhet	Shasi Chandra Rasashala, Shikrora, Bilaspur, UP
54.	Pharmaceutical Research	Documentation of Traditional Food Recipes of Karnataka and their Validation with Ayurveda and Nutritional Perspective	CARI, Bengaluru	Trans-Disciplinary University (TDU), Bengaluru, Karnataka
55.	Pharmaceutical Research	Formulation and product development of Ayurveda recipes and nutritional evaluation of selected products.	CARI, Bengaluru	Central Food Technological Research Institute (CFTRI), Mysore, Karnataka
56.	Pharmacology	Evaluation of hepatoprotective efficacy and underlying molecular mechanism of Ayurvedic formulations, AYUSH-PKT & AYUSH-GMH in experimental animal models of alcoholic and non-alcoholic fatty liver diseases: A pre-clinical study	Regional Ayurveda Research Institute, Gwalior	ILBS, New Delhi
57.	Pharmacology	Pre-clinical evaluation of Ayurvedic formulations against ionizing radiation-induced acute dermal injury in rats-implications in clinical study.	Regional Ayurveda Research Institute, Gwalior	INMAS New Delhi
58.	Pharmacology	Evaluation of drugs-cytochrome P450 enzyme interaction through fluorometric high throughput screening assays.	RARI, Pune	ICMR-NIRRH Mumbai
59.	Pharmacology	Mechanistic investigations on the	CARI,	IIT, Guwahati

		efficacy and mode of action of <i>Ashwagandha</i> and <i>YogarajGuggulu</i> , using a hybrid Proteomics-Cheminformatics-Network medicine approach for the treatment of Osteoarthritis	Kolkata	
60.	Pharmacology	Evaluation of Cytotoxicity, Pharmacokinetics, Anti-Cancer Activity, Detailed Molecular Mechanisms of BhallatakadiModaka in In Vitro (2D and 3D Culture) and in vivo Tumor Xenograft Models	CARI (Kolkata)	CSIR-IICB Kolkata
61.	Pharmacology	Toxicity Studies and Evaluation of Anti-inflammatory and Anti-arthritis activity of ShunthiGuggulu (TriphalaShodhita) in Rats	CARI, Guwahati	College of Veterinary Science, Guwahati
62.	Pharmacology	Deciphering pharmacodynamics of Ayurvedic formulations (AYUSH Manas, Amrit BhallatakaGhrita and JyotishmatiTaila) used in the Treatment of Neurodegenerative Diseases by Integrating Reverse Pharmacological Approaches.	CARI, Kolkata	NIPER, Guwahati
63.	Pharmacology	Understanding mechanistic role of Carctol-S as immunomodulatory and anticancer formulation against Ovarian Cancer	CARI, Mumbai	ACTREC, Mumbai.
64.	Pharmacology	Understanding mechanistic role of CARAF & CAGHE as immunomodulatory and anti-cancer compounds against pre-clinical models of Leukemia, Lymphoma, Melanoma, Lung and Breast cancer	CARI, Mumbai	ACTREC, Mumbai.
65.	Pharmacology	Anticancer potential and molecular mechanism of Rasa Sindhoor on Ovarian cancer cells	CARI, Kolkata	CSIR-IICB, Kolkata.
66.	Pharmacology	Pre-clinical development of Guduchi (<i>Tinospora cordifolia</i> (Thunb) Miers) stem through AYUSH route for adjunct therapy in tuberculosis to reduce anti-tubercular treatment (ATT) induced hepatotoxicity.	CARI, Jhansi	CSIR-IIIM- Jammu & CSIR-CDRI- Lucknow
67.	Pharmacology	Pre-clinical development of Amalaki (<i>Phyllanthus emblica</i> Linn.) fruit through AYUSH route as adjunct therapy in tuberculosis to reduce anti-tubercular treatment (ATT) induced hepatotoxicity.	CARI, Jhansi	CSIR-IIIM- Jammu & CSIR-CDRI- Lucknow
68.	Pharmacology	Pre-clinical development of Vasa (<i>Justicia adhatoda</i> Linn.) leaves	CARI, Jhansi	CSIR-IIIM- Jammu

		through AYUSH route as adjunct therapy in tuberculosis to reduce anti-tubercular treatment (ATT) induced hepatotoxicity.		& CSIR-CDRI- Lucknow
69.	Pharmacology	Pre-Clinical Study of Dhatri Lauha (A classical ayurvedic formulation) in Iron Deficiency Anaemia (Pandu Roga).	CARI, Jhansi	CSIR-IIIM- Jammu & CSIR-CDRI- Lucknow
70.	Pharmacology	Development of <i>Opuntia elatior</i> (fruit) based food recipes (product development) and its nutritional, toxicity, efficacy and bioavailability studies.	NIIMH, Hyderabad	ICMR-NIN, Hyderabad
71.	Pharmacology	Development of <i>Madhuca longifolia</i> (Flower) based food recipe (Product development) and its nutritional, toxicity, efficacy and bioavailability studies.	NIIMH, Hyderabad	ICMR-NIN, Hyderabad
72.	Pharmacology	Toxicity profile of Swaskuthar Rasa in experimental animals.	NARIP, Cheruthuruthy	CSIR-IITR, Lucknow
73.	Pharmacology	Toxicity profiling of Mrityunjaya rasa in experimental animals.	RARI, Gwalior	CSIR- IITR, Lucknow
74.	Pharmacology	Toxicity profile of Tribhuvanakirti Rasa in experimental animals.	CSMCARI, Chennai	CSIR-IITR, Lucknow
75.	Pharmacology	Toxicity profile of Rasamanikya Rasa in experimental animals.	CARI, Kolkata	CSIR-IITR, Lucknow
76.	Pharmacology	Preclinical study on efficacy, safety and toxicity of Swarna Prashan Regimen as Adjunct therapy in Pediatric Acute Lymphoblastic Leukemia.	CARI- Mumbai	ICMR-NIRRH, Mumbai
77.	Pharmacology	Aqueous and hydroalcoholic extraction of selected Anukta Dravya plants and evaluation of their therapeutic efficacy for various diseases.	CARI, Kolkata	Sambalpur University (SU), Odisha
78.	Pharmacology	Evaluation of anti-cancerous potential, <i>in-silico</i> pharmacological analysis and molecular mechanism of Kanchanarguggulu in ovarian cancer μ Tumor spheroids, and in <i>in vivo</i> models.	CARI, Kolkata	CSIR-IICB, Kolkata

79.	Pharmacology	Evaluation of the inhibition potential of ayurvedic drugs against cytochrome p450: Implications for drugs-drug Interaction.	CARI, Kolkata	NIPER Kolkata
80.	Pharmacology	Chemopreventive Effects of Opuntia elatior Fruits Against Chemotherapy-Induced Toxicity in Ovarian Cancer Pre-Clinical Models	CARI Kolkata	CSIR – IICB Kolkata
81.	Pharmacology	Evaluation of Neuroprotective potential of Brahmi Ghrita, PanchgavyaGhrita and Ayush 56 in epilepsy model, its functional significance and mechanism.	CARI Kolkata	CSIR – IICB Kolkata
82.	Pharmacology	Evaluation of Coded drug AyushRasayana B for treatment of high-altitude sickness using multi-dimensional drug discovery approach	CARI, Kolkata	IIT BHU, Varanasi
83.	Pharmacology	Preclinical Evaluation and the Molecular Mechanism of Ayush-64 against Non-Alcoholic Fatty Liver Disease (NAFLD) and Non-Alcoholic Steatohepatitis (NASH) in murine model	CARI, Kolkata	NIPER, Kolkata
84.	Pharmacology	Evaluation of effect of AYUSH M3 and Prabhakar vati on cardiovascular parameters.	CARI, Kolkata	CSIR-CDRI, Lucknow
85.	Pharmacology	Acute and Ninety days repeated dose (Sub-chronic) oral toxicity study of coded formulation Ayush-PTK.	CARI, Guwahati	College of Veterinary Science, Guwahati
86.	Pharmacology	Aqueous and ethanolic extraction of two promising extra-pharmacopoeial (AnuktaDravya) plants and evaluation of their anti-inflammatory and wound-healing activities.	CARI-Bhubaneswar	Siksha O Anusandhan Bhubaneswar
87.	Pharmacology	Standardization of Sustainable Medicinal Leech Farming Technology and Evaluating its Clinical Efficacy and Safety.	CARI-Bhubaneswar	ICAR-Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar
88.	Pharmacology	Cardio protective effect of PushkaraGuggulu on experimentally induced myocardial infarction in rats.	CSMCARI Chennai	Madras Veterinary College, Chennai
89.	Pharmacology	Assessment on the Role of Coded Drug Ayush PJ-7 and other Plants-Based Molecules/Drugs Against Matrix Metalloproteinases-Mediated Immunopathogenesis of Dengue Viral Disease and Establishment of Their Mechanisms of Actions	RARI Gwalior	ICMR- NIRTH Jabalpur
90.	Pharmacology	Elucidating mechanisms of anti-hyperglycemic activity of selected	CARI Bangalore	Bharati Vidyapeeth Deemed to be

		herbal formulations		University, Pune
91.	Pharmacology	Evaluation of Brahmi Ghrita in in-vitro and in-vivo models of Alzheimer's disease	NARIP, Cheruthuruthy	JSS College of Pharmacy, Ooty,
92.	Pharmacology	Assessment of Anti-aging, Antimutagenic and Cancer Chemoprevention potential of Swarna Bhasma in Drosophila melanogaster	RARI Pune & RRAP-CARI, Mumbai	SPPU, Pune
93.	Pharmacology	Evaluation of Neuroprotective and Antioxidant Effects of Vasantakusumakara rasa in a rat Model of Type II diabetes neuropathy	CARI-Guwahati	C.V.Sc., Guwahati
94.	Pharmacology	Targeting Antibiotic Resistant Gut Pathogen-Induced Acid Peptic Disease Through Selected Ayurvedic Formulations	CARI, Kolkata	IIT- Indore
95.	Literary Research	Preparation of e-Books of selected Nighantu of Ayurveda	CCRAS, Hqrs., New Delhi	Shri Narayan Prasad Awasthi Govt. Ayurved College Raipur – 492010, Chhattisgarh
96.	Literary Research	Insilico network pharmacology study of selected coded formulations of Central Council for Research in Ayurvedic Sciences	CARI, Jhansi	Centre for Development of Advanced Computing (CDAC), Pune
97.	Literary Research	Comprehensive collection of health-related references from Vedic Literature & Systematic Documentation of selected Vedic practices	NIIMH, Hyderabad	Tilak Maharashtra Vidyapeeth (TMV), Pune

Sl. No.	Title of project	Institutes collaborated
1.	Pre-clinical safety and efficacy of Nuna kaduga (Internal Medicine) and Nuna Thailam (External Medicine) in Venpadai (Vitiligo)	CCRS, Chennai & Sri Ramachandra Medical College & Research Institute
2.	In-process standardization of Velvanga Parpam (VP) - a classical Siddha drug and a pilot study to evaluate its safety and therapeutic efficacy in Madhumegam (type II Diabetes mellitus)	CCRS, Chennai & Mother Teresa Post Graduate & Research institute
3.	Toxicity and in-vivo efficacy studies of Nilavembu Kudineer	CCRS, Chennai & Sri Ramachandra Medical College & Research Institute, Chennai
4.	Development of Vali phenotype in rodents and zebrafish by dietary intervention-pilot study	CCRS, Chennai & NIS, Chennai
5.	Development of health flakes (SIDKAD), a Siddha Kayakarpam diet for diabetes and evaluating its anti-oxidant and anti-inflammatory activity.	CCRS, Chennai & ICMR-National Institute of Nutrition NIN, Telangana
6.	Study of Siddha Geopharmaceuticals – Process validation and structural characterization.	CCRS, Chennai & Presidency College, Chennai
7.	Mapping of <i>Varmam</i> points on a 3D virtual body and development of personalized virtual body simulator	CCRS, Chennai & IIT, Chennai
8.	Preclinical Evaluation of Poly Herbal Siddha Formulation KUJAVAA (Coded drug) for the Management of Valippu Noi (Epilepsy)	NIS, Chennai, SCRI, Chennai & CCRS, Chennai
9.	Effectiveness assessment of randomized open labelled Public health Intervention to check the effectiveness by weekly assessment of Siddha Iron and Folic acid supplements Vs current Iron and Folic acid supplements among adolescent schoolgirls in selected districts of Tamil Nadu”	DIM&H, Chennai & CCRS, Chennai
10.	Clinical trial to evaluate the safety and efficacy of Siddha medicine nandhimezhugu in stage 1 and 2 breast cancer patients	CCRS, Chennai & All India institute for Ayurvedha (AIIA), New Delhi

IMR collaborative projects undertaken by CCRS

New Collaborations of Central Council for Research in Homoeopathy.

Sl. No.	Collaborating institute
1.	SRM Institute of Science and Technology, Chennai
2.	University of Lucknow, Lucknow
3.	West Bengal University of Animal and Fishery Sciences, Kolkata
4.	National Institute of Pharmaceutical Education and Research, Kolkata
5.	Department of Medical Biochemistry, Dr. A.L.M Post Graduate Institute of Basic Medical Sciences, University of Madras, Taramani Campus, Chennai
6.	Sumandeep Vidyapeeth Deemed to be University
7.	CHETTINAD ACADEMY OF RESEARCH AND EDUCATION, TAMILNADU, (Deemed to be University)
8.	Vision Research Foundation (VRF), Chennai
9.	Calcutta Homeopathic medical college, West Bengal, Kolkata
10.	Sumandeep Vidyapeeth Deemed to be University, Vadodara, Gujarat
11.	Jawaharlal Nehru Homoeopathic medical college, Vadodara, Gujarat
12.	Autonomous State Medical College and Hospital, Firozabad
13.	BLDE (Deemed to be University), Karnataka
14.	Delhi Pharmaceutical Sciences and Research University, New Delhi
15.	K.L.E. Academy of Higher Education & Research (KAHER) Belgaon
16.	Vivekananda Yoga Anusandhana Samsthana (S-Vyasa), Kalluballu, Bengaluru
17.	Andhara Pradesh MedTech Zone Ltd (AMTZ), Visakhapatnam
18.	Biotechnology Research and Innovation Council (BRIC)-Institute of Life Sciences, Bhubaneswar
19.	Utkal University, Bhubaneswar
20.	National Cancer Institute-AIIMS and Department of Bio-Technology
21.	All India Institute of Medical Sciences, New Delhi
22.	Manipal Institute of Virology, Manipal Institute of Higher education
23.	ICMR-National Institute for Research in Tuberculosis
24.	Department of Zoology, University of Delhi
25.	Department of Chemistry, University of Delhi
26.	National Institute of Mental Health and Neurosciences
27.	Indian Institute of Technology Indore
28.	Indian Institute of Technology Kharagpur
29.	Indian Institute of Engineering Science and Technology - Shibpur, Howrah
30.	JIS University, Kolkata
31.	Gujarat Homoeopathic Medical College and Hospital, Savli
32.	Dr. V. H. Dave Homoeopathic Medical College and Hospital, Anand
33.	Amity University, Uttar Pradesh
34.	Safdarjung Hospital, New Delhi
35.	National Commission for Homoeopathy
36.	Society for promotion of youth and masses (SPYM) (4 units- Vasant Kunj, Chandigarh, Kotla Kotla Mubarakpur, Darjeeling)

New project undertaken by Central Council for Research in Homoeopathy during the period 1st January 2024 till date.

Sl. No.	Title of the project
1.	Testing the Efficacy and Molecular Impact of the Homoeopathic Preparations on the NRF2/KEAP 1 Pathway in the Kidneys of Rats Modeled with Diabetic Nephropathy
2.	Efficacy of Homoeopathic intervention Nanocurcumin in preventing malaria fever - cluster randomized, double blind, placebo-controlled trial
3.	Effectiveness of Homoeopathic Intervention Glonoine 30 in Preventing Heat related illnesses: A Cluster-randomized, Double-Blind, Parallel Arm, Placebo-Controlled Trial
4.	Effectiveness of Adjuvant Homoeopathy in Management of HIV: a Randomized, Double-blind, Parallel Arm, Placebo-controlled Trial
5.	Homoeopathic modulation of the reciprocity between pro-inflammatory and anti-inflammatory cytokines to create an altered state of homeostasis in the people living with HIV [PLH]
6.	Evaluating the potential role of homeopathic medicines in a cellular model of cerebral palsy in vitro
7.	Homeopathic formulation of crotalus horridus venom for the therapeutic reduction of vascular permeability in haemorrhagic stroke as found in dengue fever
8.	A pilot study evaluating role of Homoeopathic medicine in Lung Cancer patients as adjuvant treatment to chemotherapy/radiotherapy, and correlating with Molecular Markers
9.	Management of Otitis Externa in Dogs with homoeopathic intervention vs the standard treatment - single blind, double arm, randomized control trial
10.	Toxicity studies of Homoeopathic drugs
11.	Long-term safety study- Extension to the RCT (Study titled 'Immunological responses of <i>Arsenicum album 30C</i> to combat COVID-19: A double-blind, randomized, placebo-controlled clinical trial in the Pathanamthitta district of Kerala' protocol v2.3 dated 11.01.2023)
12.	Identification of Homoeopathic formulations with anti-cervical cancer and anti HPV activity (Assessment of <i>Berberis aquifolium</i> and <i>Berberis vulgaris</i>)
13.	Study of adsorption behaviour of active components in Homoeopathic medicines in nano scales material
14.	Evaluation and quantification of different trace elements in various Homoeopathy drugs and mother tinctures using synchrotron based x ray fluorescence
15.	Fourier transform infrared spectroscopic study in Homoeopathic potentized medicine and characterization, standardization and analysis of the imponderable medicines (<i>X- ray, Electricity, Magnetis polus australis</i>)
16.	Predefined Homoeopathic medicine vs conventional treatment in seborrheic dermatitis –Pilot RCT Unicentric study
17.	Effectiveness of individualized homoeopathic medicines in treatment of Temporomandibular Joint Dysfunction: a double-blind randomized feasibility trial
18.	Role of individualized Homoeopathic Medicine in the Management of Stress Among School Teachers of South Andaman District.
19.	Role of individualized homoeopathic medicine in sleep hygiene in the adolescent age group.
20.	A pilot observational study to assess effect of Homoeopathic medicines on Internet Gaming Disorder in children
21.	Efficacy of Individualized Homoeopathy in the Treatment of Moderate to Severe Allergic Rhinitis in comparison with Allopathy: A Multicentric, Randomized Controlled Trial
22.	Effectiveness of individualized homeopathic medicines in treatment of Acne vulgaris: Double blind, randomized, placebo- controlled, pilot study
23.	Efficacy of Individualized Homoeopathy Vs Conventional medications in the treatment of Ménière's disease- a triple-blinded randomized controlled clinical trial

24.	Comparative study of homoeopathic medicines and antihelminthics in cases of soil transmitted helminth infection in children : an open label randomized pilot trial.
25.	Public health program to assess the prevalence of Vitamin-D deficiency and its management with homoeopathic medicine
26.	Patient satisfaction at rural outreach medical camps OPD - a cross-sectional survey
27.	A Prospective Open Label Clinical Trial To Evaluate The Response Of Homeopathic Intervention In Plantar Fascitis Including Calcaneal Spur
28.	Effectiveness of Individualized Homoeopathic Therapy with counseling in Alcohol Use Disorder: A Double blind, Randomized, Placebo Controlled Trial.
29.	Effectiveness of Individualized Homoeopathic medicines with dialectical Behavior psychotherapy in the management of emotional dysregulation in Borderline Personality disorder- A Randomized controlled trial.
30.	Scope Of Homoeopathy In Hormonal Imbalances Of Adolescent Girls In Relation To Menstrual Disturbances - A Multi-Centric, Prospective, Single Arm, Observational Study
31.	Does homeopathic medicine <i>Lactuca virosa</i> have a galactagogue activity in lactating women? A Randomized, Placebo-Controlled, Double-Blind Study.
32.	Management of Chronic urticaria with homoeopathic intervention as an add on therapy versus placebo -A randomized controlled study
33.	A clinical study to evaluate the response of the Homoeopathic treatment in Chronic Venous diseases (CVD) in the lower limbs
34.	Efficacy of Individualized Homoeopathic Medicines As Standalone or As an Add on To Standard of Care on Symptom Profile of Hypothyroidism - An Open Label Feasibility Cohort Multiple Randomized Controlled Trial.
35.	Effectiveness of Individualised Homoeopathic Medicine in Cervical Lymphadenopathy in children- Pilot, Open label study
36.	Homoeopathic pathogenetic trial of coded drug: A multicentric, double blind, randomised, placebo-controlled trial (At Savli, Gujarat)
37.	Efficacy of Individualized Homoeopathy as an adjuvant to standard care in Cannabis and/or Opioid withdrawal syndrome and relapse assessment: A Double blind, Randomized, Placebo Controlled Trial.
