

**GOVERNMENT OF INDIA  
MINISTRY OF AYUSH**

**LOK SABHA  
UNSTARRED QUESTION NO.4643  
TO BE ANSWERED ON 28<sup>th</sup> MARCH, 2025**

**“Ayurvedic Research Centres”**

4643. Shri Navaskani K:

Will the Minister of AYUSH be pleased to state:

- (a) the number of Ayurvedic Research Centres (ARCs) established in the country, State/UTwise, including Tamil Nadu;
- (b) the details of ongoing clinical trials and research conducted in these Centres;
- (c) whether the Government has any plans to expand the network of ARCs and if so, the details thereof;
- (d) whether the Government has initiated any collaboration between Ayurvedic Research Centres and modern medical institutions to integrate Ayurveda into mainstream healthcare and if so, the details of such initiatives and their impact;
- (e) the steps taken by the Government to promote research on Ayurvedic medicines for chronic diseases like diabetes, cancer and cardiovascular diseases;
- (f) whether the Government has undertaken any initiatives to modernize and upgrade ARCs with advanced laboratory facilities and if so, the details thereof; and
- (g) if so, the total number of centres upgraded and the details of new technologies introduced?

**ANSWER**

**THE MINISTER OF STATE (I/C) OF THE MINISTRY OF AYUSH  
(SHRI PRATAPRAO JADHAV)**

- (a) The Ministry of Ayush, Government of India has set up the Central Council for Research in Ayurvedic Sciences (CCRAS), an autonomous organization for undertaking, coordinating, formulating, developing, and promoting research on scientific lines in Ayurvedic sciences. The research activities are carried out through its 30 Institutes/Centres located all over India and through collaborative studies with various Universities, Hospitals, and Institutes. The list of CCRAS Institutes / Centres established in the country including Tamil Nadu is given in **Annexure-I**.
- (b) The details of ongoing clinical trials and research conducted in these centres are given in **Annexure - II**.
- (c) There is no proposal to expand the network of Ayurvedic Research Centres (ARCs).

(d) The CCRAS has undertaken various research studies to examine the benefits and feasibility of integration of Ayurveda with modern system of medicine through the following research projects:-

- i) “Operational study to explore the feasibility of integrating Ayurveda with modern system of medicine in a tertiary care hospital (Safdarjung Hospital New Delhi) for the management of Osteoarthritis (Knee)”. The study is completed.
- ii) “Feasibility of introducing the Indian System of Medicine (Ayurveda) in the National Reproductive and Child Health services at the Primary Health Care (PHC) level” in Himachal Pradesh”. The study is completed.
- iii) “Integration of AYUSH systems in the National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular Diseases & Stroke (NPCDCS)”. The study is completed.
- iv) “Feasibility of introducing Ayurveda Intervention in Reproductive and Child Health (RCH) in PHCs of the Selected district (Gadchiroli) of Maharashtra (Effectiveness of Ayurvedic intervention for Ante-Natal care (Garbhini Paricharya) at Primary Health Care level: A Multi Centre Operational Study)”. The study is completed.

These integrative studies impact the generation of evidence base for integrated treatment protocols, improving health outcomes through a holistic approach, greater recognition of Ayurveda within mainstream healthcare, broader availability of Ayurvedic treatments in public health systems, and strengthened collaborations fostering new therapeutic possibilities.

(e) The details of steps taken to promote research on Ayurvedic medicines for chronic diseases like diabetes, cancer and cardiovascular diseases are as under:-

- 1) The CCRAS has undertaken safety and efficacy studies for various classical Ayurvedic preparations through Intramural Research (IMR) and Collaborative mode in various chronic conditions, the details of which are given in **Annexure III**.
- 2) The CCRAS has also developed drugs for prevalent Non-Communicable Diseases (NCDs) through a systematic process of Drug Development, viz. standardization, quality control, safety/ toxicity studies and clinical studies adopting prevalent guidelines in vogue as per requirement, , the details of which are given in **Annexure - IV**.
- 3) The outcome of the research have been published in reputed journals for wider dissemination.

(f)&(g) The Government has undertaken various initiatives to modernize and upgrade Ayurvedic Research Centres with advance laboratory facilities as detailed below:-

- 1) The CCRAS is putting maximum efforts into upgrading its Research Centres by obtaining accreditation and maintaining Quality Standards set by the National Accreditation Board of Healthcare Facilities (NABH) as well as by the National Accreditation Board for Laboratories, which are the constituent bodies of the Quality Council of India. **12 Research Centres** of the Council have obtained NABH accreditation while **07 Research Centres** of the Council have obtained the Entry Level Certification of the NABH. Besides, **16 Medical Laboratories** of the Council have obtained NABL-M(EL)T accreditation, and **05 Laboratories** of the Council have obtained NABL accreditation (ISO/IEC 17025:2017) under the testing and calibration categories. The details of the institutes are given in **Annexure-V**.
- 2) The CCRAS has pharmacology laboratories at six of its peripheral units viz. Captain Srinivasa Murthy Central Ayurveda Research Institute (CSMCARI), Chennai, Central Ayurveda Research Institute (CARI), Guwahati, Central Ayurveda Research Institute (CARI), Kolkata, National Ayurveda Research Institute for Panchakarma (NARIP), Cheruthuruthy, Regional Ayurveda Research Institute (RARI), Gwalior, Regional Ayurveda Research Institute (RARI), Pune.
- 3) Four of the pharmacology laboratories at CSMCARI-Chennai, CARI- Kolkata , NARIP- Cheruthuruthy and RARI - Gwalior have functional experimental animal faculties with Committee for Control and Supervision of Experiments on Animals (CCSEA) approval.
- 4) All the above laboratories have sufficient infrastructure/instruments for screening ayurvedic formulations with respect to their safety and major efficacy studies. Various sophisticated instruments as per the mandate of respective research centres have also been procured to modernize and upgrade Ayurveda Research Centres under Central Council for Research in Ayurvedic Sciences.

**State / UT wise list of CCRAS Research Institutes/Centres**

<b>S.No.</b>	<b>State/UT</b>	<b>Name of Institute/Centre</b>
1.	Andaman & Nicobar Islands	1) Regional Ayurveda Research Institute, Port Blair
2.	Andhra Pradesh	2) Regional Ayurveda Research Institute, Vijayawada
3.	Arunachal Pradesh	3) Regional Ayurveda Research Institute, Itanagar
4.	Assam	4) Central Ayurveda Research Institute, Guwahati
5.	Bihar	5) Regional Ayurveda Research Institute, Patna
6.	Delhi	6) Central Ayurveda Research Institute, New Delhi
7.	Goa	7) Regional Ayurveda Research Institute for Mineral and Marine Medicinal Resources, Goa
8.	Gujarat	8) Regional Ayurveda Research Institute, Ahmedabad
9.	Himachal Pradesh	9) Regional Ayurveda Research Institute, Mandi
10.	Jammu& Kashmir	10) Regional Ayurveda Research Institute, Jammu
11.	Karnataka	11) Central Ayurveda Research Institute, Bengaluru
12.	Kerala	12) National Ayurveda Research Institute for Panchakarma, Cheruthuruthy
		13) Regional Ayurveda Research Institute, Thiruvananthapuram
13.	Madhya Pradesh	14) Regional Ayurveda Research Institute, Gwalior
14.	Maharashtra	15) Raja Ramdeo Anandilal Podar (RRAP) Central Ayurveda Research Institute, Mumbai
		16) Regional Ayurveda Research Institute, Nagpur
		17) Regional Ayurveda Research Institute, Pune
15.	Nagaland	18) Regional Ayurveda Research Centre, Dimapur, Nagaland
16.	Odisha	19) Central Ayurveda Research Institute, Bhubaneswar
17.	Punjab	20) Central Ayurveda Research Institute, Patiala
18.	Rajasthan	21) M.S. Regional Ayurveda Research Institute, Jaipur
19.	Sikkim	22) Regional Ayurveda Research Institute, Gangtok
20.	Tamil Nadu	23) Captain Srinivasa Murthy Central Ayurveda Research Institute, Chennai
		24) Dr. Achanta Lakshmipati Regional Ayurveda Research Institute, Chennai
21.	Telangana	25) National Centre of Indian Medical Heritage, Hyderabad
22.	Tripura	26) Regional Ayurveda Research Centre, Agartala, Tripura
23.	Uttar Pradesh	27) Central Ayurveda Research Institute, Jhansi
		28) Regional Ayurveda Research Institute, Lucknow
24.	Uttarakhand	29) Regional Ayurveda Research Institute, Ranikhet
25.	West Bengal	30) Central Ayurveda Research Institute, Kolkata

**List of On-going Projects in CCRAS**

S. No.	Name of Project
<b>Clinical Research Projects – Intramural Research (IMR)</b>	
1.	Clinical Evaluation of Triphala Ghrita as topical (Tarpana) and internal medication in the management of Dry Age Related Macular Degeneration Symptoms.
2.	Efficacy of Ayurvedic intervention in the management of occupational stress among IT professionals.
3.	Effectiveness of the role of Astangalavana and Srikhandasava as add on treatment on Madatyaya (Alcohol Dependence) - An Open Label Clinical Trial
4.	Impact of Ayurveda Based Lifestyle Advocacy and Practices among apparently healthy individuals across selected cities in India - A Randomized Parallel Group Study
5.	Efficacy and safety of Ayurveda Formulation ‘Trikatu’ in Dyslipidemia – A Prospective Randomized Double Blind Placebo Controlled Trial
6.	Clinical assessment of the efficacy of Ayurvedic management in PCOS – A randomized open label control trial.
7.	Clinical evaluation of Nimbadi Churna, Khadirarista and Arjuna Lepa in the management of Acne (Yuvan Pidika)
8.	Clinical evaluation of Sanjivani Vati and Pippaladyasava in the management of Agnimandya -a randomized parallel group study.
9.	Evaluation of the efficacy and safety of Chandraprabha Vati with Gokshuradi Guggulu in the management of Benign Prostatic Hyperplasia – A Randomized standard controlled clinical trial
10.	Clinical Evaluation of Ayurvedic Regimen (Virechana Karma followed by Oral administration of Kankayana vati, Kanchanara guggulu and Kumaryasava) in the management of Polycystic ovarian syndrome - A Randomized controlled open label Clinical Trial
11.	Comparing the efficacy of Yashtimadhu Ghrita anal infiltration and Diltiazem topical application in the management of Chronic Anal Fissure – An open-label randomized controlled trial
12.	Efficacy of Ayurveda Therapeutic Regimen versus Physiotherapy on Functional Disability and QoL in Post Stroke Rehabilitation-A prospective Randomized controlled trial
13.	Efficacy and safety of Murivenna anal infiltration compared to Diltiazem topical application in chronic anal fissure: A prospective randomized open-label clinical trial
14.	Efficacy of Ayurveda intervention in the management of Menorrhagia (Raktapradara)
15.	Evaluation of the efficacy of Ayush-BR leham in the management of Moderate malnutrition in children aged 3-5 years, a randomized controlled open label prospective clinical study.
16.	Efficacy and Safety of AYUSH SR tablet in the management of stress among University students – A double-blind randomized placebo-controlled study.
17.	Randomized controlled clinical trial to evaluate the efficacy of Ayurveda treatment protocol in lumbar disc herniation with radiculopathy.

18.	Efficacy and Safety of Punarnavadi Mandura and Dadimadi Ghrita Vs standard care in Adolescents with Iron Deficiency Anemia in improving Hemoglobin level, Functional gut well-being and Cognitive performance- A Randomized active controlled trial
19.	A cross-sectional study to assess the prevalence of Metabolic Syndrome and its association with Prakriti and NCD risk factors in the adult population of South Andaman district, Andaman & Nicobar Islands
20.	Documentation of Prescription Trends in Osteoarthritis by Ayurveda Physicians – A retrospective analysis
21.	A Clinical Consensus Study for Developing the Standard Operating Procedures for Agnikarma.
22.	A Clinical Consensus Study for Developing the Standard Operating Procedures for Virechana.
23.	Clinical Consensus study: Development of Standard Operating Procedure for classical Vamana karma.
24.	A Clinical Consensus study for developing the Standard Operating Procedure of Kabala and Gandoosha Karma.
25.	A Clinical Consensus Study for developing the Standard Operating Procedure and practice guidelines for Basti Karma.
26.	A Clinical Consensus Study for developing the Standard Operating Procedures for Uttaravasthi in females.
27.	A Clinical Consensus Study for Developing the Standard Operating Procedures for Siravyadana.
28.	Health seeking behaviour of the patients attending the Out- Patient Department of R.A.R.I, Gwalior and Lucknow with history of consuming OTC Medicines: A Cross-sectional study
29.	Knowledge, Attitude and Practice towards Pharmacovigilance of Ayurvedic Medicines among Registered Ayurvedic Medical Practitioners of the Respective States- a Multicentre Study
30.	A Prospective Pragmatic Observational Study to document the possible adverse events of Nasya Karma (Pharmacovigilance Project)
31.	An observational study on possible adverse events during vastikarma – a pragmatic prospective study (Pharmacovigilance Project)
32.	Efficacy and Safety of Ayush SR in the management of Premenstrual Syndrome – A randomized double blind placebo controlled study
33.	Effect of Therapeutic Sneha on Lipid Profile– A Systematic Review
34.	Ayurveda treatment for Benign Prostatic Hyperplasia (BPH): A Systematic Review
35.	An Analytical Cross-sectional study to evaluate the Knowledge, attitude and Practice of Hair oil application (Siro Abhyang) among adult women in Kerala
<b>Clinical Research Projects - Collaborative</b>	
1.	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.
2.	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

3.	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)
4.	Double blind randomized placebo controlled multicentric clinical trial of Ayush M-3 in the management of Migraine.
5.	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.
6.	Efficacy and safety of Ayurveda Formulation Trikatu as add on to standard care in Dyslipidemia - a randomized controlled trial
7.	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
8.	Topical Oil Pooling (Karnapurana) with Kshirabala Taila and supplementation of Ashwagandha churna (TOPMAC) in presbycusis - An exploratory randomized controlled trial
9.	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 Sickle cell disease.
10.	A multi-center study to assess the treatment adherence & tolerability of Ayush SR in Generalized Anxiety Disorder (GAD)
11.	Treatment Adherence, Tolerability and Safety of Ayurveda Therapeutic Regimen in the Management of Primary Knee Osteoarthritis: An OPD-Based Study
12.	Clinical study on treatment tolerability, medication adherence and safety of Ayurvedic formulations in the management of Dyslipidemia
13.	Treatment tolerability, medication adherence and safety of Ayurvedic formulations in the management of psoriasis – An open label single arm study -
14.	Treatment Adherence, Tolerability and Safety of Ayurveda Therapeutic Regimen in the management of Primary Knee Osteoarthritis: An OPD-based study – RARI, Thiruvananthapuram
15.	Treatment Adherence, Tolerability and Safety of Ayurveda Therapeutic Regimen in the Management of Primary Knee Osteoarthritis: An OPD-Based Study – CARI, New Delhi.
16.	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
17.	Tolerability, treatment adherence and safety of Punarnavadi Mandura in the management of Iron Deficiency Anemia: An open label single arm study (RARI, Jaipur)
18.	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.

19.	Treatment adherence, Tolerability and safety of Ayurveda therapeutic regimen in the management of Rheumatoid Arthritis (RA): An open level, OPD-based, multi-center study.
20.	Prospective double blind randomized controlled clinical study on Ayurvedic intervention (Pushkar guggulu & Haritaki churna) in the management of stable coronary artery disease.
21.	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.
22.	A randomized double blind placebo control clinical study to evaluate the immunomodulatory effect of Swarnaprashan in moderately malnourished children.
23.	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 multicentre randomized controlled trial.
24.	Randomized controlled trial of Anshumati Ksheer Paka in hypertension induced left ventricular hypertrophy
25.	Tolerability, treatment adherence, and safety of Drakshavaleha in the management of Iron Deficiency Anemia: An open label single arm clinical study
26.	Anemia control among adolescent girls through Ayurveda interventions in the five districts under Mission Utkarsh
27.	Treatment tolerability, medication adherence and safety of ayurvedic formulations in the management of psoriasis: an open-label single-arm study
28.	An exploratory series of n of 1 responder restricted study of Ayurveda regimen on quality of life among elderly population in Ballabgarh district of Haryana- A community based study.
29.	Efficacy, Safety, and Acceptability of Ayush BR Leham as an Adjuvant to the Supplementary Nutrition Programme under ICDS in the Management of Moderate Malnutrition among Children aged 3 - 5 years from Anganwadi centres - A cluster randomized controlled clinical trial
<b>Medicinal Plant Research Projects - Intramural Research (IMR)</b>	
1.	Anthology of pharmacognostical research outcomes of CCRAS on selected medicinal plants used in the Ayurveda
2.	Optimization of extraction process for the enrichment of extract with selected markers of some important Ayurvedic plants at CARI, Kolkata
3.	Pharmacognostical and chemical profiling of selected Indian medicinal flowers' at RARI, Jammu
4.	Anthology of Survey Research outcomes from Medico -Ethno Botanical Survey (MEBS), RARI, Ranikhet (Uttarakhand)
5.	Mass Cultivation of Selected Economically Important Medicinal Plants at RARI, Pune
6.	Mass cultivation of the selected economically important medicinal plants at RARI, Ranikhet



7.	Development and Digitalization of Authentic Ayurvedic Raw Drugs and Herbarium for the Medicinal Plants Appearing in Ayurvedic Formularies of India in Mandatory Drug Testing Laboratories of CCRAS
8.	Digitalization and indexing of herbarium sheets at CARI Kolkata collected from 1970-2000.
9.	Medico Ethno Botanical Survey in the forest areas of Darjeeling district of West Bengal.
10.	Establishment of In vitro propagation protocol for the conservation of Hydnocarpus pentandrus (Buch.-Ham.) Oken, a Vulnerable medicinal plant used in Ayurvedic formulations
11.	Developing Quality Standards for selected Extra-pharmacopoeial Drugs Collected from Irula tribes of Thandarai, Kancheepuram District, Tamilnadu
12.	Developing image-based taxonomical database of plants used in the Ayurveda
13.	Development of Quality Standards of Selected Extra-pharmacopoeial Drugs (AnuktaDravyas) Used in Local Health Traditions Collected from Different Regions of India.
14.	Development of Quality Standards of Selected Extra-pharmacopoeial Drugs (AnuktaDravyas) Used in Local Health Traditions Collected from Different Regions of India.
15.	Development of Quality Standards of Selected Extra Pharmacopoeial (AnuktaDravya) Drugs used in Local Health Traditions collected from different regions of India.
16.	Development Of Quality Standards of Selected Extra-Pharmacopoeial Drugs (AnuktaDravyas) Used in Local Health Traditions Collected from Different Regions of India.
17.	Antibacterial Activity of selective Ayurveda formulations against Gastrointestinal infection, Respiratory infection and Urinary Tract Infection causing bacteria.
18.	Evaluation of antibacterial, anti-oxidant and immuno-modulatory properties of selected Ayurvedic formulations
19.	To investigate the inhibitory effect of various medicinal plants used in ayurvedic system against dental caries causing micro-organisms.
20.	In vitro screening of plants/vegetables/fruits/herbs for their suitability as prebiotics.
21.	Comparative pharmacognostical and phytochemical standardization of commonly adulterating Ayurvedic drugs and adulterants, Pune
22.	Anthology of Survey Research outcomes of Medico Ethno Botanical Survey (MEBS), RARI, Itanagar.
23.	Comprehensive inventory of local health traditions (LHTS) & ethno medicinal practices (EMPS) in INDIA - validation through ayurvedic and ethno medicinal literature to establish uniqueness.
24.	Investigating the Effect of Vesicular Arbuscular Mycorrhiza (VAM) on Growth, Yield, Phytochemical Contents and Pharmacological Activities of Shalaparni and Prishniparni. RARI Pune
25.	Documentation and Validation of Local Health Traditions and Ethno medicinal practices in Sunderbani block of District Rajouri, Jammu and Kashmir. RARI Jammu

26.	Documentation and Validation of Local Health Traditions and Ethno-Medicinal practices in Lahul and Spiti district of Himachal Pradesh. RARI Mandi
27.	Documentation of wild edible and medicinal plants commercialized at local market in Papum Pare and lower Lower Subansiri district of Arunachal Pradesh. RARI Itanagar
28.	Macroscopic and microscopic atlas preparation for Ayurvedic Pharmacopeia of India Part -I, Vol-IV. RARI Gwalior
29.	Identification of potent anti-microbial compounds from medicinal plants against multi-drug resistant ESKAPE(E)bacteria isolated from different water sources in and around Jhansi district.” CARI Jhansi
30.	Screening of fungal isolates associated with mycotoxin/aflatoxin production from various herbal/plants based raw materials/formulations. CARI Jhansi
31.	Development of Quality Standards for Useful Parts of Selected Medicinal Plants of Ayurveda. RARI Gwalior
32.	Documentation and availability study of wild edible plants of Lower Assam, Guwahati
33.	Documentation of traditional food recipes and ethno medicinal values among muthuvan tribes of Idukki Kerala
34.	Study and documentation of plant raw drugs for Substitution and Adulteration in the markets of South India (Karnataka, Kerala, Tamil Nadu, Andhra Pradesh & Telangana)
35.	Documentation of Wild Edible and Medicinal Plants in southern part of Western Ghats in Karnataka State of Karnataka.
36.	Medico Ethno Botanical Survey in the forest division of Thiruvananthapuram district
37.	Isolation & Identification of Endophytic Microorganisms from the Stem Barks used in Ayurveda (Panchavalkala) and Evaluation of their Anti-microbial, Anti- oxidant and Antibiofilm activities
38.	Isolation, Identification, Characterization and in-vitro evaluation of the biological activities of Bacterial Endophytes from selected medicinal plants. CARI Kolkata
39.	Development of Quality Standards for Useful Parts of Selected Medicinal Plants of Ayurveda. Chennai
40.	Development of Quality Standards for Useful Parts of Selected Medicinal Plants of Ayurveda. Kolkata
<b>Medicinal Plant Research Projects – Collaborative</b>	
1.	Plant Diversity Database of Selected Ayurvedic Medicinal Plant Species from Medicinal Plants Garden of RARI, Pune
2.	Characterization of important Ayurvedic medicinal plants through DNA barcoding.
3.	Identification of adulterants/substitutes for Ayurveda plant raw material in trade using pharmacognostic and phytochemical parameters. CARI, Jhansi and NBRI Lucknow
4.	A comparative study on hydroponic and field cultivated medicinal plants used in Ayurveda. CARI, Jhansi and BHU Varanasi
5.	Comparative evaluation of field and hydroponic cultivation of selected Ayurvedic medicinal plants. CARI Bengaluru and IIHR Bengluru
6.	Study of seasonal variation on bioactive compounds of Panchavalkal-05 medicinal plants used in Ayurveda. CARI, Bengaluru and UAS-B, GKVK

7.	In vitro propagation and genetic stability studies of Ipomoea mauritiana Jacq. -a Rare medicinal plant. NARIP Cheruthuruthy and SNGS College Pattambi
8.	Standardization the cultivation and seed germination conditions of Centratherum anthelminticum (L.) Kuntze.
9.	Pharmacognostic Evaluation and Assessment of Anti-oxidant and Anti-Inflammatory Responses of Ethnomedicinal Plant Elsholtzia blanda (Benth.) Benth. in-vitro and in-vivo models.
10.	Development of Agro-techniques for selected Astavarga plants
<b>Drug Standardization Research Projects – Intramural Research (IMR)</b>	
1.	Development of Pharmaceutical Standards for AYUSH-64
2.	QC Analysis, Estimation of Markers/PRS & Shelf life studies of AYUSH M3 and AYUSH SS Granules
3.	Isolation of Markers Compound from Ayurvedic Plants and Development of Marker Compound Library
4.	Marker based Shelf-Life study and Development of Marker(s) Based Quantification Methods for the Most Valuable Ayurvedic Raw Drugs.
5.	Development of Drug Master File and Dossier on Rhizome Picrorhiza kurroa an Important Promising Medicinal Plants Based on Leads from Ayurveda and Contemporary Research
6.	Development of Drug Master File and Dossier on Emblica Officinalis an Important Promising Medicinal Plants Based on Leads from Ayurveda and Contemporary Research
7.	QC Analysis, Estimation of Markers/PRS and Shelf-life studies of Ayush PVK Gel, Ayush AGT Cream and AGT lotion
8.	QC Analysis, Estimation of Markers/PRS & Shelf-life Studies of Ayush PTK and Go-Mutra Haritaki.
9.	Effect of geographical variations, phytochemical profiling and marker-based quantification of selected medicinally important Ficus species.
10.	Preclinical Standardization and Development of SOP for Coated Tablets from Aqueous and Hydroalcoholic Extracts of Amlaki, Guduchi and Vasa and Shelf-life Studies.
11.	Marker-based Traceability in Ayush Kwath Churna and its Raw Drugs, Shelf-life and Exploration of Antioxidant & Antimicrobial Potency: A new horizon to explore Ayush Kwath Churna.
12.	Development of Quality Standards, Estimation of Markers and Shelf-Life Study of Ayush-82 and Ayush-SG.
13.	Development of Drug Master File and Dossier for Withania somnifera (L.) Dunal an Important Medicinal Plant from Ayurveda and Contemporary Research.
14.	Comparative phytochemical and pharmacological evaluation of small branches with root or stem bark of selective Ayurvedic plants.
15.	Rationalization of hydro-alcoholic extractive protocols for selected plant roots/rhizomes of Ayurvedic importance for strategic drug development.
16.	Development of Quality standards for formulation AYUSH KVM Syrup.

17.	Isolation of Phytoconstituents from some selected Ayurvedic medicinal plants.
18.	Estimation of Calcium and trace minerals & metals in Ayurveda drugs of Sudhavarga.
19.	Development of quality control protocols, identification, and estimation of major bioactive constituents of Ayurvedic medicated oils 'Murivenna', 'DurvadiKera', 'BhringamalakadiKerataila'.
20.	Development of Quality Standards, Estimation of Markers and Shelf-Life Study of Kvatha Churna Formulations.
21.	Development of quality standards & SOP with markers-based analysis and shelf-life study of four medicinally important classical ayurvedic formulations.
22.	Development of Quality Standards, estimation of Markers and Shelf-life of Chopchinyadi Churna, Marichadi Churna, Musali & Saraswat Churna at CARI, Guwahati.
23.	Shelf-life Study and Development of Marker(s) Based Quantification Methods for Ayush-A, and Ayush SC-3
24.	Evaluation of Seasonal and Geographical Variation on Phytoconstituents/Marker Compounds in Selected Ayurvedic Medicinal Plants
25.	Isolation of Marker Compounds and Development of Marker Compound Library from four Selected Ayurvedic Medicinal Plants (Kancanara, Asthisrnkhala, Puskara & Lajjala)
26.	Isolation of Marker/PRS compounds of selected Medicinal Plants
27.	Development of SoP, QC standards & Shelf-life Study of CCRAS Coded drug Ayush SDM and PK Avaleha
28.	Isolation of Marker Compounds from Ayurvedic Ingredients Used in CCRAS Coded Drugs Namely Ayush-HR, Ayush-56, Ayush-PG-7 & Ayush- SC-3 etc.
29.	Development of SOP & Quality Control parameters and Shelf-life studies of Ayush RP, Ayush AG & Ayush GG formulations
30.	Comprehensive QC analysis, Estimation of Marker, nutritional profiling & Shelf-life studies of "Ayush Poshak Yoga"
31.	In-Silico study of Botanicals used in Ayurveda for neurocognitive enhancement
32.	Development of SoP, Estimation of marker compounds in Polyherbal formulation: Tryushanadi Guggulu – A Classical Ayurvedic formulation
33.	Nutritional profiling, Estimation of Marker/PRS of Balya drugs
34.	Development of SoP, QC standards & Shelf-life Study of CCRAS Coded drug AYUSH UT Ointment.
35.	Development of Quality Standards, SOP and Shelf-life study for Ayurvedic formulations viz. Abhadya Churna & Utpaladya Churna
36.	Development of Quality Standards, SOP and Shelf-life Study for Ayurvedic formulation 'Panchanimba Churna'
37.	Comparative phytochemical evaluation of Ht.Wd. with small branches, leaf, and st.bark of common medicinal plants used in Ayurveda
38.	Detailed phyto-investigation of hydro-alcoholic extractives with different ratios of selected Kvatha formulations
39.	Development of Quality Standards, estimation of Markers and Accelerated Shelf-life studies of Guducyadi, Caturbhdra and Amrtottara kvatha churna formulations.

<b>Drug Standardization Research Projects - Collaborative</b>	
1.	Development of Metal Based Ayurvedic Formulation (MBAF) for the treatment of Acute Pro-Myelocytic Leukaemia (APML)
2.	Assessment of AYUSH-64 and Ayush Kwath to SARS-CoV-2 mutants on lung, liver and brain cells and their organoids.
3.	Profiling of phytochemicals in ayurvedic medicinal formulation and understanding their aggregation behaviour
<b>Pharmacology Research Projects - Intramural Research (IMR)</b>	
1.	Effect of Gokshuradi Guggulu on Experimental Diabetic Nephropathy: In-vitro and In-vivo Studies
2.	Exploratory study of cellular and nuclear entry of Bhasmas/rasakalpas
3.	Acute and 90 days repeated dose oral toxicity study of coded drug Ayush-SDM tablet
4.	Evaluation of Kanchnar guggulu and Varunadi Kashaya against letrozole induced polycystic ovarian syndrome associate conditions in female wistar rats
5.	Evaluation of Anti-diabetic and hepatoprotective Activity of coded formulation AYUSH-64 in experimental Animal Models
6.	Evaluation of Kalyanaka Ghrita against rat model of Alzheimer's disease
7.	Clinical evaluation of the efficacy of Padmakanta Yoga, an Ayurveda Formulation in the management of Mastitis in Bovines
8.	Evaluation of anti-depressant/anxiolytic/nootropic effect of panchagavya Ghrita in experimentally induced stress in rat
9.	Exploration of reproductive toxicity profile of coded drug Ayush 64
10.	Evaluation of some medicinal plants against free fatty acid induced steatosis in hepatic cell line- Invitro study.
11.	Exploration of reproductive toxicity profile of SS granules.
12.	Study of coded drugs intended for antenatal care i.e. AYUSH GG and AYUSH AG for their developmental toxicity and teratogenicity profiles in zebrafish embryo model
13.	Safety and anti-obesity activity of Tryusanadi guggulu in experimental animals
14.	Anti-cancer activity of Chaulmoogra oil and Shwetha Sarshapa churna in the treatment of epidermal carcinoma of skin in experimental mice.
15.	Acute and Sub Chronic (90 days) repeated dose oral toxicity study of AYUSH GMH in Experimental animals.
16.	Acute and Chronic (180 days) repeated dose oral toxicity study of Nimbatiktam
17.	Acute and Chronic (180 days) oral toxicity study of coded drug AYUSH RP.
18.	Acute and 180-days repeated dose oral toxicity study of AYUSH BalrakshakLehyam.
19.	Evaluation of acute and 90-day sub-chronic dermal toxicity of Ayush LK Gel.
20.	Acute and 90-day Oral Toxicity Study of AYUSH-BAL GHUTTI in experimental animals
21.	Acute and chronic (180 days repeated dose) oral toxicity study of Coded drug AYUSH-Bal Rasayana in experimental animals
22.	Evaluation of Acute, Sub-acute (28- days) and Chronic (180 days) repeated dose oral toxicity study of AYUSH-56 on experimental animal models

23.	Biochemical Effect of TrikatuChurna in Methimazole induced Experimental Hypothyroidism in Wistar Rats
24.	Study of selected Ayurvedic herbs for their anti-angiogenic potential and toxicity profile in zebrafish embryo model for cancer management.
25.	Evaluation of acute dermal toxicity, 90 days repeated dose dermal toxicity, analgesic and anti-inflammatory activity of AYUSH MML Oil in rodent model.
26.	Anti-hyperuricemic and anti-gouty arthritis activities of Amritadi Guggulu on mono sodium urate crystal-induced in Wistar rats.
<b>Pharmacology Research Projects – Collaborative</b>	
1.	Pre-clinical evaluation of Ayurvedic formulations against ionizing radiation-induced acute dermal injury in rats- implications in clinical study
2.	Evaluation of drugs-cytochrome P450 enzyme interaction through fluorometric high throughput screening assays
3.	Mechanistic investigation on the efficacy and mode of action of Ashwagandha and Yograj Guggulu, using a hybrid proteomics-chemoinformatics-network medicine approach for the treatment of Osteoarthritis.
4.	Evaluation of Cytotoxicity, Pharmacokinetics, Anti-Cancer Activity, Detailed Molecular Mechanisms of Bhallatakadi Modaka in In Vitro (2D and 3D Culture) and in vivo Tumor Xenograft Models.
5.	Toxicity Studies and Evaluation of Anti-inflammatory and Anti-arthritis activity of Shunthi Guggulu (Triphala Shodhita) in Rats.
6.	Understanding mechanistic role of Carctol-S as immunomodulatory and anticancer formulation against Ovarian Cancer
7.	Understanding mechanistic role of CARAF & CAGHE as immunomodulatory and anti-cancer compounds against pre-clinical models of Leukemia, Lymphoma, Melanoma, Lung and Breast cancer
8.	Deciphering Pharmacodynamics of Ayurvedic formulations (Ayush Manas, Bhallataka Ghrita and Jyotismathi taila) used in the treatment of neurodegenerative diseases by integrating reverse pharmacological approaches.
9.	Anticancer potential and molecular mechanism of Rasa Sindhoor on Ovarian cancer cells
10.	Evaluation of anti-cancerous potential, in silico pharmacological analysis and molecular mechanism of Kanchanar guggulu in ovarian cancer $\mu$ Tumor spheroids, and in in vivo models
11.	Aqueous and Hydroalcoholic Extraction of selected Anukta Dravya Plants and Evaluation of their Therapeutic efficacy for various diseases
12.	Toxicity profile of Rasamanikya Rasa in experimental animals
13.	Development of Mahua (Madhuca longifolia) based food recipe (Product development) and its nutritional, toxicity, efficacy and bioavailability studies
14.	Development of Opuntia elatior (fruit) based food recipes (product development) and its nutritional, toxicity, efficacy and bioavailability studies
15.	Preclinical study on the efficacy, safety and toxicity of Swarna Prashan regimen as adjunct therapy in Paediatric acute lymphoblastic leukemia.

16.	Toxicity profile of Swaskuthar Rasa in experimental animals.
17.	Toxicity profile of Tribhuvana Kirti Rasa in experimental animals.
18.	Pre- clinical development of Amalaki ( <i>Phyllanthus emblica</i> Linn.) fruit through AYUSH route for adjunct therapy in tuberculosis to reduce anti – tubercular treatment (ATT) induced hepatotoxicity.
19.	Pre- clinical development of Guduchi [ <i>Tinospora cordifolia</i> (Thumb) Miers] stem through AYUSH route for adjunct therapy in tuberculosis to reduce anti – tubercular treatment (ATT) induced hepatotoxicity.
20.	Pre- clinical development of Vasa ( <i>Justicia adhatoda</i> Linn.) Leaves through AYUSH route for adjunct therapy in tuberculosis to reduce anti – tubercular treatment (ATT) induced hepatotoxicity
21.	Pre-Clinical Study of Dhatri Lauha (A classical ayurvedic formulation) in Iron Deficiency Anaemia (Pandu Roga).
22.	Toxicity profiling of Mrityunjaya rasa in experimental animals.
23.	Evaluation of the inhibition potential of ayurvedic drugs against cytochrome p450: Implications for drugs-drug Interaction.
24.	Chemopreventive Effects of <i>Opuntia elatior</i> Fruits Against Chemotherapy-Induced Toxicity in Ovarian Cancer Pre-Clinical Models.
25.	Standardization of Sustainable Medicinal Leech Farming Technology and Development of SoP for its storage, transportation and therapeutic application
26.	Elucidating mechanisms of anti-hyperglycemic activity of selected herbal formulations
27.	Acute and Ninety-day repeated dose (Sub- chronic) oral toxicity study of coded formulation AYUSH-PTK.
28.	Aqueous and ethanolic extraction of two promising extra-pharmacopoeial (Anukta Dravya) plants and evaluation of their anti-inflammatory and wound-healing activities.
29.	'Assessment of Anti-aging, Antimutagenic and Cancer Chemoprevention potential of Swarna Bhasma in <i>Drosophila melanogaster</i>
30.	Evaluation of Coded drug AyushRasayana B for treatment of high-altitude sickness using a multi-dimensional drug discovery approach.
31.	Evaluation of Neuroprotective and Antioxidant Effects of Vasantakusumakara rasa in a rat Model of Type II diabetes neuropathy
32.	Cardio protective effect of PushkaraGuggulu on experimentally induced myocardial infarction in rats
33.	Evaluation of Brahmi Ghrita in in-vitro and in-vivo models of Alzheimer's disease
34.	Evaluation of effect of AYUSH M3 and Prabhakar vati on cardiovascular parameters
35.	Evaluation of Neuroprotective potential of Brahmi Ghrita, PanchgavyaGhrita and Ayush 56 in epilepsy model, its functional significance and mechanism.
36.	Targeting Antibiotic-resistant gut pathogen-induced acid peptic diseases through selected Ayurvedic formulations.

<b>Literary Projects- Intramural Research (IMR)</b>	
1.	Showcasing of Ayurveda Historical Imprints (SAHI) through tangible and intangible evidence.
2.	e-Medical Heritage Accession (e-MEDHA)
3.	Translation of unpublished Manuscript Shalihotra from Sanskrit to English
4.	Mahamati Cakrapani Dasa Krta Abhunava Cintamani (Sanskrit to English Translation)
5.	Critical Appraisal, Refining, Technical editing and publication of literary works assigned based on expression of interest.
6.	Digitized Retrieval Application for Versatile Yardstick of Ayush (DRAVYA)
7.	Bibliometric analysis of the publications on Research in Ayurveda for prevention and management of Covid-19
8.	Translation of Bharadwaja Pranita Bhesajkalpah (Sanskrit) Grantha into Hindi and English
9.	English and Hindi Translation of Pramadagadari Vidyaka (Marathi) Grantha
10.	Documentation of history and development of CCRAS: A chronological perspective.
11.	Documentation of Life Profiles of Admirable Personalities to Transform Ayurveda (APTA)
12.	Collection, Digitization and Cataloguing of AYUSH Manuscripts and Rare Books (CDCAMR)
13.	NAMASTE – Portal upgradation for the transition of ICD-10 to ICD-11 TM-2 Module and development of procedure codes based on international classification of health Interventions (ICHI) template.
14.	Digital data collection system for Ayush related surveys and analytics.
15.	Critical review and refining of Sanskrit text in CCRAS publications
<b>Literary Projects- Collaborative</b>	
1.	Comprehensive collection of health-related references from Vedic Literature & Systematic Documentation of selected Vedic practices
2.	In-silico network pharmacology study of selected coded formulations of CCRAS
3.	Preparation of e-Books of selected Nighantu of Ayurveda
<b>Fundamental Research - Intramural Research (IMR) Projects</b>	
1.	A cross-sectional survey to explore the association of Prakriti with Diabetic Retinopathy
<b>Fundamental Research - Collaborative Projects</b>	
1.	Systems Biology Approach to Delineate Molecular Signatures of Prakriti in Healthy Humans.
2.	Entrepreneurship in Ayush Industry: Management and Commercialization Principles in Ayush Product and Services
3.	Elucidating Mitochondrial function by profiling of mito-nuclear gene variations towards understanding the molecular basis of Ayurvedic Prakriti: A determinant of health and longevity



4.	Standardization, Scientific Validation and Automation of Taila Bindu Pariksha – An Ancient Prognostic Tool
5.	Understanding Prakriti and Its Inheritance Pattern in Health and Predominant Disease Pre disposition from A Regional Perspective- A Genetic and Epigenetic Study
6.	Study of association between prakriti and outcomes of early and locally advanced breast cancer.
<b>Pharmaceutical Research - Intramural Research (IMR) Projects</b>	
1.	Process validation and pharmaceutical standardization estimation of shelf life study Vacalasanadi Taila, Somaraji Taila, Hingutriguna taila and Yashtimadhu
2.	Development of quality standards for selected Arka formulations
3.	Pharmaceutical development and characterization of Karuthamarmani gutika/tablet/ Shiraswtodadi gutika/tablet
4.	Pharmaceutical standardization of polyherbal formulations MML Taila with Shelf-life study.
5.	Process validation and standardization of Pippalyadi taila, Vachadi taila and Bhringamalakadi taila formulations in AFI.
6.	Formulation development, pharmaceutical standardization and accelerated stability studies of Pushkar guggul Tablets.
7.	Process validation, Pharmaceutical standardization and estimation of Shelf-life study of Abhijita taila, Madhukadi taila and Vyaghri taila.
8.	Formulation development and pharmaceutical standardization of Amrutadi vati/tablets by different methods using Churna, Aqueous and Hydroalcoholic extracts with their comparative analytical and accelerated stability studies.
9.	Pharmaceutical standardization and characterization of Yashad Bhasma.
10.	Pharmaceutical standardization, SOP development and comprehensive phytochemical profiling of selected Ayolepa Rasayana Kalpana.
11.	Pharmaceutical Development Standardization of Ayush VR oil, its gel/ointment form with Accelerated Stability Study, In-silico, Antibacterial and antifungals Activities.
12.	A Systematic survey of the labelling information of Ayurvedic drugs included in NLEAM and marketed in India in compliance with Rule 161 of the D & C Act 1940 and Rule 1945.
<b>Pharmaceutical Research - Collaborative Projects</b>	
1.	Design and development of a device for efficient removal and recovery of heavy metals from the Fumes of Rasaushadhies (Rasasindura) during their preparation
2.	Documentation of Traditional Food Recipes of Karnataka and their Validation with Ayurveda and Nutritional Perspective, TDU University; CARI, Bengaluru.
3.	Formulation and product development of Ayurveda recipes and nutritional evaluation of selected products CSIR-CFTRI, Mysuru; CARI, Bengaluru.

<b>Public Health Research</b>	
1.	Ayurveda Mobile Health Care Programme under SCSP: This Programme is being executed through 15 CCRAS institutes in 14 states. During 24-25, research study titled “Acceptability of the comprehensive Ayurveda-based health care approach in the community and effectiveness of individualized health care - Cluster randomized study” is being executed.
2.	Women and Child Health Care Programme under SCSP: This Programme is being executed through 10 CCRAS institutes in 10 states. During 24-25, research studies titled “A cross-sectional community-based study on knowledge, Attitude and Practices (KAP) related to menstruation among women of reproductive age” & “Effect of Ayurveda-based Advocacy on Knowledge, Attitudes, and Practices related to menstruation among women of reproductive age- A Community-based Study” are being executed.
3.	Tribal Health Care Research Programme: This Programme is being executed through 14 CCRAS institutes in 14 states. During 24-25, research study titled “Assessment of acceptability of the Comprehensive Ayurveda-based health care approach in the tribal community and effectiveness of individualized health care - Cluster randomized study” is being executed.

**Details of Disease-wise formulations\* validated under clinical research projects**

<b>S. No.</b>	<b>Name of the disease condition</b>	<b>Name of the Ayurveda formulation</b>
1.	Bronchial Asthma ( <i>Shwas</i> )	<ul style="list-style-type: none"> <li>• Vyaghri Haritaki</li> <li>• Kanakasava</li> <li>• Trivrita Churna</li> <li>• Kantakaryavaleha</li> <li>• Eladi gutika</li> <li>• Agastya Haritaki Rasayana</li> <li>• Apamarga Kshara</li> </ul>
2.	Cervical spondylosis ( <i>Greevagraha</i> )	<ul style="list-style-type: none"> <li>• Panchamrita Lauha Guggulu</li> <li>• Panchaguna Taila</li> </ul>
3.	Cognitive Deficit	<ul style="list-style-type: none"> <li>• Brahmi Ghrita</li> <li>• Jyotishmati Taila</li> <li>• Sarasvata Ghrita</li> <li>• Kalyanaka Ghrita</li> </ul>
4.	Chronic Bronchitis ( <i>Kasa</i> )	<ul style="list-style-type: none"> <li>• Vyaghri Haritaki</li> <li>• Vasavaleha</li> <li>• Kushmandaka Rasayana</li> <li>• Sitopaladi Churna</li> <li>• Eladi churna</li> <li>• Lavangadi Vati</li> <li>• Talishadi Churna</li> <li>• Draksharishta</li> <li>• Chitraka Haritaki</li> </ul>
5.	Chronic Rhinosinusitis ( <i>Pinasa</i> )	<ul style="list-style-type: none"> <li>• Shadbindu taila</li> <li>• Chitraka Haritaki</li> </ul>
6.	Type II Diabetes Mellitus	<ul style="list-style-type: none"> <li>• Saptavimshatika Guggulu</li> <li>• Haridra Churna,</li> <li>• Nisa Amalaki Churna tablet</li> <li>• Chandraprabha vati</li> <li>• Nishakatakadi Kashaya,</li> <li>• Yashada Bhasma,</li> <li>• Gokshuradi Guggulu,</li> <li>• Guduchi Churna,</li> </ul>

7.	Dyslipidemia	<ul style="list-style-type: none"> <li>• Vyoshadi Guggulu,</li> <li>• Haritaki Churna</li> </ul>
8.	Essential Hypertension	<ul style="list-style-type: none"> <li>• Ashvagandhadyarishta,</li> <li>• Jatamamsi Arka,</li> <li>• Sarpagandha Vati,</li> <li>• Rudraksha Churna,</li> <li>• Parthadyarishta (Arjunarishta),</li> </ul>
9.	Generalized Anxiety disorder	<ul style="list-style-type: none"> <li>• Ksheerbala taila</li> <li>• Mandukaparni Churna tablet</li> <li>• Ashvagandha Churna tablet</li> </ul>
10.	Hyperuricemia in Gout patients ( <i>Vatarakta</i> )	<ul style="list-style-type: none"> <li>• Pinda Taila,</li> <li>• Amrita Guggulu,</li> <li>• Kaishora Guggulu,</li> <li>• Madhusnuhi Rasayana,</li> <li>• Kaishor Guggulu</li> <li>• Balaguduchyadi Taila</li> <li>• Gokshuradi Guggulu</li> <li>• Nimbadi Churna</li> </ul>
11.	Iron Deficiency Anemia	<ul style="list-style-type: none"> <li>• Dhatri Lauha</li> <li>• Punarnavadi Mandura</li> <li>• Dadimadi Ghrita,</li> <li>• Navayasa Churna</li> <li>• Mandura vataka</li> <li>• Drakshasava</li> <li>• Drakshavaleha,</li> <li>• Lohasava</li> <li>• Amalaki Churna</li> </ul>
12.	Irritable Bowel Syndrome (IBS) ( <i>Grahani Roga</i> )	<ul style="list-style-type: none"> <li>• Bilvadi Leha,</li> <li>• Kutajarishta,</li> <li>• Brihat Gangadhar Churna,</li> <li>• Kutajavaleha,</li> <li>• Jatiphaladya Churna</li> <li>• Chitrakadi Gutika,</li> <li>• Jirakadyarishta,</li> <li>• Mustakarishtha</li> </ul>
13.	Mental Retardation	<ul style="list-style-type: none"> <li>• Brahma Rasayana</li> </ul>

14.	Migraine (Ardhavabhedaka)	<ul style="list-style-type: none"> <li>• Pathyadi Kvatha Churna</li> <li>• Anu taila,</li> </ul>
15.	Non-Alcoholic Fatty Liver Disease (NAFLD)	<ul style="list-style-type: none"> <li>• Arogyavardhini vati</li> <li>• Pippalyasava</li> </ul>
16.	Obesity (Sthaulya)	<ul style="list-style-type: none"> <li>• Vyoshadi Guggulu,</li> <li>• Haritaki Churna,</li> <li>• Navaka Guggulu,</li> <li>• Tryushanadi Guggulu,</li> <li>• Brihad Manjisthadi Kwatha Churna</li> <li>• Vidanga churna</li> <li>• Lekhaniya Gana Kashaya</li> <li>• Arogyavardhini Gutika</li> </ul>
17.	Osteoarthritis	<ul style="list-style-type: none"> <li>• Punarnava Guggulu,</li> <li>• Dashmoola Ghrita,</li> <li>• Kottamchukkadi Taila,</li> <li>• Vatari Guggulu,</li> <li>• Narayana Taila,</li> <li>• Maharasnadi Kashaya,</li> <li>• Ksheerbala taila,</li> <li>• Yogaraj Guggulu,</li> <li>• Gandharvahasta Taila,</li> <li>• Dhanvantara Taila,</li> <li>• Rasnadi Gutika,</li> <li>• Chandrakala Lepa,</li> <li>• Trayodashanga guggulu</li> <li>• Maharasanadi kwatha Churna</li> <li>• Brihatsaindhavadya Taila</li> </ul>
18.	Osteopenia / Osteoporosis	<ul style="list-style-type: none"> <li>• Laksha Guggulu</li> <li>• Mukta Shukti Pishti</li> <li>• Ashwagandha Churna</li> <li>• Pravala Pishti</li> <li>• Abhadya churna</li> <li>• Muktasukti Bhasma</li> </ul>
19.	Polycystic Ovarian Syndrome (PCOS)	<ul style="list-style-type: none"> <li>• Kanchanara Guggulu</li> <li>• Rajahpravartini vati</li> <li>• Varunadi Kashaya</li> </ul>
20.	Psoriasis ( <i>Kitibha</i> )	<ul style="list-style-type: none"> <li>• Vajraka ghrita,</li> <li>• Arogyavardhini vati</li> </ul>

		<ul style="list-style-type: none"> <li>• Dineshvalyadi taila</li> <li>• Yashada Bhasma</li> <li>• Triphala Churna</li> <li>• Panchtiktaguggulu Ghrita</li> <li>• Brihanmarichadya Taila</li> <li>• Panchatikta Ghrita</li> <li>• Nalpamaradi Taila</li> </ul>
<b>21.</b>	Rheumatoid Arthritis	<ul style="list-style-type: none"> <li>• Simhanaada Guggulu,</li> <li>• Brihata Saindhavadya Taila</li> <li>• Vatari Guggulu,</li> <li>• Hingvashtaka Churna,</li> <li>• Vyoshadi Guggulu,</li> <li>• Panchasama Churna,</li> <li>• Punarnava Guggulu</li> <li>• Rasnasaptaka Kvatha Churna</li> <li>• Sunthi Churna</li> <li>• Indukanta ghrita</li> <li>• Trayodashanga Guggulu</li> </ul>
*Some formulations repeated in different disease conditions or in different combinations		

**Drugs developed by CCRAS for Non Communicable Diseases  
like Diabetes Mellitus, HTN, Cancer etc**

<b>S. No.</b>	<b>Name of the Drug</b>	<b>Indication</b>
1.	Ayush-82 *	Type 2 Diabetes Mellitus
2.	Ayush SG*	Rheumatoid Arthritis
3.	Ayush 56*	Epilepsy
4.	AYUSH QOL 2C	To improve Quality of Life of Cancer patients
5.	AYUSH D	Type 2 Diabetes Mellitus
6.	Carctol S	Cancer
7.	AYUSH-HR	Prehypertension
8.	Ayush M3	Migraine and hypertension

\* Drugs developed by CCRAS for NCDs have been commercialized.

<b>NABH Accredited Institutes of CCRAS</b>			
<b>Sl. No.</b>	<b>Name of the Institute</b>	<b>Accreditation Number</b>	<b>Accreditation date</b>
1.	Central Ayurveda Research Institute, New Delhi	AH-2022-0169	07.10.2022
2.	Central Ayurveda Research Institute, Bhubaneswar	AH-2023-0188	13.03.2023
3.	Regional Ayurveda Research Institute, Jaipur	AH-2023-0189	13.03.2023
4.	Regional Ayurveda Research Institute, Gwalior	AH-2023-0187	13.03.2023
5.	Central Ayurveda Research Institute, Kolkata	AH-2023-0198	12.05.2023
6.	Regional Ayurveda Research Institute, Nagpur	AH-2023-0197	12.05.2023
7.	Regional Ayurveda Research Institute, Jammu	AH-2023-0196	12.05.2023
8.	Regional Ayurveda Research Institute, Vijayawada	AH-2023-0201	12.05.2023
9.	Central Ayurveda Research Institute, Patiala	AH-2023-0202	05.07.2023
10.	National Ayurveda Research Institute for Panchkarma, Cheruthuruthy	AH-2023-0208	05.07.2023
11.	Central Ayurveda Research Institute, Guwahati	AH-2023-0220	26.10.2023
12.	RRAP Central Ayurveda Research Institute, Mumbai	AH-2024-0239	03.04.2024
<b>NABH Accredited Institutes of CCRAS (Entry Level Certification)</b>			
<b>Sl. No.</b>	<b>Name of the Institute</b>	<b>Accreditation Number</b>	<b>Accreditation date</b>
1.	Central Ayurveda Research Institute, Bengaluru	EAC-2023-0006	05.01.2023
2.	Regional Ayurveda Research Institute, Ranikhet	EAC-2023-0005	05.01.2023
3.	Regional Ayurveda Research Institute, Ahmadabad	EAC-2023-0007	13.03.2023
4.	Regional Ayurveda Research Institute, Lucknow	EAC-2023-0008	13.03.2023



5.	Regional Ayurveda Research Institute, Patna	EAC-2023-0013	12.05.2023
6.	Regional Ayurveda Research Institute, Gangtok	EAC-2023-0012	12.05.2023
7.	Regional Ayurveda Research Institute, Mandi	EAC-2024-0025	29.02.2024
<b>NABL Accreditation of CCRAS Institutes for Testing &amp; Calibration Laboratories (ISO/IEC 17025:2017)</b>			
Sl. No.	Name of the Institute	Accreditation Number	Accreditation date
1.	CSM Central Ayurveda Research Institute, Chennai	TC-05423	12.02.2023 (Accredited Since 2017, Renewal done in 2023)
2.	Central Ayurveda Research Institute, Jhansi	TC-11092	26.10.2022
3.	Regional Ayurveda Research Institute, Gwalior	TC-11222	16.12.2022
4.	Regional Ayurveda Research Institute, Pune	TC-11420	06.03.2023
5.	Central Ayurveda Research Institute, Kolkata	TC-12344	29.09.2023
<b>NABL Accredited Laboratories of CCRAS (Medical Labs)</b>			
S. No.	Name of the Institute	Accreditation No.	Accreditation date
1.	National Ayurveda Research Institute of Panchkarma, Cheruthuruthy	NABL-M(EL)T-00231	14.04.2022
2.	Central Ayurveda Research Institute, Kolkata	NABL-M(EL)T-00301	26.07.2022
3.	Central Ayurveda Research Institute, Bengaluru	NABL-M(EL)T-00394	30.11.2022
4.	Central Ayurveda Research Institute, New Delhi	NABL-M(EL)T-00488	13.03.2023
5.	Regional Ayurveda Research Institute, Nagpur	NABL-M(EL)T-00591	30-05-2023
6.	Central Ayurveda Research Institute, Guwahati	NABL-M(EL)T-00594	30-05-2023
7.	Regional Ayurveda Research Institute, Gwalior	NABL-M(EL)T-00693	06.09.2023

8.	Central Ayurveda Research Institute, Patiala	NABL-M(EL)T-02331	16.11.2023
9.	MS Regional Ayurveda Research Institute, Jaipur	NABL-M(EL)T-02338	16.11.2023
10.	Regional Ayurveda Research Institute, Thiruvananthapuram	NABL_M(EL)T-02378	16.11.2023
11.	Regional Ayurveda Research Institute, Jammu	NABL M(EL)T-02437	08.12.2023
12.	Regional Ayurveda Research Institute, Vijayawada	NABL-M(EL)T-02547	06.03.2024
13.	Regional Ayurveda Research Institute, Ahmedabad	NABL-M(EL)T-02565	19.03.2024
14.	Regional Ayurveda Research Institute, Patna	NABL-M(EL)T-02647	02.08.2024
15.	Regional Ayurveda Research Institute, Lucknow	NABL-M(EL)T-02906	17.02.2025
16.	RRAP-Central Ayurveda Research Institute, Mumbai	NABL-M(EL)T-02941	18.03.2025