

LIST OF PROJECTS

(CCRAS-Hq. New Delhi, dated 01st-14th October 2025)

I. IMR projects

Completed	
1	Development of Micro forest of Medicinal plants by using Miyawaki method of plantation
2	To investigate the inhibitory effect of various medicinal plants used in the Ayurvedic system against dental caries-causing micro-organisms.
3	In-Vitro Screening of Plants/Vegetables/Fruits/Herbs for their Suitability as Prebiotics
4	Process validation, Pharmaceutical standardization with classical and modern techniques along with the evaluation of shelf- life and antimicrobial activity of Pippalyadi Yonivarti, Arkadi Yonivarti and Kushthadi Yonivarti
5	Process validation and Pharmaceutical Standardization of Polyherbal formulations (Ajmodadi Churna, Panchkola Churna and Haridradi Churna) with its shelf life and antimicrobial evaluation
6	Feasibility of bulk preparation and quality control of selected classical Ayurvedic Vattis preparations for research purposes.
7	Formulation, Standardization and Process Validation of Laghu Sutashekhar Rasa Tablet
8	Pharmaceutical Standardization, Antimicrobial activity and Accelerated stability study of Arkas of Ajamoda, Guduchi, Kiratatikta and Mishreya
9	Process Validation, Pharmaceuticals Standardization, Accelerated Stability Study, and Evaluation of Antimicrobial Activity of Ayush Ghutti Dispersible Tablet..
10	Pharmaceutical standardization of five calcium containing Bhasmas (Shankha, Shukti, Varatika, Godanti and Kukkutanda Twak) and their chemical analysis by advanced analytical techniques
11	Process validation and pharmaceutical standardization of Pishtis of Akika, Jaharmohara, Badarashm, and Trinkantmani and their chemical analysis by advanced analytical techniques
12	Process validation, pharmaceutical standardization and evaluation of antimicrobial activity of Ajeernakantak Ras, Kanaksundar Ras and Hinguleshwara Ras
13	Process Validation, Pharmaceutical Standardization and Accelerated Stability Study of Ayush LND Tablets
14	Process Validation, Pharmaceutical Standardisation and Accelerated Stability testing of Bhallatakadi Modaka

15	Documentation of Life Profiles of Admirable Personalities to Transform Ayurveda (APTA) -Late Prof. Priyavrat Sharma
16	Preclinical Standardization and Development of Standard Operating Procedure for AYUSH Coded Drug SG-5
17	Development of Quality Standards of Ayurvedic Plants for the Ayurvedic Pharmacopoeia of India
18	Development of Drug of Drug Master File and Dossier for <i>Picrorhiza kurroa</i> an Important Promising Medicinal Plant from Ayurveda and Contemporary Research.
19	Marker based Shelf-Life study and Development of Marker(s) Based Quantification Methods for the Most Ayurvedic Raw Drugs
20	QC Analysis, Estimation of Markers/PRS & Shelf-life studies of Ayush PVK Gel, Ayush AGT Cream and AGT lotion
21	Preclinical Standardization and Development of SOP for Coated Tablets from Aqueous and Hydroalcoholic Extracts of Amlaki, Guduchi and Vasa and Shelf-life Studies.
22	Development of Quality Standards of Non-codified Lead Plants.
23	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
24	Pharmacognostical Evaluation of Medicinal Plants cited in Ayurvedic Formulary of India excluding the plants mentioned in Ayurvedic Pharmacopoeia of India, Part-II
25	Digitization of Herbarium Sheets and Development of Digital Herbarium at Regional Ayurveda Research Institute, Jhansi.
Ongoing	
1	Anthology of survey research outcome from MEBS
2	Screening of various Herbal/plants based raw materials for fungal growth associated with mycotoxin contamination
3	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
4	Documentation of Life Profiles of Admirable Personalities to Transform Ayurveda (APTA) Late Prof. Suresh Chandra Shastri
5	Documentation of Life Profiles of Admirable Personalities to Transform Ayurveda (APTA) Late Vd. Shree Ram Narayan Sharma
6	Pharmaceutical Development and Standardisation of Ayush VR oil, its gel/ ointment form with Accelerated Stability Study, In-silico, Antibacterial and Antifungal Activities.
7	Pharmaceutical standardization & characterization of Yashad Bhasma Prepared by traditional and contemporary method of heating
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	Formulation Development, Pharmaceutical Standardization and Accelerated Stability Studies of Pushkar Guggul Tablets
10	Efficacy and Safety of Ayurveda Interventions for Dysfunctional Uterine Bleeding (DUB): A Protocol for Systematic Review
11	QC Analysis, Estimation of Markers/PRS & Shelf-life Studies of Ayush PTK and Go-Mutra Haritaki

12	Effect of geographical variations, phytochemical profiling and marker-based quantification of selected medicinally important Ficus species
13	Development of Quality Standards, Estimation of Markers and Shelf-Life Study of Ayush-82 and Ayush-SG
14	Development of SoP, QC standards & Shelf-life study of CCRAS Coded drug AYUSH UT Ointment
15	Development of Quality Standards, estimation of Markers/PRS & Shelf-life Study of CCRAS Coded drugs AYUSH SDM Tablet and AYUSH PK Avaleha
16	Isolation of Marker Compounds from Ayurvedic Ingredients Used in CCRAS Coded Drugs namely Ayush-HR, Ayush-56, Ayush-PJ-7, & Ayush-SC-3
17	Development of Quality standards for Useful Parts of selected Medicinal Plants of Ayurveda
18	Macroscopic and Microscopic Atlas preparation of selected plants of Ayurvedic importance.
19	Medico-Ethno-botanical Survey of West Forest Division of Chhindwara district in the State of Madhya Pradesh, India.
20	Product Development, Pharmaceutical Standardization and Accelerated stability study of Ayush Nutri granules along with Computational study for its active metabolites
21	Pharmaceutical Development of Ayush Osto tablets (Quality assurance and stability studies)
22	Evaluation of Seasonal and Geographical variation phytoconstituents/Marker compound in Selected Medicinal plants used in Ayurveda

II. Collaborative projects

Completed	
1	Development of Quality Standards of Selected Extra Pharmacopoeial (<i>Anukta Dravya</i>) Drugs used in Local Health Traditions collected from different regions of India
Ongoing	
1	Preclinical Toxicity Study of Dhatri Lauha (CDRI-Lucknow)
2	Profiling of Phytochemicals in Ayurvedic medicinal formulations and understanding their aggregation behaviour (IIT Gandhinagar)
3	Mechanistic studies in the elucidation of Shodhana for nine Poisonous medicinal plants of E1 schedule (NBRI-Lucknow)
4	Development of a device for efficient removal and recovery of heavy metals from the fumes of Rasa Ausadhies during its preparation
5	Centre of Excellence (CoE) in “SUSTAINABLE Ayush” “Centre of Excellence in Sustainable Ayush for Advanced technological solutions, startup support and net zero sustainable solutions for Rasaushadhies”
6	Evaluation of Vidangadi Lauham a classical Ayurvedic formulation in the management of diabetes in experimental animals
7	Pre-clinical development of Amalaki (<i>Phyllanthus emblica</i> L.) fruit through AYUSH route as adjunct therapy in tuberculosis to reduce anti-tubercular treatment (ATT) induced hepatotoxicity
8	Pre-clinical development of Guduchi (<i>Tinospora cordifolia</i> Miers) stem through AYUSH route as adjunct therapy in tuberculosis to reduce anti-tubercular treatment (ATT) induced hepatotoxicity
9	Pre-clinical development of Vasa (<i>Justicia adhatoda</i> L.) leaves through AYUSH route as adjunct therapy in tuberculosis to reduce anti-tubercular treatment (ATT) induced hepatotoxicity
10	Study of selected Ayurvedic herbs for their anti-angiogenic potential and toxicity profile in Zebra Fish embryo model for cancer management (Collaborative to RARI Gwl.)
11	Plant Diversity Database of Selected Plant Species used in the Ayurveda of RARI, Pune (Collaborative to RARI, Pune.)
12	Characterization of important medicinal plants through DNA barcoding
13	Identification of Adulterant substitute for Ayurveda plant raw material in trade
14	A comparative study on Hydroponic and field cultivation of medicinal plants used in Ayurveda
15	Pharmaceutical development and standardization of Lodhradi Yonivarti, Ayush LPM Vaginal Tablet and Ayush Vaginal Gel along with its evaluation of Vaginal Irritation study, shelf life and anti-microbial study.(Collaborative to NIPER, Raebareli)
16	Formulation, development and pharmaceutical standardization of Dadrughna ointment with Antifungal, Antimicrobial, Dermal toxicity and accelerated stability study. (Collaborative to RARI, Gwalior)

III. EMR projects

Completed	
1	Development of quality standards of non-codified lead plants- DST NIF
2	Raising quality planting materials of medicinal plants in the herbal garden of RARI, Jhansi with the established Agro-techniques.
Ongoing	
1	Establishment of National Raw Drug Repository
2	Development of Quality standards of Botanicals used in Ayurveda grown in Mauritius
3	CoE Rasa aushadhi