

IMR Projects: Pharmacognosy

2014-2015

S.No	Project code	Name of the Project	Name of the Institute	Status of the Project	Status of Publications (Articles/Books/Monographs)
1.	IPS0001	Pharmacognostic and preliminary phytochemical evaluation on selected antidiabetic medicinal plants with reference to its importance in diabetic preparations, Nutritional values, with traditional uses.	CARI Bengaluru	Closed	1. Pharmacognostical Standardization of Upodika-<i>Basella alba</i> L. An Important Ayurvedic Antidiabetic Plant; <i>Ancient Science of Life</i>; <u>36(1):p 35-41</u>, Jul-Sep 2016. DOI: 10.4103/0257-7941.195411 2. Pharmacognostical, Phytochemical and Nutritional Evaluation of <i>Glinus oppositifolius</i> (L.) Aug. DC.; <i>Pharmacognosy Journal</i>; Vol 8, Issue 1, Jan-Feb, 2016. DOI: 10.5530/pj.2016.1.7 3. Pharmacognostic and Physico chemical Evaluation of the different varieties of <i>Sesamum indicum</i> L. - comparative study; <i>Research Journal of Pharmacognosy and Phytochemistry</i>; Vol. 6 (2): 99-106, 2014.
2.	IPS0002	To establish the best procurement time for certain herbs by analyzing the seasonal variation in bioactive secondary metabolite with quantitative HPLC.	CARI Jhansi	Closed	1. Validation of the Best Procurement Season of Arjuna Bark <i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn. by Comparative HPLC and Pharmacognostical Studies; <i>Journal of Drug Research in Ayurvedic Sciences</i>; 3(3):p 165-172, Jul-Sep 2018. DOI: 10.5005/jp-journals-10059-0050 2. Evaluation of the Best Procurement Time for Ashwagandha [<i>Withania</i>

					<i>somnifera</i> (L.) Dunal] Root by Liquid Chromatographic and Pharmacognostical Studies; <i>Journal of Drug Research in Ayurvedic Sciences</i>; October-December 2018;3(4):206-213. DOI: 10.5005/jdras-10059-0053 3. Seasonal evaluation of Shatavarin-IV by HPLC for the best procurement time of <i>Asparagus racemosus</i> Willd. tubers and pharmacognostical studies; <i>Journal of Drug Research in Ayurvedic Sciences</i>; 7(3):p 200-208, Jul–Sep 2022. DOI: 10.4103/jdras.jdras_85_21 4.Aspects of good agricultural practices with references to Endangered species “guggul” (<i>commiphora wightii</i> arn. Bhandari); World Journal of Pharmaceutical and Medical Research; 2019,5(5), 57-64. ISSN 2455-3301 Book: Ayurveda Based Seasonal Collection Practices for Selected Medicinal Plants – A Scientific Appraisal; New Delhi: 58; Central Council for Research in Ayurvedic Sciences (CCRAS), Ministry of AYUSH, Govt. of India; 2019. ISBN:978-81-941489-4-4
3.	IPS0003	RAPD based DNA fingerprinting to understand genetic variations and phytochemical analysis of selected medicinal plants.	RARI Pune	Closed	Publications under Progress

4.	IPS0004	Development of Pharmacopoeial Standards of Traditionally Used Ayurvedic Formulations, NIAPR, Patiala.	CARI Patiala	Closed	Publications under Progress
5.	IPS0005	Documentation, Critical Analysis and Interpretation of Pharmacognostical Data and Parameters of Medicinal Plant Drugs from Different Published Resources, NRIADD Kolkata, NRIBAS Pune, NADRI Bangalore, NIAPR Patiala, CSMDRIADD Chennai and NVARI&H Lucknow.	CARI Kolkata, RARI Pune, CARI Bengaluru, CARI Patiala, CSMCARI Chennai, CARI Lucknow	Closed	Publications under Progress
6.	IPS0006	Pharmacognostical evaluation of medicinal plants cited in Ayurvedic Formulary of India excluding the plants mentioned in Ayurvedic Pharmacopoeia of India, NRIADD Kolkata.	CARI Kolkata	Closed	Publications under Progress
7.	IPS0007	Pharmacognostical evaluation of medicinal plants cited in Ayurvedic Formulary of India excluding the plants mentioned in Ayurvedic Pharmacopoeia of India, NRIBAS Pune.	RARI Pune	Closed	Publications under Progress

8.	IPS0008	Pharmacognostical evaluation of medicinal plants cited in Ayurvedic Formulary of India excluding the plants mentioned in Ayurvedic Pharmacopoeia of India, NADRI Bangalore.	CARI Bengaluru	Closed	Publications under Progress
9.	IPS0009	Pharmacognostical evaluation of medicinal plants cited in Ayurvedic Formulary of India excluding the plants mentioned in Ayurvedic Pharmacopoeia of India, NIAPR Patiala.	CARI Patiala	Closed	Publications under Progress
10.	IPS0010	Pharmacognostical evaluation of medicinal plants cited in Ayurvedic Formulary of India excluding the plants mentioned in Ayurvedic Pharmacopoeia of India, NVARI&H Lucknow.	CARI Lucknow	Closed	Publications under Progress

2015-2016

S.No	Project code	Name of the Project	Name of the Institute	Status of the Project	Status of Publications (Articles/Books/Monographs)
11.	IPS0011	Authentication of selected crude drugs through pharmacognostical evaluation collected	CARI Kolkata	Closed	1.Publication of Monograph & Articles are under Progress.

		from various markets of India.			
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2017-2018

S.No	Project code	Name of the Project	Name of the Institute	Status of the Project	Status of Publications (Articles/Books/Monographs)
12(a)	IPS0012(a)	Pharmacognostical evaluation of medicinal plants cited in Ayurvedic Formulary of India excluding the plants mentioned in Ayurvedic Pharmacopoeia of India, CSMDRIADD Chennai	CSMCARI Chennai	Completed	1.Comparative Powder microscopic and HPTLC Studies on Stem barks of <i>Symplocos racemosa</i> Roxb. and <i>Symplocos crataegoides</i> Ham.; <i>Pharmacognosy Journal</i> ;8(4):346-351. DOI: 10.5530/pj.2016.4.7
12(b)	IPS0012(b)	Qualitative authentication of selected market samples of crude drugs available in various markets of India. CSMCARI Chennai and RARI Jammu	CSMCARI Chennai and RARI Jammu	Completed	1.Authentication and Quality Evaluation of Herbal Crude Drugs from Indian Markets; <i>National Academy Science Letters</i> ; Aug2024;47(2):1-7. DOI: 10.1007/s40009-024-01411-6.
13.	IPS0013	Developing Pharmacognostical Standards for some Ambiguous Ayurvedic Drugs (<i>Sandigdha Dravyas</i>) Appearing in the Ayurvedic Formularies, Parts I to III.	CSMCARI Chennai	Completed	1.Publication of Monograph & Articles are under Progress.

2019-2020

S.No	Project code	Name of the Project	Name of the Institute	Status of the Project	Status of Publications (Articles/Books/Monographs)
14.	IPS0014	Pharmacognostical Evaluation of Medicinal Plants cited in Ayurvedic Formulary of India excluding the plants mentioned in Ayurvedic Pharmacopoeia of India, PART-II at CSMCARI, Chennai.	CSMCARI, Chennai.	Completed	1.Macro-microscopical Evaluation on Pericarp of Terminalia chebula Retz. and its Marketed Formulations; <i>International Journal of Research in Ayurveda and Pharmacy</i> ; 2019;10(4), pp. 82-86. DOI: 10.7897/2277-4343.100491

15(a)	IPS0015(a)	Pharmacognostical Evaluation of Medicinal Plants cited in Ayurvedic Formulary of India excluding the plants mentioned in Ayurvedic Pharmacopoeia of India, PART-II. RARI, Pune.	RARI, Pune.	Completed	1. Quality Aspects of Stem of <i>Cryptolepis dubia</i> (Burm. F.) M. R. Almeida on the basis of Pharmacognostic Physicochemical and Chromatographic Evaluation; <i>Research Journal of Pharmacy and Technology</i>; 2025;18(7):3324-9. DOI: 10.52711/0974-360X.2025.00480 2. Pharmacognostic and phytochemical evaluation of root of <i>Clerodendrum indicum</i> Kuntze; <i>Journal of Drug Research in Ayurvedic Sciences</i>; 2025;10:323-9. DOI:10.4103/jdras.jdras_37_23 3. Pharmacognostic and Phytochemical Evaluation of Staminate Flower of <i>Cocos nucifera</i> L.; <i>Journal Of Natural Remedies</i>; Vol 24 (5) May 2024 1117-1124. DOI: 10.18311/jnr/2024/33215 4. Pharmacognostic and preliminary phytochemical evaluation of root of <i>Coptis teeta</i> wall.; <i>Research Journal of Pharmacy and Technology</i>; 2024;17(5):1933-7. DOI: 10.52711/0974-360X.2024.00306
15(b)	IPS0015(b)	Development of pictorial database of economically important parts of selected medicinal plants (RARI, Pune)	RARI Pune	Completed	1. Publication of Monograph & Articles are under Progress.

16.	IPS0016	Pharmacognostical Evaluation of Medicinal Plants cited in Ayurvedic Formulary of India excluding the plants mentioned in Ayurvedic Pharmacopoeia of India, PART-II at CARI, Kolkata.	CARI, Kolkata.	Completed	1.Establishment of Quality Parameters for Flowers of Karanja[Pongamia pinnata (L.) Pierre] through Power Microscopy and Phytochemical Studies; <i>Journal of Drug Research in Ayurvedic Sciences</i>; October - December 2018; 3(4):228-233. DOI: 10.5005/jdras-10059-0056. 2.Investigation of the pharmacognostical,phytochemical, and antioxidant studies of various fractions of <i>Dichrostachys cinerea</i> root; <i>Journal of Nature and Science of Medicine</i>; 2(3):p 141-146, Jul-Sep 2019. DOI: 10.4103/JNSM.JNSM_56_18
17.	IPS0017	Pharmacognostical Evaluation of Medicinal Plants cited in Ayurvedic Formulary of India excluding the plants mentioned in Ayurvedic Pharmacopoeia of India, PART-II. RARI, Gwalior.	RARI, Gwalior.	Completed	1.Publication of Monograph & Articles are under Progress.

2020-2021

S.No	Project code	Name of the Project	Name of the Institute	Status of the Project	Status of Publications (Articles/Books/Monographs)
18.	IPS0018	Pharmacognostical Evaluation of Medicinal Plants cited in Ayurvedic Formulary of India excluding the plants mentioned in Ayurvedic Pharmacopoeia of	CARI Jhansi.	Concluded	1.Publication of Monograph & Articles are under Progress.

		India, Part II, CARI Jhansi.			
19.	IPS0019	Photographic Atlas on Macro-microscopic Characteristics of Medicinal plants listed in Ayurvedic Pharmacopoeia of India, Part-I, Volume- II, CSMCARI, Chennai.	CSMCARI, Chennai.	Concluded	1.Publication of Monograph & Articles are under Progress.
20.	IPS0020	To establish the best procurement time for certain herbs by analyzing the seasonal variation in bioactive secondary metabolite with quantitative HPLC, PART-II, CARI Kolkata.	CARI Kolkata.	Concluded	1.Correlating traditional harvest practices of roots of medicinal plant <i>Hemidesmus indicus</i> with therapeutic biomolecule levels: with reference to traditional inscriptions; <i>Indian Journal of Traditional Knowledge (IJTK)</i> ; 2025 Feb 18;24(2):93-103. DOI:10.56042/ijtk.v24i2.13803

2021-2022

S.No	Project code	Name of the Project	Name of the Institute	Status of the Project	Status of Publications (Articles/Books/Monographs)
21.	IPS0021	Optimization of extraction process for the enrichment of extract with selected markers of some important Ayurvedic plants at CARI, Kolkata.	CARI, Kolkata.	Ongoing	1.HPTLC based marker and fingerprint analysis coupled with multivariate analysis of different parts of <i>Cyanthillium cinereum</i> from different geographical locations; <i>Chromatographia</i> ; 2025 Feb;88(2):95-106. DOI: 10.1007/s10337-024-04379-z. 2.Investigation of extraction procedure for lupeol from <i>Uraria picta</i> through experimental designing followed by similarity analysis of different parts ; <i>JPC–Journal of Planar Chromatography-Modern TLC</i> ;2025 Sep 22:1-7. DOI: 10.1007/s00764-025-00378-4

22.	IPS0022	Pharmacognostical and chemical profiling of selected Indian medicinal flowers at RARI, Jammu & CARI Kolkata.	RARI, Jammu & CARI Kolkata.	Ongoing	1. Quality Standardization of Flowers of <i>Punica granatum</i> (Dadima) Followed by Multi-marker Analysis in Combination with Multivariate Modeling to Evaluate Different Parts of Flowers and Geographical Variation; <i>Food Analytical Methods</i> ; June 2025. DOI: 10.1007/s12161-025-02830-x .
23.	IPS0023	Comparative pharmacognostical and phytochemical standardization of commonly adulterating Ayurvedic drugs and adulterants, Kolkata, CARI, Kolkata.	CARI, Kolkata.	Ongoing	1. The role of Ursolic acid, a pharmacologically active compound from <i>Ocimum sanctum</i> L. as a potential chemotherapeutic agent; <i>Journal of Current Pharmaceutical Analysis</i> ; 21 (2025) 77–87. DOI: 10.1016/j.cpan.2025.02.001

2022-2023

S.No	Project code	Name of the Project	Name of the Institute	Status of the Project	Status of Publications (Articles/Books/Monographs)
24.	IPS0024	Development of Quality Standards of Selected Extra-pharmacopoeial Drugs (<i>Anukta Dravyas</i>) Used in Local Health Traditions Collected from Different Regions of India. CARI, Kolkata.	CARI, Kolkata.	Ongoing	Publications under Progress
25.	IPS0025	Development of Quality Standards of Selected Extra-pharmacopoeial Drugs (<i>Anukta Dravyas</i>) Used in Local Health Traditions Collected from Different	RARI, Pune.	Ongoing	Publications under Progress

		Regions of India. RARI, Pune.			
26.	IPS0026	Developing Quality Standards for selected Extra-pharmacopoeial Drugs Collected from Irula tribes of Thandarai, Kancheepuram District, Tamil Nadu.	CSMCARI Chennai	Ongoing	Publications under Progress
27.	IPS0027	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, CSMCARI, Chennai.	CSMCARI, Chennai.	Ongoing	Publications under Progress
28.	IPS0028	Development of Quality Standards of Selected Extra Pharmacopoeial (<i>AnuktaDravya</i>) Drugs used in Local Health Traditions collected from different regions of India. CSMCARI, Chennai.	CSMCARI, Chennai.	Ongoing	Publications under Progress
29.	IPS0029	Development Of Quality Standards of Selected Extra-Pharmacopoeial Drugs(<i>AnuktaDravyas</i>) Used in Local Health Traditions Collected from Different Regions of India. RARI, Gwalior.	RARI, Gwalior.	Ongoing	Publications under Progress

2023-2024

S.No	Project code	Name of the Project	Name of the Institute	Status of the Project	Status of Publications (Articles/Books/Monographs)
30.	IPS0030	Macroscopic and microscopic atlas preparation for Ayurvedic Pharmacopeia of India Part -I, Vol-IV. RARI Gwalior.	RARI, Gwalior.	Ongoing	Publications under Progress
31.	IPS0031	Development of Quality Standards for Useful Parts of Selected Medicinal Plants of Ayurveda. RARI Gwalior.	RARI, Gwalior.	Ongoing	Publications under Progress
32.	IPS0032	Development of Quality Standards for Useful Parts of Selected Medicinal Plants of Ayurveda. CARI Kolkata.	CARI Kolkata.	Ongoing	Publications under Progress
33.	IPS0033	Development of Quality Standards for Useful Parts of Selected Medicinal Plants of Ayurveda. CSMCARI, Chennai.	CSMCARI, Chennai.	Ongoing	Publications under Progress
34.	IPS0034	Development of Quality Standards for Useful Parts of Selected Medicinal Plants of Ayurveda. CARI, Jhansi.	CARI, Jhansi.	Ongoing	Publications under Progress
35.	IPS0035	Macroscopic and microscopic atlas preparation of selected plants of Ayurvedic importance, CARI, Jhansi.	CARI, Jhansi.	Ongoing	Publications under Progress

36.	IPS0036	Anthology of pharmacognostical research outcomes of CCRAS on selected medicinal plants used in the Ayurveda at CCRAS hqrs.	CCRAS hqrs.	Ongoing	Book: 1. Quality standards of important Ayurvedic plants- Vol-I ; New Delhi 58; Central Council for Research in Ayurvedic Sciences (CCRAS); Ministry of AYUSH, Govt. of India; 2023.
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2025-2026

S.No	Project code	Name of the Project	Name of the Institute	Status of the Project	Status of Publications (Articles/Books/Monographs)
37.	IPS0037	<i>Insilico</i> screening of various substitutes prevalent in the name of <i>Rohitaka</i> .	CARI Kolkata	Ongoing	Project Newly initiated

Collaborative projects - Pharmacognosy

2023-2024

S.No	Project code	Name of the Project	Participating Institute	Collaborating Institute	Status	Status of Publications (Articles/Books/Monographs)
1.	CPS0001	Identification of adulterants/substitutes for Ayurveda plant raw material in trade using pharmacognostic and phytochemical parameters.	CARI, Jhansi	NBRI Lucknow	Ongoing	1.Integrating a greener RP-HPLC method and chemical pattern recognition for the identification of <i>Acorus calamus</i> L. and its common adulterants in Indian markets; <i>Journal of Analytical Methods</i> ; 2025;17, 1477-1486. DOI:10.1039/D4AY02102A
2.	CPS0002	Development of Quality Standards of <i>Elsholtzia</i> Species and Assessment of Efficacy in Gastric	RARC Dimapur	NIPER Guwahati	Ongoing	Publications under Progress

		Inflammatory Conditions (in- vitro and in-vivo models)				
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