

DIRECTORATE OF MEDICINAL & AROMATIC PLANTS RESEARCH
Boriavi – 387310, Anand, Gujarat

List of ongoing institute projects

Sr. No.	Project no.	Title	Principal investigator	Date of start	Date of Completion
1	PI/DMAPR/CI/2009/F-16	Standardization of <i>in vitro</i> techniques for mass multiplication of <i>Plantago ovata</i> Forsk: strategies of selection for dihaploids and mutation study.	Dr. Vinay Kumar, Scientist (Plant Biotechnology)	December 2007	November 2015
2	PI/DMAPR/CI/2009/F-29	Modified mass selection in Palmarosa (<i>Cymbopogon martini</i> Stapf. Var. motia) for higher yield and quality.	Dr. G.R. Smitha, Scientist (SS) (Horticulture)	February 2009	January 2014
3	PI/DMAPR/2009/F-33	Assessment of the Genetic diversity of Ashwagandha (<i>Withania somnifera</i> Dunal) germplasm using molecular markers.	Dr. Vinay Kumar, Scientist (Plant Biotechnology)	August 2009	August 2014
4	PI/DMAPR/2009/F-34	Development of herbal beverages from some medicinal plants by blending with spices and fruit juices.	Dr. G. R. Smitha, Scientist (SS) (Horticulture)	October 2009	October 2014
5	PI/DMAPR/2010/F-35	Breeding Senna (<i>Cassia angustifolia</i> Vahl.) for the improvement of sennosides content and herbage yield.	Dr. R. Nagaraja Reddy, Scientist (Plant Breeding)	July 2010	June 2015
6	PI/DMAPR/2010/F-36	Loss assessment and management of important diseases of selected medicinal crops.	Dr. Vanita Salunkhe, Scientist (Plant Pathology) (till 19 th April, 2014)	July 2010	June 2014
7	PI/DMAPR/2010/F-37	Isolation, identification and quantification of major chemical constituents of <i>Tinospora cordifolia</i> .	Dr. Narendra A. Gajbhiye, Sr. Scientist (Organic Chemistry)	July 2010	July 2014
8	PI/DMAPR/2010/F-39	Epidemiological investigation of Isabgol downy mildew.	Dr. Vanita Salunkhe, Scientist (Plant Pathology) (till 19 th April, 2014)	November 2010	October 2015
9	PI/DMAPR/2011/F-41	Standard Operating protocol development for characterization of lead phytochemicals from some of the mandate crops using high performance liquid chromatography (HPLC)	Dr. Satyanshu Kumar, Principal Scientist (Organic Chemistry) Co PI: Dr. Narendra A. Gajbhiye, Sr. Scientist (Organic Chemistry)	January 2011	January 2014

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10	PI/DMAPR/2011/F-42	Repository of marker compounds from mandate medicinal plants.	Dr. Satyanshu Kumar, Principal Scientist (Organic Chemistry)	January 2011	January 2014
11	PI/DMAPR/2011/F-43	Design and development of Isabgol dehusker.	Dr. Raghuraj Singh, Scientist (Agril. Engineering)	May 2011	April 2015
12	PI/DMAPR/2010/F-44	Evaluation of secondary and trace elements availability in soil and standardize their level of application in Senna (<i>Cassia angustifolia</i>) and Isabgol (<i>Plantago ovata</i>) in respect to improve yield and quality.	Dr. B. B. Basak, Scientist (Soil Science)	May 2011	April 2014
13	PI/DMAPR/2011/F-45	Development of good agricultural practices for Mandukaparni (<i>Centalla asiatica L.</i>)".	Dr. R.S. Jat, Sr. Scientist (Agronomy)	July 2011	July 2014
14	PI/DMAPR/2012/F-46	Management of IT applications on Medicinal & Aromatic Plants.	Dr. Srinivasa Rao, Scientist (Computer Application) (till July, 2013) PI: Dr. Geetha, K.A., Principial Scientist (Plant Breeding) (From July, 2013 onwards)	March 2012	March 2015
15	PI/DMAPR/2012/F-47	Management of soil borne plant pathogens in medicinal and aromatic plants.	Dr. Vanita Salunkhe, Scientist (Plant pathology) (till 19 th April, 2014)	March 2012	March 2015
16	PI/DMAPR/2012/F-48	Standardization of biochemical techniques for identification of enzymes involved in mucilage biosynthesis in Isabgol (<i>Plantago ovata</i>).	Dr. Ruchi Bansal, Scientist (Plant Physiology)	March 2012	March 2014
17	PI/DMAPR/2012/F-49	Evaluation of various management strategies for development of IPM module of <i>Catopsilia pyranthe</i> in Indian Senna <i>Cassia angustifolia</i> Vahl.	Dr. Thania Sara Varghese, Scientist (Entomology)	August 2012	September 2017
18	PI/DMAPR/CM/2013/F-50	Determination of pesticide residue in five economically important medicinal plants of India.	Dr. Vandana Tripathy, Senior Scientist (Agril. Chemicals)	February 2013	January 2016

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19	PI/DMAPR/CM/2013/F-51	Preparation, characterization and evaluation of value added compost by utilizing medicinal and aromatic plants residues and naturally occurring mineral under good agricultural practices.	Dr. B.B. Basak, Scientist (Soil Science)	September 2013	August 2017
20	PI/DMAPR/CI/2013/F-52	Induction of polyploidy in senna (<i>Cassia angustifolia</i> Vahl).	Dr. R. Nagaraja Reddy, Scientist (Plant Breeding)	July 2013	July 2016
21	PI/DMAPR/CM/2013/F-53	Development of minimum seed standard in medicinal plants.	Dr. Ruchi Bansal, Scientist (Plant Physiology)	September 2013	August 2017
22	PI/DMAPR/CM/2013/F-54	Development of Good Agricultural Practices for Kalmegh (<i>Andrographis paniculata</i>).	Dr. R.S. Jat, Sr. Scientist (Agronomy)	July 2013	July 2015
23	PI/DMAPR/CM/2014/F-55	Study of accumulation pattern of major diterpenoid lactones at different growth stages of selected lines of Kalmegh (<i>Andrographis paniculata</i>)	PI: Dr. N.A. Gajbhye, Senior Scientist (Organic Chemistry) Co-PI: Dr. Geetha, K.A., Principal Scientist (Plant Breeding)	July 2014	June 2017
24	PI/DMAPR/CM/2014/F-56	Management of Aphids in medicinal plants with special reference to <i>Aphis gossypii</i> in Isabgol and <i>Aphis nerii</i> in Dodi	Dr. Thania Sara Varghese, Scientist (Entomology)	October 2014	October 2014
25	PI/DMAPR/CI/2014/F-57	Structural and cytogenetic investigation of Male sterility in Isabgol (<i>Plantago ovata</i>)	Dr. Geetha, K.A., Principal Scientist (Plant Breeding)	November 2014	October 2019