

INDIAN INSTITUTE OF NATURAL RESINS AND GUMS
NAMKUM, RANCHI - 834 010
LIST OF APPROVED RESEARCH PROJECTS FOR THE YEAR 2013-2014

Core Program - I : Productivity and Quality Improvement

Project No.	Title of the Project	Name of Investigators	% time	Year of start	Year of completion
1.1.005 (Old No.I.II.2)	Host plant evaluation and improvement for lac productivity & summer sustainability	Dr. J. Ghosh Dr. S. Ghosal Dr. V.D. Lohot Dr. Vibha Singhal	50 05 25 25	April, 2007	July, 2014
1.1.028 (New)	Potentiality trials of <i>Kerria chinensis</i> on new lac host plants	Dr. A. Mohanasundaram Dr. K. K. Sharma	25 15	January, 2012	December, 2015
1.1.031	Collection, conservation, characterization and documentation of lac insect and host plant biodiversity (Phase-II)	Dr. K. K. Sharma Dr. A. Mohanasundaram Dr. V. D Lohot Dr. J Ghosh Dr. Thamilarasi, K	15 20 50 25 25	April, 2012	March, 2017

Core Program - II : Crop Production System Management

1.1.008 (Old No.I.III.10)	Lac Integrated Farming System	Dr. Vibha Singhal Dr. A.K. Singh Sri S.C. Meena	50 25 25	April, 2011	March, 2015
1.1.009 (Old No.I.III.11)	Development of spraying schedule of fungicides for management of sooty mold in winter kusmi lac crop.	Dr. A. K. Singh Dr. A. Bhattacharya	40 10	April 2011	March 2014
1.1.029	Study of variation of lac associated fauna in relation to different host plants.	Sri S. C. Meena Dr. A. Mohanasundaram Dr. Md. Monobrullah	35 10 20	February, 2012	January, 2015
1.1.030	Influence of macro / micronutrients on kusmi lac production in comparison to standard package on <i>Flemingia semialata</i>	Dr. S. Ghosal Mr. S. C. Meena	25 25	July, 2011	June, 2014

Core Program -III : Processing, Storage and Quality Management

1.2.013 (Old No.I.VI.6)	A comparative study of different drying methods on drying kinetics and quality of gum karaya	Er. M. Prasad Dr. M. Z. Siddiqui	50 25	April, 2011	September, 2013
1.2.014 (Old No.I.VI.7)	Development of dehumidified air drying methods/ systems for drying of value added lac products	Er. S.K. Pandey Dr. S.C. Sharma	20 15	January, 2011	March, 2014

1.2.031	Intrinsic chemical variability, amino acid profiling and anti bacterial activity of Indian Babool gum from different agro climatic zones.	Dr. M.Z. Siddiqui Dr. K. Tamilarasi	40 10	April, 2012	March, 2014
1.2.032	Design and development of integrated small scale lac processing unit for conversion of sticklac - seedlac	Dr. S C Sharma Er. S K Pandey Dr. N Prasad	20 20 15	April, 2012	March, 2014
1.2.039 (NEW)	Characterization, chemical profiling and evaluation of Gum Ghatti (<i>Anogeissus latifolia</i> Wall.)	Mr. N Thombarf Dr. A R Chowdhury Dr. Sanjay Srivastava, Shri Dr. Thamilarasi	40 20 20 10	July, 2013	June, 2015
Core Program - IV : Value Addition, Application Development and Product Diversification					
1.2.011 (Old No.I.V.5)	Use of natural gum/ lac for conserving natural characteristics and shelf life of select fruit and seed spices, through encapsulation	Dr. P.C. Sarkar Dr Gopal Lal (NRC-SS)	25	October 2010	September, 2013
1.2.012 (Old No.I.V.6)	Development of natural resin/ gum based sticker bindi	Dr. K.P. Sao Dr. A. Roy Chowdhury	75 20	April 2011	September, 2013
1.2.033	Utilization of lac wax and lac dye for use as PGR and anti fungal agent.	Dr. S. Srivastava Dr. A.Roy Chowdhury Dr. Suresh Walia (IARI) Dr. Supradip Saha (IARI)	25 20 20	April, 2012	March, 2014
1.2.034 (New)	Development of crack cream formulation based on Palas and moringa gum	Sri S K S Yadav Dr S Srivastava	50 15	April 2012	March, 2014
1.2.035 (New)	Modification of gummy mass for its application	Sri M F Ansari Dr. P C Sarkar	50 25	April, 2012	March, 2014
1.2.040 (NEW)	Synthesis and Evaluation of Guar Gum Derivatives	Dr. A Roy Chowdhury Mr. N Thombare Dr. Sanjay Srivastava	20 20	July, 2013	June, 2015
Core Program - V: Capacity Building of Farmers and Entrepreneurship Development					
1.3.037 (New)	Learning, capacity building, extension education and information service on Natural Resin and Gums	Dr. A.K. Jaiswal Dr. J.P. Singh Dr. R K Singh Shri S K S Yadav Dr. N. Prasad	25 25 10 25 10	April, 2012	March, 2017
Core Program: -VI: Technology Evaluation, Refinement, Dissemination and Demonstration					
1.3.038 (New)	Development and validation of IPM modules for the management of predators and parasitoids associated with lac insect, <i>Kerria lacca</i> (Kerr)	Dr. J.P. Singh Dr. A K Jaiswal	40 25	July, 2012	June, 2016

1.3.017 (Old No.I.IX.3)	Demonstration of lac cultivation technologies under farmer's field condition.	Dr. R.K Singh Dr. A Bhattacharya Dr. A.K Singh Dr. S. Ghosal Dr. Md. Monobrullah	25 25 25 05 10	April, 2011	March, 2014
1.3.036 (New)	Market research for production and marketing of natural resins and gums	Dr. A. Bhattacharya Dr. R.K. Yogi	20 50	April, 2012	March, 2017
1.3.041 (NEW)	Evaluation of lac mud as organic manure	Dr. A. K. Singh	40	June 2013	June, 2016
1.3.042 (NEW)	Impact assessment of technological interventions and constraints analysis of lac cultivation.	Dr. R. K. Yogi	25	July, 2013	July, 2016
NAIP Projects					
2.1.018 (Old No.Ex.I.1)	To understand the nature of diversity in lac insects of <i>Kerria spp.</i> in India and the nature of insect x host interaction (NAIP- Component -4)	Dr. K. K. Sharma Dr. Thamilarasi, K Dr. A. Mohanasundaram	20 25 10	January, 2009	March, 2014
2.2.019 (Old No.Ex.VI.1)	A value chain on lac and lac based products for domestic and export markets. (NAIP- Component -2)	Dr. N. Prasad Dr. S. Srivastava Dr. S. K. Pandey Dr. S. C. Sharma Dr. S. Ghosal	30 20 20 25 25	January, 2009	March, 2014
2.2.020 (Old No Ex. VII.3)	Developing sustainable framing models for prioritized micro water shed in rainfed area in Jharkhand with BAU, Ranchi. (NAIP Component- 3)	Dr. A.K. Jaiswal	10	2007-08	December, 2014
Externally Funded Projects					
2.1.023 (Old No.Ex. III.2)	Production of summer <i>kusmi</i> broodlac on <i>kusum</i> for promotion of lac cultivation in Gujarat with farmer's participation. (Forest Department, Silva Division, Gujarat)	Dr. Md. Monobrullah	15 05	July, 2010	June, 2014
2.3.027 (NICRA Sponsored)	Climate change and lac crop performance	Dr. Md. Monobrullah Dr. Mohanasundaram Dr. R.K. Singh	35 25 15	August 2011	August, 2014
2.3.039 (Jharkhand Govt. Sponsored)	Lac cultivation and processing unit establishment.	Dr. J.P. Singh Dr. R.K. Yogi	10 25	October, 2012	October, 2014

FQ 3029 (NFBSFARA sponsored)	Jute based bio-composites for industry	Er. S.K. Pandey Sh. M. Fahim Ansari Sh. N. Thombare	20 30 20	June, 2012	May, 2015
Network Projects					
3.2.026 (Old No. Ex.IX.1)	Network project on harvesting, processing and value addition of natural resin and gums (ICAR)	Dr. N. Prasad Dr. M.Z. Siddiqui Mr. M.F. Ansari Mr. S.K.S. Yadav Dr. S. Srivastava Dr. S. C. Sharma	20 15-30 20 20 20 30	February, 2009	January, 2014
Collaborative and Exploratory Studies					
AF 05.10	Lac based agro-forestry in Bundelkhand region: Introduction and evaluation	Dr S Ghosal Dr. Md. Monobrullah	05 05	July, 2008	July, 2014
Collaborative	Studies on lac based coating formulations for extended shelf life of Nagpur mandarin (C. reticulata Blanco) fruits	Dr P C Sarkar <i>Dr Dinesh Kumar - (NRCC)</i>	25	October, 2010	September, 2013 <i>March 2014</i>

Note: The Scientist listed at serial no. - 1 against each project would act as the Project Leader / Principal Investigator, and others as Co P.I.

(A. Bhattacharya)
I/C PMEC

(R. Ramani)
Director & Chairman IRC

Explanation for coding of the Project Nos.

- (i) First number will indicate category of projects (1) Institute Project (2) Externally Funded Project (3) Network Project
- (ii) The second number will indicate the Divisions (1) LPD (2) PPDD (3) TOT
- (iii) The third number will indicate the project number

Example

- (1) 1.1.001 - 1 - Indicates Institute Project; 1 - Indicate Lac Production Division and **001** - Indicates Project No.
- (2) 1.2.010 - 1 - Indicates Institute Project; 2 - Indicate PPD Division and **010** - Indicates Project No.
- (3) 1.3.017 - 1 - Indicates Institute Project; 3 - Indicate TOT Division and **017** - Indicates Project No.
- (4) 2.2.019 - 2 - Indicates Externally funded project; 2 - Indicates PPD Division and **019** - Indicates Project no.
- (5) 3.2.026 - 3 - Indicates Network project; 2 - Indicates PPD Division and **026** - Indicates Project no.