

CIRCULATED to  
Scientists of the Div. for  
suggestions if any.

Core Program - I : Productivity and Quality Improvement

LIST OF APPROVED RESEARCH PROJECTS FOR THE YEAR 2016-2017

Sl.	Project No.	Title of the Project	Name of Investigators	% time	Year of start	Year of completion
1	1.1.031	Collection, conservation, characterization and documentation of lac insect and host plant bio-diversity and potentiality trials	Dr. V. D. Lohot Dr. A. Mohanasundaram Dr. K. K. Sharma Dr. J. Ghosh Dr. Thamilarasi K	25 25 15 20 10	April 2012	March 2017
2	1.1.049	Integrated nutrient management and vegetative propagation technique for quick establishment of <i>Kusum</i> ( <i>Schleichera oleosa</i> (Lour.) Oken)	Dr. S. Ghosal Mr. S. S. Bhat Dr. V.D. Lohot	45 25 10	May 2014	June 2018
3	1.1.056	Development and evaluation of lac production practices for <i>swadi palas</i> for productivity and two bushy hosts- <i>arhar</i> and <i>semialata</i> for summer sustainability	Dr. J. Ghosh Dr. V. D. Lohot Dr. S. Ghosal Dr. K. U. Tribhuvan	40 15 10 10	July 2014	March 2018
4	1.1.064	Identification and cloning of putative key genes involved in terpene biosynthesis of the Indian lac insect, <i>Kerria lacca</i> (Kerr)	Dr. Thamilarasi K Mr. Anees K	25 ?	August 2015	July 2018

Core Program - II : Crop Production System Management

5	1.1.047	Tritrophic interaction in lac ecosystem	Dr. A. Mohanasundaram Dr. Md. Monobrullah Dr. M.F. Ansari Mr. Anees K	25 15 10 ?	February 2012	June 2017
6	1.1.048	Carbon sequestration under different lac host based land use systems	Dr. S. S. Bhat Dr. S. R. Meena, Sci., ICAR-IIAB	25 ?	June 2014	May 2017
7	1.1.057	Management of stem Canker disease of <i>Flemingia semialata</i> , a commercial lac host	Dr. A. K. Singh	70	April 2015	December 2016

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As co-PI's are from BIT, Mesra, their % time is not mentioned. Sadigya Yatal 13.6.16.

Approved 14.6.16

8	1.1.058	Lac Integrated Farming System- Phase II	Dr. S. S. Bhat Dr. S. R. Meena, ICAR-IIAB (till Sept., 2016) Mr. Asish Kumar Rout	40 10 ?	April 2015	March 2019
9	1.1.059	Effect of abiotic factors on lac associated fauna in <i>rangeeni</i> crops	Dr Md. Monobrullah Dr. A. Mohanasundaram Mr. Asish Kumar Rout	25 10 ?	October 2014	July 2018
<b>Core Program -III : Processing, Storage and Quality Management</b>						
10	1.2.060	Development of pilot-plant of dewaxed decolourized lac (DDL) for training, demonstration and process refinement.	Er. S. K. Pandey Dr. S. C. Sharma Dr. N. Prasad	40 25 15	April 2015	March 2017
11	1.2.061	Control of deacetylation in gum <i>karaya</i> on storage for quality retention.	Dr. S. Srivastava Dr. S.C. Sharma Dr. A. Roy Chowdhury	✓ 30 20 15	April 2015	March 2017
12	1.2.066	Biodegradation studies on lac resin using soil burial method processing.	Dr. P. C. Sarkar Dr. M. F. Ansari Dr. S. Maurya, ICAR-RCER, Plandu	50? ? 10?	April 2016	March 2019
<b>Core Program -IV : Value Addition, Application Development and Product Diversification</b>						
13	1.2.062	Synthesis and evaluation of cross-linked guar gum hydrogels for application in bio-remediation and in agriculture	Mr. N. Thombare Dr. M. Z. Siddiqui Dr. Usha Jha, BIT, Mesra Dr. Sumit Mishra, BIT, Mesra	25 30 10 0- 0-	April 2015	March 2017
14	1.2.063	Green synthesis of silver nanoparticles capped in gum <i>Acacia</i> for bactericidal application	Dr. M. Z. Siddiqui Dr. A. Roy Chowdhury Mohd. Ali, Ch. Jamkhori, Mesra	40 15 60%	April 2015	March 2018
15	1.2.065	Development of coating formulation for paper packaging materials	Dr. M. F. Ansari Dr. N. Prasad	50 10 25%	July 2015	June 2018
16	1.2.067	Modification of guar and arabic gum for potential use as dietary fibre.	Dr. A. Roy Chowdhury Dr. Sanjay Srivastava Dr. Saurabh Swami Dr. Thamilarasi K	40 20 50 10	April 2016	March 2018
17	1.2.068	Natural gum based adsorbents for removal of heavy metals from water.	Mohd. Ali Mr. N. Thombare	60? 25%	April 2016	March 2018

Core Program - V: Capacity Building of Farmers and Entrepreneurship Development					
18	1.3.037	Learning, capacity building, extension education and information service on Natural Resins and Gums	Dr. A. K. Jaiswal Dr. Alok Kumar Dr. S. K. S. Yadav Dr. N. Prasad	25 25 25 10	April 2012 March 2017
Core Program -VI: Technology Evaluation, Refinement, Dissemination and Demonstration					
19	1.3.038	Development and validation of IPM modules for the management of predators and parasitoids associated with lac insect, <i>Kerria lacca</i> (Kerr)	Dr. A. K. Jaiswal	25	July 2012 March 2017
20	1.3.042	Evaluation of lac mud as organic manure	Dr. A. K. Singh Dr. S. Ghosal	25 25	June 2013 September 2016
21	1.3.043	Impact assessment of technological interventions and market research on natural resins and gums (NRGs)	Dr. R. K. Yogi Dr. Alok Kumar	25 25	April 2012 March 2017
22	1.3.050	Information & Communication Technology (ICT) intervention on natural resins and gums knowledge dissemination system	Dr. Alok Kumar Dr. A. K. Jaiswal Dr. R. K. Yogi Dr. S. K. S. Yadav	25 25 25 25	July 2014 July 2017
23	1.3.051	Standardization of package of practices for <i>rangeeni</i> lac cultivation on <i>Flemingia semialata</i>	Dr. A. K. Singh	25	April 2014 September 2017
Network Projects					
25	3.2.026	Network project on harvesting, processing and value addition of natural resins and gums (ICAR)	Dr. N. Prasad (PC) <del>Dr. M. Z. Siddiqui</del> <del>Dr. S. C. Sharma</del> <del>Mr. N. Thombare</del> <del>Dr. V. D. Lohot</del>	<del>25</del> 15 20 20 <del>10</del> 05	February 2009 March 2017
	3.2.026.01	Field guide for identification of major resin and gum producing plants	Mr. N. Thombare Dr. V. D. Lohot Dr. N. Prasad	25 10 10	April 2015 March 2017
	3.2.026.02	Development and antibacterial activity of <i>Buchanania lanzan</i> (piyar) gum-based silver nanoparticles	Dr. M. Z. Siddiqui Dr. A. Roy Chowdhury	30 15	October 2015 March 2017

*Signature*  
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26	3.1.054	Network project on conservation of lac insect genetic resources	Dr. Md. Monobrullah (PC) Dr. A. Mohanasundaram Dr. Thamilarasi K Dr. V.D. Lohot Mr. Anees K	25 20 20 10 ?	November 2014	March 2017
	3.1.054.01	Elemental budgeting of lac production system in <i>Flemingia semialata</i> for sustainable lac insect-host plant eco-system.	Mr. Anees K Dr. V. D. Lohot	? ?	January 2016	March 2018
27	3.3.066	Network project on high value compounds and phytochemicals	Dr. S. K. S. Yadav Dr. S. Srivastava	25 √20	October 2014	March 2017
<b>Externally Funded Projects</b>						
24	2.3.039 (Jharkhand Govt. Sponsored)	Lac cultivation and processing unit establishment.	Dr. A. K. Singh Dr. R. K. Yogi	25 25	October 2012	September 2016

(Md. Monobrullah)  
I/C PMEC

(K. K. Sharma)  
Director

**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