

**INDIAN INSTITUTE OF NATURAL RESINS AND GUMS**  
**NAMKUM, RANCHI - 834 010**

**LIST OF APPROVED RESEARCH PROJECTS FOR THE YEAR 2010-2011**

<b>Core Program - I : Insect Improvement</b>				
<b>Project No.</b>	<b>Title of the Project</b>	<b>Name of Investigators/ % of time devoted</b>	<b>Year of start</b>	<b>Year of completion</b>
I.I.1	Collection, conservation, characterization and documentation of lac insect bio-diversity	Dr. K. K. Sharma (25%), Sri R. Ramani (10%)	2007-08	March, 2012
I.I.2	Field evaluation of promising lac insect races, lines and breeds for higher productivity and superior performance	Dr. Md. Monobrullah (30%) Dr. K.K. Sharma (20%)	July, 2007	Oct, 2011
I.I.3	In Vitro culturing of lac insect cells	Dr. Thamilarasi, K (50%) Mr. Anees, K. (20%)	September, 2009	August, 2012
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 (NAP- Component -4)	Dr. R. Ramani (35%) Dr. K. K. Sharma (20%) Mr. Anees, K. (30%) Dr. Thamilarasi, K (20%)	January, 2009	March, 2012
<b>Core Program - II : Host Improvement</b>				
I.II.1	Collection, conservation, characterization and documentation of lac host bio-diversity	Dr. Vaibhav D (60%) Dr. S. Ghosal (25%) Dr. Thamilarasi, K (20%)	2007-08	March, 2012
I.II.2	Host plant evaluation and improvement for lac productivity & summer sustainability	Dr. S. Ghosal (40%) Dr. Vaibhav D (30%)	April, 2007	March, 2013

I.IV.5	Synthesis of hydrogel from gum acacia and gum karaya for their comparative evaluation in drug release	Shri S.K. S. Yadav (50%) Dr. S. Srivastava (25%) Dr. R. K. Dey (BIT)	April, 2008	March, 2011
<b>Core Program – V: Surface Coating and Use Diversification.</b>				
I.V.1	Development of surface coating formulation based on shellac synthetic resin/polymer blends	Sri M.F. Ansari (50%)	July, 2007	March, 2011
I.V.3	Preparation & market evaluation of heat & water proof shellac varnishes for wooden surfaces & air drying type shellac based glazing varnishes	Dr (Ms) M.Z. Siddiqui (25%) Dr. M. Prasad (10%)	July, 2007	June, 2010
<b>Core Program –VI : Processing and Storage</b>				
Ex.VI.1	A value chain on lac and lac based products for domestic and export markets. (NADP Component -2)	Dr. N. Prasad (30%) Dr. S. Srivastava (25%) Dr. S. K. Pandey (30%) Dr. S. K. Giri (30%) Dr. S. Ghosal (20%) Dr. G. Pal (20%)	January, 09	May, 2012
<b>Core Program – VII: HRD (Human Resource Development)</b>				
<b>Project No.</b>	<b>Title of the Project</b>	<b>Name of Investigators</b>	<b>Year of start</b>	<b>Year of completion</b>
I.VII.1	Training, demonstration, extension education and information service on lac culture, processing and product development	Dr. A.K. Jaiswal (30%) Dr. N. Prasad (20%) Dr. J.P. Singh (20%) Dr. G. Pal (20%)	April, 2009	March, 2012
Ex.VII.1	Enhancing livelihood options for poor tribal families of the JHARKHAND state through capacity building in cultivation of lac and its value addition (JLDS)	Dr. K.K. Sharma (25%)	January, 2006	March, 2011

Exploratory trial	Impact of pitcher irrigation with fertigation (Urea) on shooting response and <i>Kusmi</i> lac yield on <i>ber</i>	Mr. R. K. Singh (25%)	January, 09	December, 2012
ICRAF collab. Experiment	Developing gums & resins based agroforestry models their harvesting and processing to marketable refined produce.	Dr. Md. Monoburrah (20%)	January, 2010	December, 2014
TRIFED Sponsored	National Action Plan (NAP) for sustainable income generation of tribals through cultivation and processing of lac.	Dr. J. P. Singh (20%)	January, 2010	December, 2012

- Note: 1. *Institute funded project*; EX: *Externally funded project*.  
2. The scientist listed at serial no.-1 against each project would act as the Project Leader (Principal investigator)/ PI, and others as Co P.I.

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11.5.10  
(A.K. Jaiswal)  
I/C RMU

*Ajay Bhattacharya*  
11/05/2010  
(Ajay Bhattacharya)  
Director & Chairman IRC

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