

INDIAN LAC RESEARCH INSTITUTE
NAMKUM, RANCHI - 834 010

LIST OF APPROVED RESEARCH PROJECTS FOR THE YEAR - 2007-2008

Core Program - I : Insect Improvement				
Project No.	Title of the Project	Name of Investigators/ % of time devoted	Year of start	Year of completion
I.I.1 (I.1.1 & I.1.6)	Collection, conservation, characterization and documentation of lac insect bio-diversity	Dr K. K. Sharma (25%). Sri R. Ramani (10%) Dr. Monobrullah (20%)	2007-08	Long term project
I.I.2 (I.1.5)	Field evaluation of promising lac insect races, lines and breeds for higher productivity and superior performance	Dr. Monobrullah (50%) Dr. K.K. Sharma (25%) Dr. R. Ramani (15%) Sri. Y.D. Mishra (20%)	2007-08	Oct., 2011
Ex. I.1 (Ex. 1.2)	Application of molecular fingerprinting for genetic characterisation of races and species of lac insect	Dr. R. Ramani (10%) Dr. D. Saha (10%) Dr. J. Nagaraju (Consultant)	2003-04	Sept, 2007
Core Program - II : Host Improvement				
I.II.1 (I.1.6)	Collection, conservation, characterization and documentation of lac host bio-diversity	Sri. S.C. Srivaastava (60%) Sri Y.D. Mishra (10%) Dr. D. Saha (30%) Dr. S. Ghosal (10%)	2007-08	Long Term Project
I.II.2 (I.1.3 & I.1.4)	Host plant evaluation and improvement for lac productivity and summer sustainability.	Dr. R. Ramani (20%) Sri Y.D. Mishra (20%) Sri S.C. Srivastava (30%)	2007-08	Oct., 2013
I.II.3	Clonal propagation of <i>Schleichera oleosa (kusum)</i> , a major lac host plant through tissue culture	Dr. D. Saha (50%) Sri Y.D. Mishra (5%)	2007-08	2009-2010

Dr. Anwar

29/10/07

Core Program – III : Crop Production				
I.III.1 (I.2.5)	Studies on <i>in-situ</i> moisture conservation technique for raising mixed plantation of <i>ber</i> and <i>kusum</i>	Sri. R.K. Singh (50%) Dr. B.P. Singh (15%)	2005 - 2006	2008 - 2009
I.III.2 (I.2.7)	Development of <i>kusum</i> lac cultivation technology on <i>Albizia procera</i> (<i>Siris</i>)	Dr. A.K. Jaiswal (15%) Dr. A. Bhattacharya (10%)	June, 2006	2010-2011
I.III.3	Collection, identification and assessment of the diseases of commercial lac hosts	Dr. A.K. Singh (30%)	2007-08	2008-09
I.III.4	Management of sooty mould, causing lac insect death and failure of lac crop	Dr. A.K. Singh (30%)	2007-08	Dec., 2010
I.III.5	Soil fertility management of <i>ber</i> (<i>Z. mauritiana</i>) for shoot growth and lac yield (<i>aghani</i>)	Dr S. Ghosal, Scientist (50%) Sri Y.D. Mishra (10%)	2007-08	2009-2010
Ex. III.1 (Ex 2.3)	Development of lac production system using high density <i>ber</i> plantation under semi protected conditions (NABARD sponsored)	Dr. R. Ramani (20%) Dr. K.K. Sharma (10%) Dr. B.P. Singh (10%)	June, 2006	May, 2009
Core Program –IV : Synthesis and product development				
Project No.	Title of the Project	Name of Investigators	Year of start	Year of completion
I.IV.1 (I.3.2.)	Comparative study on the physico-chemical properties of lac from various lac producing countries	Dr. S. Srivastava (35%) Sri. M.F. Ansari (25%)	2004 – 2005	Sept, 07
I.IV.2 (I.4.4.)	Field evaluation of PGR and insect attractant / repellants derived from aleuritic acid.	Dr. R.N. Majee (50%) Dr. A. Bhattacharya (10%) Sri. S.C. Srivastava (10%)	2004 – 2005	Sept., 2007

Core Program – V : Surface Coating and Use Diversification.				
Project No.	Title of the Project	Name of Investigators	Year of start	Year of completion
I.V.1	Development of surface coating formulation based on shellac synthetic resin/polymer blends	Sri M.F. Ansari (40%) Dr. Bangali Baboo (10%)	2007-08	2009-10
I.V.2	Documentation & characterization of physico-chemical properties of plant based gums of commercial importance	Dr. K.P. Sao (65%) Dr.(Ms) M.Z. Siddiqui (40%)	2007-08	2009-10
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 (40%) Dr. M. Prasad (10%)	2007-08	2008-09
I.V.4	Comparative performance of water soluble lac varnishes and their keeping quality by using different alkalies	Sri P.M. Patil (75%) Dr. K.M. Prasad (10%)	2006-07	March, 2008
Core Program –VI : Processing and Storage				
I.VI.1 (I.3.4)	Establishment of commercially viable pilot plant for preparing pure / food grade lac dye	Dr. K.M. Prasad (40%) Dr. M. Prasad (30%) Sri. S.K. Pandey (25%) Dr. S. Srivastava (20%)	2004 - 2005	March, 2008
I.VI.2 (I.3.6)	Storage loss assessment for lac and lac based products	Dr. S.K. Giri (40%) Dr. B. Baboo (10%) Shri M.F. Ansari (25%)	2006-2007	2007-2008
I.VI.3 (I.3.7)	Establishment of commercially viable plant for aleuritic acid	Er. S.K. Giri (30%) Er. S.K. Pandey (25%) Er. M. Prasad (20%)	2006-07	June, 2009

I.VI.4 (I.5.5)	Design and development of seedlac dryer	Dr. (Er.) N. Prasad (50%) Shri S.K. Pandey (25%) Dr. K.K. Singh, Sr. Scientist, CIAE, Bhopal (25%)	June, 2006	2007-2008
I.VI.5	Establishment of pilot plant for dewaxed bleached lac (40 Kg cap.) for training demonstration & process refinement	Dr. M. Prasad (40%) Dr. K.M. Prasad (20%) Dr. S.K. Pandey (25%)	2007-08	2009-10
Core Program - VII : HRD (Human Resource Development)				
Project No.	Title of the Project	Name of Investigators	Year of start	Year of completion
I.VII.1 (I.6.1)	Training, demonstration, extension education and information service on lac culture, processing and product development	Dr. A.K. Jaiswal (40%) Dr. N. Prasad (25%) Dr. J.P. Singh (25%) Dr. K.K. Singh (20%)	1998-1999	Long term project
Ex.VII.1 (Ex. 5.4)	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, PI (25%) Dr. A.K. Jaiswal (10%) Dr. R. Ramani (5%) Dr. Bangali Baboo, Programme coordinator	January, 2006	December, 2009
Ex. VII.2 Ex.6.1	Skill development and capacity building in lac culture through training and demonstration in Gujrat. (Gujarat Govt. project)	Sri. Y.D. Mishra (20%) Sri R. K. Singh (15%) Dy. C.F. (Research), Gujrat-Co-PI	July 2004	June 2007
Core Program - VIII : Technology Assessment, refinement and dissemination				
I.VIII.1	Evaluation of some newer insecticides & bio pesticides for eco-friendly management of insect pests associated with lac insect & host plants	Dr. J.P. Singh (50%) Dr. A.K. Jaiswal (20%) Dr. M. Monobrullah (20%)	2007-08	2010-11

Core Program -IX : Liaison, information and Advisory Service			
I.IX.1 I.5.4	Informatics on lac production and processing	Dr. A. Bhattacharya (10%) Dr. A.K. Jaiswal (10%)	June, 2006
I.IX.2	Strengthening, liaison, information & advisory services on natural resins & gums	Dr. A. Bhattacharya (20%) Dr. J.P. Singh (20%) Dr. K.M. Prasad (30%) Dr. S.K. Giri (15%)	2007-08
			2008-2009
			2009-2010

Note:

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

N. Prasad
(N. Prasad)
S.C. RMU

Bangalibaboo
(Bangali Baboo)
Director & Chairman SRC