

INDIAN LAC RESEARCH INSTITUTE
NAMKUM, RANCHI - 834 010

List of Approved Research Projects for the Year:- 2006-2007

Core Program - I : Productivity and Quality Improvement				
Project No.	Title of the Project	Name of Investigators/ % of time devoted	Year of start	Year of completion
✓ I.1.1	Collection, maintenance, conservation and evaluation of lac insect and host plants	1. Sri R. Ramani (15%) 2. Dr K. K. Sharma (15%) 3. Shri S.C. Srivastava (15%)	1997 - 1998	Long term project
I.1.2	Improvement in lac host plant propagation techniques	1. Sri. S.C. Srivastava (30%) 2. Dr. B.P. Singh (10%) 3. Dr. A. Bhattacharya (10%)	2003 - 2004	2006 - 2007
I.1.3	Selection of <i>Flemingia semialata</i> for summer sustainability of <i>kusmi</i> lac crop	1. Sri. Y. D. Mishra (15%)	2004 - 2005	2007 - 2008
I.1.4	Identification and characterization of <i>kusum</i> and <i>galwang</i> genotypes for high productivity of lac.	1. Sri. Y. D. Mishra (25%) 2. Sri S.C. Srivastava (30%)	2004 - 2005	2007 - 2008
✓ I.1.5	Screening of <i>kusmi</i> lac insect germplasm on <i>Zizyphus mauritiana</i> (<i>ber</i>) and <i>Flemingia semialata</i> for improved productivity	1. Dr. K.K. Sharma (15%) 2. Sri. Y.D. Mishra (10%)	2004 - 2005	2007 - 2007
✓ I.1.6	Characterisation and documentation of major lac host plants and the Indian lac insect	1. Sri. S.C. Srivastava (20%) 2. Dr. R. Ramani (10%) 3. Dr. K.K. Sharma (10%)	2005 - 2006	2007 - 2008
EX.1.1.	Biological, chemical and molecular characterization of lac insect-host plant relationship (DBT Project)	1. Dr. K.K. Sharma (15%) 2. Dr. S. Lakhanpal, DU 3. Dr. H.M. Chawla, IIT, Delhi	2003 - 2004	2006 - 2007
EX 1.2	Application of molecular fingerprinting for genetic characterisation of races and species of lac insect (DBT project)	1. Dr. R. Ramani (20%) 2. Dr. J. Nagaraju, CDFD, Hyderabad	2003 - 2004	2006 - 2007

Core Program – II : Production Improvement and Crop Management				
Project No.	Title of the Project	Name of Investigators	Year of start	Year of completion
I.2.3	Integration of <i>Flemingia semialata</i> with horticultural crops for sustainable lac production under irrigated condition	1. Dr. B.P. Singh (50%) 2. Sri. Y.D. Mishra (10%)	2003 - 2004	2006 - 2007
I.2.4	Delineation of promising lac growing areas and their soils for macro and micronutrients deficiency / sufficiency.	1. Shri. G. Singh (100%)	2004 - 2005	2006 - 2007
I.2.5	Studies on <i>in-situ</i> moisture conservation technique for raising mixed plantation of <i>ber</i> and <i>kusum</i>	1. Sri. R.K. Singh (50%) 2. Dr. B.P. Singh (15%)	2005 - 2006	2008 - 2009
I.2.6	Evaluation of <i>kusmi</i> lac (<i>aghani</i>) production technology on <i>ber</i> at farmer's field conditions at Jhalda, Purulia, W.B.	1. Dr. S. Ghosal (50%)	2006-2007	
I.2.7	Development of <i>kusum</i> lac cultivation technology on <i>Albizia procera</i> (<i>Siris</i>)	1. Dr. A.K. Jaiswal (15%) 2. Dr. A. Bhattacharya (10%)	June, 2006	2010-2011
EX.2.1	Production of quality broodlac on <i>kusum</i> and <i>palas</i> at different agro-climatic region (Revolving Fund Scheme)	1. Sri Y.D. Mishra (10%) 2. Dr.A. Bhattacharya (10%) 3. Dr K.K. Sharma (10%)	Nov., 1996	October, 2006
EX.2.2	Evaluation of bio-control agents and bio-rational approaches for management of lac insect predators (<i>DBT Project</i>)	1. Dr. A. Bhattacharya (20%) 2. Dr. A.K. Jaiswal (15%)	2003 – 2004	September, 2006
Ex 2.3	Development of lac production system using high density <i>ber</i> plantation under semi protected conditions (NABARD sponsored)	1. Dr. R. Ramani (20%) 2. Dr. K.K. Sharma (10%) 3. Dr. B.P. Singh (10%)	June, 2006	May, 2009

Core Program - III : Processing and Value Addition				
Project No.	Title of the Project	Name of Investigators	Year of start	Year of completion
✓ 1.3.2.	Comparative study on the physico-chemical properties of lac from various lac producing countries	1. Dr. S. Srivastava (35%) 2. Dr. D.N. Goswami (25%) 3. Dr. N. Prasad (Sr.) (25%) 4. Sri. M.F. Ansari (25%)	2004 - 2005	2006 - 2007
1.3.3.	Enhancing keeping quality of bleached lac	1. Shri. R. Singh (75%)	2004 - 2005	2006 - 2007
✓ 1.3.4	Establishment of commercially viable pilot plant for preparing pure / food grade lac dye	1. Dr. K.M. Prasad (50%) 2. Dr. M. Prasad (30%) 3. Sri. S.K. Pandey (25%) 4. Dr. S. Srivastava (20%)	2004 - 2005	2006 - 2007
1.3.6	Storage loss assessment for lac and lac based products	1. Dr. S.K. Giri (40%) 2. Dr. B. Baboo (10%) 3. Shri M.F. Ansari (25%)	2006-2007	2007-2008
1.3.7	Establishment of commercially viable plant for aleuritic acid	1. Er. S.K. Giri (30%) 2. Er. S.K. Pandey (25%) 3. Er. M. Prasad (20%)	2006-07	2009-2010
Core Program - IV : Product Development and Use Diversification.				
Project No.	Title of the Project	Name of Investigators	Year of start	Year of completion
✓ 1.4.4.	Field evaluation of PGR and insect attractant / repellants derived from aleuritic acid.	1. Dr. R.N. Majee (50%) 2. Dr. A. Bhattacharya (10%) 3. Sri. S.C. Srivastava (10%)	2004 - 2005	2006 - 2007
✓ 1.4.5	Development of lac based nail polish	1. Dr. R.N. Majee (25%)	2005-205	September, 2006
1.4.6	Use of lac and modified lac in the manufacture of jute re-inforced sheets for structural and other purposes (collaborative project with NIRJAFT, Kolkata)	1. Dr. D.N. Goswami (50%) 2. Dr. N. Prasad (10%) 3. Shri. M.F. Ansari (40%) 4. Dr. B. Baboo (10%) 5. Dr. A. Day (NIRJAFT, Kolkata) CO. PI	2005 - 2006	2006 - 2007

Six months extension

<p>EX-4.1</p>	<p>Integrated pest management (IPM) at village level for cost-effective, quality production (<i>Technology Mission on Cotton</i>)</p>	<p>1. Dr. N. Prasad (Sr.) (25%) 2. Dr. R. N. Majee (25%) 3. Dr. S. Srivastava (15%)</p>	<p>2001 - 2002</p>	<p>2006 - 2007</p>
<p align="center">Core Program - V : Technology Assessment, Refinement and Dissemination</p>				
<p>Project No.</p>	<p>Title of the Project</p>	<p>Name of Investigators</p>	<p>Year of start</p>	<p>Year of completion</p>
<p>I.5.2</p>	<p>Database on lac -Basic information and technologies available</p>	<p>1. Sri. R. Ramani, (10%)</p>	<p>2004 - 2005</p>	<p>December, 2006</p>
<p>I.5.3</p>	<p>Eco-friendly disposal of Lac effluents and their possible utilisation</p>	<p>1. Dr. K.M. Prasad (50%) 2. Dr. M. Prasad (30%)</p>	<p>2004 - 2005</p>	<p>2006 - 2007</p>
<p>I.5.4</p>	<p>Informatics on lac production and processing</p>	<p>1. Dr. G. Pal (70%) 2. Dr. A. Bhattacharya (10%) 3. Dr. A.K. Jaiswal (10%)</p>	<p>June, 2006</p>	<p>2008-2009</p>
<p>I.5.5</p>	<p>Design and development of seedlac dryer</p>	<p>1. Dr. (Er.) N. Prasad (50%) 2. Shri S.K. Pandey (25%) 3. Dr. K.K. Singh, Sr. Scientist, CIAE, Bhopal (25%)</p>	<p>June, 2006</p>	<p>2007-2008</p>
<p>Ex. 5.4</p>	<p>Enhancing livelihood options for poor tribal families of the JHARKHAND state through capacity building in cultivation of lac and its value addition (JLDS)</p>	<p>1. Dr. K.K. Sharma, PI (20%) 2. Dr. A.K. Jaiswal (10%) 3. Dr. R. Ramani (10%) 4. Dr. Bangali Baboo, Programme coordinator</p>	<p>January, 2006</p>	<p>December, 2009</p>
<p align="center">Core Program - VI : HRD for Capacity Building in Lac Production, Processing and Value Addition</p>				
<p>Project No.</p>	<p>Title of the Project</p>	<p>Name of Investigators</p>	<p>Year of start</p>	<p>Year of completion</p>
<p>I.6.1</p>	<p>Training, demonstration, extension education and information service on lac culture, processing and product development</p>	<p>1. Dr. A.K. Jaiswal (40%) 2. Dr. N. Prasad (25%) 3. Sri R. Singh (25%) 4. Sri M.L. Bhagat (70%) 5. Dr. G.Pal (20%)</p>	<p>1998-1999</p>	<p>Long term project</p>

Ex.6.1	Skill development and capacity building in lac cultivation at Gujarat (Gujarat Govt. project)	1. Sri. Y.D. Mishra (15%) 2. Sri R. K. Singh (15%)	July 2004	June 2007
Ex 6.2	Promotional initiatives for capacity building on technical training in lac cultivation (NABARD project)	1. Dr. A.K. Jaiswal (10%) 2. Dr. N. Prasad (15%)	March 2005	April 2006
Exploratory Study				
1.	Development of protocols for micropropagation of ber, palas and kusum	Dr. R. Ramani	April 2006	March 2007
2.	Rejuvenation of old lac hosts for improved lac productivity	Dr. B.P. Singh	April 2006	March 2007
3.	Impact of pitcher irrigation and mulching on the summer season (jethwi) crop sustainability and new leaf initiation period on ber	Shri R. K. Singh	April 2006	March 2007
Note: I: Institute funded project; EX: Externally funded project.				

Percentage time devoted is subject to revision/change
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.

(Signature)
28/7/2006
(D.N. Goswami)
I/C, RMU

Bangali Baboo
1.8.06

(Bangali Baboo)
Director & Chairman SRC