



INDIAN LAC RESEARCH INSTITUTE, NAMKUM : RANCHI

**List of Approved Research Projects for Year: 2002-2003**

PROJECT NO.	TITLE OF THE PROJECT	NAME OF INVESTIGATORS	PER OF TIME DEVOTED	YEAR OF START	YEAR OF COMPLETION
<b>Evaluation, Improvement and Introduction of Lac Based Farming Systems</b>					
1.1.1 (1.4.21)	Bio-rational approaches for management of pests of lac insects and host plants.	1. Dr. A Bhattacharya, Pr.Sc 2. Dr P. Kumar, Pr.Sc 3. Dr A. K. Jaiswal, Sr. Sc.	50% 25% 25%	1997-1998	2002-2003
1.1.2 (2.1.13)	Management of <i>Akashmani</i> ( <i>Acacia auriculiformis</i> ) for lac cultivation	1. Dr BP Singh, Pr.Sc	75%	1994-1995	2002-2003
1.1.3 (2.1.15)	Nutrient Management in soil for maximising lac yield	1. Sri G. Singh, Sr. Sc. 2. Sri S.K. Yadav, Sc (on study leave). 3. Dr. S. Ghosal, Sc.	75% 25% 25%	2000-2001	2005-2006
1.1.4 (2.1.16)	Management of <i>Flemingia semialata</i> for sustainable lac production under different crop geometry and irrigation	1. Sri SK Yadav, Sc.( on study leave) 2. Sri Y. D. Mishra, Sc. SG. 3. Sri R. K. Singh	50% 25% 75%	2000-2001	2005-2006
<b>Insect and Host Plant Improvement for Increased Productivity and Stability</b>					
1.2.1 (2.2.7)	Collection, maintenance, conservation & evaluation of lac insect and host plant and their genetic improvement	1. Dr P Kumar, Pr Sc 2. Sri R Ramani, Pr Sc 3. Sri SC Srivastava, Sr Sc Sri 4. Dr K. K. Sharma, Sr Sc 5. Y. D. Mishra, Sc. SG 6. Sri D.K. Saha, Sc.	25% 25% 75% 75% 25% 75%	1997-98	Long term project

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PROJECT NO.	TITLE OF THE PROJECT	NAME OF INVESTIGATOR	PER. OF TIME DEVOTED	YEAR OF START	YEAR OF COMPLETION
<b>Development of Technologies for Processing &amp; Diversified Value- Added Products from Lac Resin</b>					
2.3.1 (3.2.16)	Synthesis of some bio-active compounds from aleuritic acid	1. Dr RN Majee, Pr.Sc, 2. Sri SKS Yadav, Sc 3. Dr. S. Srivastava Sc	50% 75% 50%	1997-1998	2002-2003
2.3.2 (3.4.9)	Development of lac varnish for wood and metal lacquers for food packaging	1. Dr. P. C. Sarkar, Sc. Sr. Scale	40%	1997-1998	2002-2003
2.3.3 (New)	Studies on qualitative changes in lac with storage	1. Dr. D. N. Goswami, Pr.Sc 2. Dr. N. Prasad, Pr.Sc 3. Dr. K. K. Kumar Pr.Sc	50% 25% 25%	2002-2003	2005-2006
2.3.4 (New)	Water thinned shellac resin/polymer blends for cementitious surfaces	1. Sri M.F. Ansari, Sc. 2. Dr. D. N. Goswami, Pr. Sc.	75% 25%	2002-2003	2005-2006
<b>Processing &amp; Utilisation of Lac By-Products</b>					
2.4.1 (3.4.11)	Development of lac wax based formulations	1. Dr. N. Prasad, Pr. Sc. 2. Sri S. Giri, Sc.	25% 75%	1998-1999	2001-2003
2.4.2 (3.4.12)	Use of refused lac/by-products/modified lac for making particle board/composite from various agrowastes	1. Dr. KP Sao, Pr. Sc. 2. Sri SK Pandey, Sc.	75% 25%	1998-1990	2002-2003
2.4.3 (4.1.11)	Mechanisation of <i>bhatta</i> process	1. Sri SK Pandey, Sc. 2. Dr. N. Prasad, Sc.	50% 25%	2000-2001	2002-2003
<b>Industrial Liason and Dissemination of Lac Production, Processing and Utilisation Technologies</b>					
3.5.1 (5.8)	Mechanisation of lac cultivation operations	1. Dr. N. Prasad, Sc. 2. Sri ML Bhagat, Sc. Sr. Scale 3. Sri S.K. Pandey, Sc.	50% 25% 25%	1998-1999	2001-2002
3.5.2 (5.9)	Publications and publicity activities	1. Sri R. Ramani, Pr. Sc. 2. Dr. KK Sharma, Sr. Sc. 3. Dr. N. Prasad, Sc.	50% 25% 25%	1998-1999	2002-2003

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3.5.3 (5.10)	Current status, technology assessment, product promotion and problems of lac industries.	1. Dr. KK Kumar, Pr. Sc. 2. Dr. KM Prasad, Pr. Sc.	25% 50%	1998-1999	2000-2003
3.5.4 (5.11)	Training, demonstration, extension education and information service on lac culture, processing and product development	1. Dr. KK Kumar, Pr. Sc. 2. Dr. KM Prasad, Pr. Sc. 3. Sri R. Singh, Sc. Sr. ScI 4. Sri ML Bhagat, Sc Sr ScI 5. Dr. AK Jaiswal, Sr Sc. 6. Sri PM Patil, Sc. Sr Sc.	50% 25% 25% 75% 25% 25%	1998-1999	2002-2003
<b>Adhoc Projects</b>					
1	Pilot study on forecasting of broodlac yield from ( <i>Butea monosperma</i> ) Palas	1. Dr. A. K. Jaiswal, Sr. Sc. 2. Dr. K.K. Sharma, Sr. Sc. 3. Dr. Chandrahas, Sr.Sc. (IASRI)	50% 25%	16.08.98	15.2.2003
2	Study of Lac Marketing in India	1. Sri R. Ramani, Pr.Sc 2. Dr. S.P. Bhardwaj, Sr.Sc. (IASRI) 3. Dr. G. Pal, Sc.	25% 25%	15.11.2001	14.11.2004
<b>Revolving Fund Scheme</b>					
1.	Production of quality broodlac on <i>kusum</i> and <i>palas</i> at different agro-climatic region	1. Sri YD Mishra, Sc SG 2. Dr A Bhattacharya, Pr Sc 3. Dr KK Sharma, Sr. Sc.	25% 25% 25%	Nov., 1996	10 years

## Technology Mission on Cotton

1. Evaluation of location specific IPM modules for eco-friendly and sustainable cotton production  
1. Dr. N. Prasad, Pr. Sc. 25% 01.04.2001 31.03.2003  
2. Dr. P.C. Sarkar, Sc. Sr. Sc. 25%  
3. Dr. R. N. Majee Pr. Sc. 25%  
4. Dr S. Srivasava, Sc 50%

## NATP

1. NATP on Plant Bio-diversity  
Not-indicated 2001-2002 2003-2004  
1. Dr. P. Kumar, Pr. Sc.  
2. Dr. K. K. Sharma, Sr. Sc  
3. Sri R. Ramani, Pr. Sc  
4. Sri D. Saha, Sc

## Sponsored Projects

1. Adoption of Lac Growers of Jharkhand for Model Upliftment through Scientific Lac Cultivation.  
Not-indicated 2001-2002 2003-2004  
1. Sri R. Ramani, Pr.Sc  
2. Dr. K. K. Sharma, Sr.Sc  
3. Dr. A.K. Jaiswal, Sr. Sc.  
4. Sri M.L. Bhagat, Sr. Sc. S.  
5. Dr. N.Prasad, Sc.  
6. Dr. G.Pal, Sc.
2. Lac as a source of livelihood; technology intervention for sustained production in Khunti Sub-division  
Not-indicated 2002-2003 2004 - 2005  
1. Dr. K. K. Sharma, Sr. Sc.  
2. Dr. A. K. Jaiswal, Sr. Sc.  
3. Dr. A. Bhattacharya, Pr. Sc.  
4. Sri M.L. Bhagat, Sc. Sr. Scale

Note: (1) The scientist listed at Serial No. 1 against each project would act as the Project leader (Principle Investigator)/CCPI  
(2) Each agricultural scientist will spend 25% time in TOT activities



(DR. P. C. SARKAR)  
Member Secretary, SRC



(DR. K. K. KUMAR )  
Director & Chairman, SRC