

Sarjot

# INDIAN LAC RESEARCH INSTITUTE, NAMKUM ; RANCHI

## List of approved research projects for 2000- 01

PROJECT NO.	TITLE OF THE PROJECT	NAME OF INVESTIGATOR	PER. OF TIME DEVOTED	YEAR OF START	YEAR OF COMPLETION
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### Evaluation and improvement of lac crop management practices under integrated agro-forestry system covering soil, host plant & pest management

1.1.9.3	To evolve management practices of kusmi lac production on ber	1. Sri YD Mishra, Sc SG 2. Sri SC Srivastava, SR Sc 3. Dr G Singh, Sr Sc.	25% 50% 25%	1997-98	2001-02
1.4.21	Bio-rational approaches for management of pests of lac insects and host plants.	1. Dr. A Bhattacharya, Sr Sc 2. Dr SN Sushil, Sc 3. Dr P Kumar 4. Dr AK Jaiswal, Sc Sr Sci	25% 25% 25% 25%	1997-98	2001-02
2.1.11	Management of important lac hosts under agro forestry system for kusmi lac production	1. Dr BP Singh, Sr Sc	25% 25%	1997-98	2001-02
2.1.13	Management of Akashmani (Acacia auriculiformis) for lac cultivation	1. Dr BP Singh, Sr Sc 2. Dr SN Sushil, Sc	25% 25%	1994-95	2002-03
2.1.15	Nutrient Management in soil for maximising lac yield	1. Sri G. Singh, Sr. Sc. 2. Sri S.K. Yadav, Sc. 3. Sri S. Ghosal, Sc.	50% 25% 25%	2000-01	2005-06

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2.1.16	Management of flemingia semialata for sustainable lac production under different crop geometry and irrigation	1. Sri SK Yadav, Sc. 2. Sri Y.D. Mishra, Sc.SG. 3. Sri Aravind Kumar, Sc.	50% 25% 75%	2000-01	2005-06
<u>Improvement in productivity and quality of lac through different breeding approaches for insect and their host plants</u>					
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, Sr Sc 3. Sri SC Srivastava, Sr Sc 4. Dr KK Sharma, Sc. Sr Sci 5. Sri DK Saha, Sc 6. Dr. PC Sarkar, Sc. Sr Sci	25% 25% 25% 25% 75% 25%	1997-98	Long term project
<u>Development of value added products (Sex pheromones, PGR, Polyblends) and surface coating materials from lac resin</u>					
3.2.16	Synthesis of some bio-active compounds from aleuritic acid	1. Dr RN Majee, Sr Sc 2. Sri VK Rao, Sc 3. Sri SKS Yadav, Sc. 4. Dr. S Srivastava, Sc.	75% 50% 25% 25%	1997-98	1999-2000
3.4.9	Development of lac varnish for wood and metal lacquers for food packaging	1. Dr PC Gupta, Pr Sc 2. Sri PC Sarkar, Sc	75% 75%	1997-98	1999-2000
<u>Utilisation of by-products (lacdye, wax, refuse lac) of lac industry for food grade lac dye, varnishes/lacquer and bonding material for partical board</u>					
3.4.10	Varnish composition based on aleuritic acid - free gummy mass	1. Dr DN Goswami, Sr Sc 2. Dr N Prasad, Sr. Sc.	25% 25%	1998-99	2001-02

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3.4.11	Development of lac wax based formulations	1. Dr N Prasad, Sr. Sc. 2. Dr KM Prasad, Sr. Sc. 3. Sri S Giri, Sc.	25% 25% 50%	1998-99	2001-02
3.4.12	Use of refused lac/ by-products/ modified lac for making partial board/ composite from various agrowastes	1. Dr KP Sao, Sr. Sc. 2. Sri SK Pandey, Sc	75% 25%	1998-99	2000-01
4.1.11	Mechanisation of bhatta process	1. Sri SK Pandey, Sc. 2. Dr. N Prasad, Sc.	75% 25%	2000-01	2003-04 2002-2003
<b>3%</b>					
<u>Transfer of technology to farmers &amp; entrepreneurs through training, demonstration, consultancy, information service and quality certification</u>					
5.8	Mechanisation of lac cultivation operations	1. Dr N Prasad, Sc 2. Sri ML Bhagat, Sc, Sr. Sc. 3. Sri SK Pandey, Sc.	50% 25% 25%	1998-99	2000-01
5.9	Publications and publicity activities	1. Sri R Ramani, Sr Sc 2. Dr KK Sharma, Sc Sr Sc 3. Sri R Singh, Sc Sr Sc	50% 25% 25%	1998-99	2002-03
5.10	Current status, technology assessment, product promotion and problems of lac industries	1. Dr KK Kumar, Pr. Sc. 2. Dr KM Prasad, Sr Sc 3. Sri R Singh, Sc Sr Sc 4. Sri PM Patil, Sc Sr Sc	25% 50% 50% 50%	1998-99	2000-01
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, Sr Sc 3. Sri R Singh, Sc Sr Sc 4. Sri ML Bhagat, Sc Sr Sc 5. Dr AK Jaiswal, Sc Sr Sc 6. Sri PM Patil, Sc Sr Sc	50% 25% 50% 75% 25% 25%	1998-99	2002-03

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Adhoc project

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|----|---|---|-------------------|----------|------------|
| 1. | Lac productivity rating of different lac insect on conventional and promising lac host                      | 1. Sri YD Mishra, Sc SG<br>2. Dr SN Sushil, Sc<br>3. Dr A Bhattacharya, Sr Sc                     | 25%<br>25%<br>25% | 1997-98  | 1999-2000  |
| 2. | Polyblends of shellac with synthetic resin polymers - formulation, characterisation and application studies | 1. Dr DN Goswami, Sr Sc   | 75%               | 1.12.98  | 30.11.2001 |
| 3. | Pilot study on forecasting of broodlac yield from (Butea monosperma) Palas                                  | 1. Dr AK Jaiswal, Sc. Sr. Sci.<br>2. Dr KK Sharma, Sc Sr. Sci.<br>3. Dr Chandrahas, Sr Sc (IASRI) | 50%<br>25%        | 16.08.98 | 15.08.2002 |


Revolving fund scheme

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|----|---|--|-------------------|------------|----------|
| 1. | Production of quality broodlac on kusum and palas at different agro-climatic region | 1. Sri YD Mishra, Sc SG<br>2. Dr A Bhattacharya, Sr Sc<br>3. Dr KK Sharma, Sc Sr Sci | 25%<br>25%<br>25% | Nov., 1996 | 10 years |
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Note : (1) The scientist listed at Serial No. 1 against each project would act as the Project leader (Principle Investigator)  
(2) Each agricultural scientist will spend 25% time in TOT activities



Ramesh Prasad  
(Member Secretary)

  
KK Kumar  
(Acting Director)