

INDIAN LAC RESEARCH INSTITUTE, NAMKUM : RANCHI

List of approved research projects for 1999-2000

PROJECT NO.	TITLE OF THE PROJECT	NAME OF INVESTIGATOR	PER. OF TIME DEVOTED	YEAR OF START	YEAR OF COMPLETION
<u>Evaluation and improvement of lac crop management practices under integrated agro-forestry system covering soil, host plant & pest management</u>					
1.1.9.3	To evolve management practices of <i>kusmi</i> lac production on <i>ber</i>	1. Sri YD Mishra, Sc SG 2. Sri SC Srivastava, SR Sc	25% 50%	<u>1997-98</u>	1999-2000
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%	<u>1997-98</u>	1999-2000
2.1.11	Management of important lac hosts under agro forestry system for <i>kusmi</i> lac production	1. Dr BP Singh, Sr Sc 2. Sri YD Mishra, Sc SG 3. Sri SK Yadav, Sc	25% 25% 25%	<u>1997-98</u>	2001-02
2.1.13	Management of <i>Akashmani</i> (<i>Acacia auriculiformis</i>) for lac cultivation	1. Dr BP Singh, Sr Sc 2. Dr SN Sushil, Sc	25% 25%	<u>1994-95</u>	2002-03

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Improvement in productivity and quality of lac through different breeding approaches for insect and their host plants

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 SK Yadav, Sc	25% 25% 25% 25% 25%	1997-98	Long term project
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Development of value added products (Sex pheromones, PGR, Polyblends) and surface coating materials from lac resin

3.2.16	Synthesis of some bio-active compounds from aleuritic acid	1. Dr RN Majee, Sr Sc 2. Sri VK Rao, Sc	75% 50%	1997-98	1999-2000
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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
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Utilisation of by-products (lacdye, wax, refuse lac) of lac industry for food grade lac dye, varnishes/lacquer and bonding material for partical board

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. 25% 1998-99 2001-02
 2. Dr KM Prasad, Sr. Sc. 25%

3.4.12 Use of refused lac/ by-products/ modified lac 1. Dr KP Sao, Sr. Sc. 75% 1998-99 2000-01
 for making parical board/ composite from 2. Sri SK Pandey, Sc 25%
 various agrowastes

Transfer of technology to farmers & entrepreneurs through training, demonstration, consultancy, information service and quality certification

5.8 Mechanisation of lac cultivation operations 1. Dr N Prasad, Sc 50% 1998-99 2000-01
 2. Sri ML Bhagat, Sc, Sr. Sc. 25%
 3. Sri SK Pandey, Sc. 25%

5.9 Publications and publicity activities 1. Sri R Ramani, Sr Sc 50% 1998-99 2002-03
 2. Dr KK Sharma, Sc Sr Sc 25%
 3. Sri R Singh, Sc Sr Sc 25%
 4. Dr N Prasad, Sc 25%

5.10 Current status, technology assessment, 1. Dr KK Kumar, Pr. Sc. 25% 1998-99 2000-01
 product promotion and problems of lac 2. Dr KM Prasad, Sr Sc 50%
 industries 3. Sri R Singh, Sc Sr Sc 50%
 4. Sri PM Patil, Sc Sr Sc 50%

5.11 Training, demonstration, extension education 1. Dr KK Kumar, Pr. Sc. 50% 1998-99 2002-03
 and information service on lac culture, 2. Dr KM Prasad, Sr Sc 25%
 processing and product development 3. Sri R Singh, Sc Sr Sc 50%
 4. Sri ML Bhagat, Sc Sr Sc 75%
 5. Dr AK Jaiswal, Sc Sr Sc 25%
 6. Sri PM Patil, Sc Sr Sc 25%

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Adhoc project

1.	Lac productivity rating of different lac insect on conventional and promising lac host	1. Sri YD Mishra, Sc SG 2. Dr SN Sushil, Sc 3. Dr A Bhattacharya, Sr Sc	25% 25% 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. 2. Dr KK Sharma, Sc Sr. Sci. 3. Dr Chandras, Sr Sc (IASRI)	50% 25%	1999-2000	2001-02

Revolving fund scheme

1.	Production of quality broodlac on kusum and palas at different agro-climatic region	1. Sri YD Mishra, Sc SG 2. Dr A Bhattacharya, Sr Sc 3. Dr KK Sharma, Sc Sr Sci	25% 25% 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)



SC Agarwal
(Director)