

INDIAN LAC RESEARCH INSTITUTE, NAMKUM : RANCHI

List of approved research projects for 2001-02

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 <i>kusmi</i> lac production on <i>ber</i>	1. Sri YD Mishra, Sc SG 2. Sri SC Srivastava, Sr Sc 3. Sri 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, Pr Sc 4. Dr AK Jaiswal, Sc Sr Sci 5. Dr. PC Sarkar, Sc. 6. Dr.K.K. Sharma, Sc. (IARI)	25% 25% 25% 25% 25% 25%	1997-98	2001-03
2.1.11	Management of important lac hosts under agro forestry system for <i>kusmi</i> lac production	1. Dr BP Singh, Sr .Sc	25%	1997-98	2001-02
2.1.13	Management of Akashmani (<i>Acacia auriculiformis</i>) for lac cultivation	1. Dr BP Singh, Sr Sc 2. Dr SN Sushil, Sc	25% 25%	1994-95	2002-03

PROJECT NO.	TITLE OF THE PROJECT	NAME OF INVESTIGATOR	PER. OF TIME DEVOTED	YEAR OF START	YEAR OF COMPLETION
2.1.15	Nutrient management in soil for maximising lac yield	1. Sri G. Singh, Sr. Sc. 2. Sri S.K. Yadav, Sc. 3. Dr S. Ghosal, Sc.	50% 25% 25%	2000-01	2005-06
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 Arvind 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 (on study leave) 3. Sri SC Srivastava, Sr Sc 4. Dr KK Sharma, Sc. Sr Sci 5. Sri DK Saha, Sc	25% 25% 25% 25% 75%	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 SKS Yadav, Sc. 3. Dr. S Srivastava, Sc.	50% 75% 50%	1997-98	2002-03
3.4.9	Development of lac varnish for wood and metal lacquers for food packaging	1. Dr PC Gupta, Pr Sc 2. Dr PC Sarkar, Sc	75% 25%	1997-98	1999-2002

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Utilisation of by-products (laccyde, wax, refuse lac) of lac industry for food grade lac dye, varnishes/lacquer and bonding material for particle 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
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% 75%	1998-99	2001-02
3.4.12	Use of refused lac/ by-products/ modified lac for making particle board/ composite from various agrowastes	1. Dr KP Sao, Sr. Sc. 2. Sri SK Pandey, Sc	75% 25%	1998-99	2002-03
4.1.11	Mechanisation of <i>bhatta</i> process	1. Sri SK Pandey, Sc. 2. Dr. N Prasad, Sc.	50% 25%	2000-01	2002-03

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 2. Sri ML Bhagat, Sc, Sr. ScI. 3. Sri SK Pandey, Sc.	50% 25% 25%	1998-99	2001-02
5.9	Publications and publicity activities	1. Sri R Ramani, Sr Sc (on study leave) 2. Dr KK Sharma, Sc Sr ScI 3. Dr N Prasad, Sc	50% 25% 25%	1998-99	2002-03