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INDIAN LAC RESEARCH INSTITUTE, NAMKUM : RANCHI

List of approved research projects for 1998-99

PROJECT NO.	TITLE OF THE PROJECT	NAME OF INVESTIGATOR	PER. OF TIME DEVOTED	YEAR OF START	YEAR OF COMPLETION
<u>1.1.9.3</u>	<u>Evaluation and improvement of lac crop management practices under integrated agro-forestry system covering soil, host plant & pest management</u>	1. Sri YD Mishra, Sc SG 2. Sri SG Choudhary, Sc SG 3. Sri SC Srivastava, SR Sc	<u>25%</u> <u>25%</u> <u>25%</u>	1997-98	1999-2000
<u>1.4.21</u>	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, P. Sc 4. Dr AK Jaiswal, Sc Sr Sci	25% 50% 25% 25%	1997-98	1999-2000
<u>2.1.11</u>	Management of important lac hosts under agro forestry system for <i>Kusmi</i> lac production	1. Dr BP Singh, Sr Sc 2. Dr SN Sushil, Sc 3. Y.P. Mishra	25% 25%	1990-91	2001-02
<u>2.1.13</u>	Management of <i>Akashmani</i> (Acacia auriculiformis) for lac cultivation	1. Dr BP Singh, Sr Sc 2. Sri SG Choudhary, Sc SG 3. Sri SC Srivastava, Sr Sc	<u>25%</u> <u>25%</u> <u>25%</u>	1994-95	2002-03

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PROJECT

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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	25% 25% 25% 25%	1997-98	<u>Long term project</u>
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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	75% 50% 25% 25%	1997-98	<u>1999-2000</u>
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3.3.15	Polyblends of shellac with synthetic resin Polymers - formulation, characterisation and application studies	75% 45%	1997-98	<u>2001-02</u>
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3.4.9	Development of lac varnish for wood and metal lacquers for food packaging & adhesive.	75% 75% 75%	1997-98	1999-2000
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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 partial board?

3.4.10	Varnish composition based on aleuritic acid - free gummy mass	25% 25% 25%	<u>1998-99</u>	2001-02
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1998-99

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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.	50%		
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.	75%	1998-99	2000-01
		2. Sri RK Banerjee, Sc. Sr. Sc.	50%		
		3. Sri SK Pandey, Sc	25%		

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%	1998-9	2000-02
		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%	1998-9	2002-03
		2. Dr KK Sharma, Sc Sr Sc	25%		
		3. Sri R Singh, Sc Sr Sc	25%		
		4. Dr N Prasad, Sc	25% <i>Sc.</i>		

5.10	^{THE} Survey of current status, technology assessment of potential and problems of lac industries _{product promotion.}	1. Dr KK Kumar, Pr. Sc.	25%	1998-9	2000-01
		2. Sri RK Banerjee, Sc Sr Sc	25%		
		3. Sri R Singh, Sc Sr Sc	25%		
		4. Sri ML Bhagat, Sc Sr Sc <i>Dr. K.M. Prasad</i>	25%		
		5. Sri R Singh, Sc Sr Sc	25%		
		6. Sri ML Bhagat, Sc Sr Sc	25%		

5.11	Training, demonstration, extension education and information service on lac culture, processing and product development	1. Dr KK Kumar, Pr. Sc.	50%	1998	2002-03
		2. Sri YD Mishra, Sc SG	25%		
		3. Sri RK Banerjee, Sc Sr Sc	25%		
		4. Sri R Singh, Sc Sr Sc	25% <i>75%</i>		
		5. Sri ML Bhagat, Sc Sr Sc	25% <i>75%</i>		
		6. Dr AK Jaiswal, Sc Sr Sc	25%		
		7. Sri R Singh, Sc Sr Sc <i>Dr. K.M. Prasad.</i>			
		8. Sri R M Patel			

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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.	Pilot study on forecasting of broodlac yield from <i>Antecarsia monosperma</i> Patalas	1. Dr AK Jaiswal, Sc. Sr. Sci. 2. Dr KK Sharma, Sc Sr. Sci. 3. Dr Chandrahas, Sr Sc (IASRI)	50% 25%	1998-99	2000-01


Revolving fund scheme

①	Production of quality broodlac on <i>kusum</i> and <i>patalas</i> 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 : The scientist listed at Sl. No. 1 against each project would act as the Project leader (Principle Investigator).



Ramesh Prasad
(Member Secretary)


SC Agarwal
(Director)