



INDIAN LAC RESEARCH INSTITUTE, Namkum, Ranchi

List of Approved Research Projects for Year: 2003-2004

9/10/03
29/10/03

A-99

PROJECT NO.	TITLE OF THE PROJECT	NAME OF INVESTIGATORS	PER. OF TIME DEVOTED	YEAR OF START	YEAR OF COMPLETION
Evaluation, Improvement and Introduction of Lac Based Farming Systems					
1.1.1	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	2002-2004
1.1.3	Nutrient Management in soil for maximising lac yield	1. Sri G. Singh, Sr. Sc. 2. Dr. S.K. Yadav, Sc 3. Dr. S. Ghosal, Sc.	75% 25% 25%	2000-2001	2005-2006
1.1.4	Management of <i>Flemingia semialata</i> for sustainable lac production under different crop geometry and irrigation	1. Dr. S.K. Yadav, Sc. 2. Sri Y. D. Mishra, Sc. SG. 3. Sri R. K. Singh, Sc.	25% 25% 75%	2000-2001	2005-2006
1.1.5	Integration of <i>Flemingia semialata</i> with horticultural crops for sustainable lac production under irrigated conditions	1. Dr. B.P. Singh, Pr.Sc. 2. Dr. P. Kumar, Pr. Sc. 3. Sri. Y.D. Mishra, Sc. SG. 4. Dr. S.K. Yadav, Sc.	50% 25% 25% 25%	2003-2004	2006-2007
1.1.6	Improvement in Lac Host Plant Propagation Techniques	1. Sri. S.C. Srivastava, Sr. Sc. 2. Dr. B.P. Singh, Pr. Sc.	50% 25%	2003-2004	2006-2007
Insect and Host Plant Improvement for Increased Productivity and Stability					
1.2.1	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 S.C. Srivastava, Sr Sc 4. Dr K. K. Sharma, Sr Sc 5. Y. D. Mishra, Sc. SG 6. Sri D. Saha, Sc.	25% 10% 25% 25% 25% 25%	1997-1998	Long term project

PROJECT NO.

TITLE OF THE PROJECT

NAME OF INVESTIGATORS PER. OF TIME DEVOTED

YEAR OF START

YEAR OF COMPLETION

Development of Technologies for Processing & Diversified Value- Added Products from Lac Resin

2.3.1	Synthesis of some bio-active compounds from aleuritic acid	1. Dr RN Majee, Pr.Sc, 2. Sri S.K.S. Yadav, Sc. 3. Dr. S. Srivastava Sc.	50% 75% 25%	1997-1998	2002-2004
2.3.3	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	Water thinned shellac - synthetic 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
2.3.5	Development of Lac-based coating formulations for extending shelf life of fruits and perishable food products	1. Dr. P.C. Sarkar, Sci. Sr. Sci. 2. Dr. S. Srivastava, Sci. 3. Dr. P. Dey, Sr. Sci (HARP, Ranchi)	25% 25% 25%	2003-2004	2005-2006

Processing & Utilisation of Lac By-Products

2.4.1	Development of lac wax based formulations	1. Dr. N. Prasad, Pr. Sc. 2. Sri S. Giri, Sc. (on study leave)	25%	1998-1999	2001-2004
2.4.3	Mechanisation of <i>bhatta</i> process	1. Sri SK Pandey, Sc. 2. Dr. N. Prasad, Sc.	50% 25%	2000-2001	2002-2004
2.4.4	Use of sticklac in development of composite boards from lignocellulosic waste material, <i>arhar</i> sticks and jute / caddus for panel / furniture	1. Dr. K.P. Sao, Pr. Sci. 2. Sri. S. Pandey, Sci.	75% 25%	2003-2004	2005-2006

Industrial Liaison and Dissemination of Lac Production, Processing and Utilisation Technologies

3.5.1	Mechanisation of lac cultivation operations	1. Dr. N. Prasad, Sc. 2. Sri M.L. Bhagat, Sc. Sr. Sci. 3. Sri S.K. Pandey, Sc.	50% 25% 25%	1998-1999	2001-2004
3.5.2	Publications and publicity activities	1. Sri R. Ramani, Pr. Sc. 2. Dr. K.K. Sharma, Sr. Sc. 3. Dr. N. Prasad, Sc.	45% 25% 25%	1998-1999	Long term project

PROJECT NO. TITLE OF THE PROJECT NAME OF INVESTIGATORS PER. OF TIME DEVOTED YEAR OF START YEAR OF COMPLETION

Sponsored Projects

05. Adoption of Lac Growers of Jharkhand for Model Upliftment through Scientific Lac Cultivation.

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, Sc. Sr. Scale
5. Dr. N. Prasad, Sc.
6. Dr. G. Pal, Sc.

Not-indicated 2001-2002 2003-2004

06. Lac as a source of livelihood, technology intervention for sustained production in Khunti Sub-division

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

Not-indicated 2002-2003 2004 - 2005

DBT Projects

07. Evaluation of bio-control agents and bio-rational approaches for management of lac insect predators

1. Dr. A. Bhattacharya, Pr. Sc
2. Dr. A.K. Jaiswal, Sr. Sc
3. Dr. KK. Kumar, Pr. Sc.

25% 2003 - 2004 2005 - 2006
25% Coordinator

08. Biological, chemical and molecular characterization of lac insect-host plant relationship

1. Dr. K.K. Sharma, Sr. Sc.
2. Sri. D. Saha, Sc.
3. Dr. S. Lakhnampal, DU
4. Dr. H.M. Chawla, IIT, Delhi


25% 2003 - 2004 2005 - 2006
25%


09. Application of molecular fingerprinting for genetic characterization of races and species of lac insect.

1. Sri. R. Ramani, Pr. Sc.
2. Sri. D. Saha, Sc.
3. Dr. J. Nagaraju, CDFD, Hyderabad

10% 2003 - 2004 2005 - 2006
25%

Note: The scientist listed at Serial No. 1 against each project would act as the Project leader (Principle Investigator)/PI


(P. C. SARKAR)
Member Secretary, SRC


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

