



# Bioved News Letter



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## Implementation of Innovative approaches for Demonstration of Scientific Method of Lac Culture Technology by Bioved Research Institute of Agriculture and Technology, (BRIAT) Allahabad

BRIAT, Allahabad reintroduced Scientific method of Lac Culture Technology in Uttar Pradesh for the first time, which was once abandoned. Scientific Method of Lac Cultivation was started since 15<sup>th</sup> July 2003 in four districts viz. Allahabad, Chitrakoot, Mirzapur and Sonbhadra. These districts were selected for frontline demonstration of scientific method of Lac production, and its value addition. 1109 farmers of Allahabad, 332 farmers of Chitrakoot, 291 farmers of Mirzapur and 167 farmers of Sonbhadra were being trained. Due to huge availability of Lac host plants in these areas, lac cultivation is boon for their additional income and self-employment generation, as there is no other means of livelihood related to agriculture except earning through breaking of stones and rocks. BRIAT has recently introduced a short stature, fast growing new lac host plant *i.e. Flemingia semialata*, which has been found more suitable for systematic plantation raising or integrating with agricultural crops. It has shown greater promising results for lac production due to its fast growth, tender shoot and compact growth, which may accommodate more plants in per unit area of land. Lac cultivation is simple with no involvement of high technology and investment. It is eminently suited to the farmers living in vicinity of the forest including women, as it demands only their part time attention. Its cultivation provides an important additional income next to agriculture. It also provides soil, forest, environment and water conservation, besides income and employment generation without any input cost.



## Training Programme on the Technologies developed by MGIRI, Wardha

A three days training programme was organized from 1<sup>st</sup> to 3<sup>rd</sup> August 2014 by joint collaboration of Deputy Director Dr. K.R. Yadav, Sr. Scientist Dr. A.K. Agnihotri, Dr. Aprajita and Shri Jai Kishore Chhangani of MGIRI, Wardha and Sr. Scientists of BRIAT Allahabad on the technologies developed by MGIRI, Wardha and BRIAT, Allahabad at BRIAT auditorium, Allahabad. It was inaugurated on 31<sup>st</sup> July, 2014 by Dr. N.K.S. Gaur, Ex-Minister of Higher Education, Govt. of U.P., who was the Chairman of the session. Dr. Bangali Baboo, Ex Director, NAIP, ICAR was the Chief Guest and Sri Rajiv Jaitly, AGM, NABARD; Mrs. Vibha Mishra, Dy. Director, MSME, Gol; Sri Ajai Kumar Upadhyay, President Swadeshi Jagaran Manch, Kashi Prant were the Special Guests. Dr. S.D. Mishra, Chairman, BRIAT, Dr. B.K. Dwivedi, Director, BRIAT, Dr. K.R. Yadav, Deputy Director, MGIRI and 60 trainees and technical staffs' members (40) of BRIAT were present on this occasion. During these three days, Dr. B.K. Dwivedi delivered a detailed lecture on technologies developed at BRIAT in different fields of Agriculture, Medicinal Plants, Dairy Farming, Poultry Farming, Lac Culture, Spirulina Cultivation and Lac Value added products. He also demonstrated these technologies before the trainees.



The experts from MGIRI Wardha Dr. K.R. Yadav, Dr.A.K. Agnihotri, Dr. Aprajita and Sri Jai Kishore Chhangani conducted lectures and practicals on the lines of their specialization. Dr. K.R. Yadav briefed about total training programme in the beginning. Dr. A.K. Agnihotri gave a detailed account of

making Ayur vedic and herbal based products, herbal cosmetics and Gulal of different colours from the flowers of different plants. Dr. Aprajita gave training on Herbal Mehndi and making of milk from Soybean and Paneer from Soya Milk. She also gave a detailed demonstration of Hair Herbal Tonic and Hair Oil, which was liked by all the trainees. Sri Jai Kishore Chhangani gave a demonstration of making Panchgabya based daily need consumes products *i.e.* White Phenyle, Dhoopbatti, mosquito repellent coil, Agarbatti and Lal Dant Manjan etc. All these experts showed the different products developed at MGIRI Wardha also.

The felicitation function of this training programme was organized on 3<sup>rd</sup> August 2014 at 3:00 pm. in the Auditorium of BRIAT. Dr. R.P. Mishra, Ex. V.C., University of Allahabad was the Chief Guest. This function was presided over by Dr. S.D. Mishra, Chairman, BRIAT. Mrs. Prabha Bhargava, President Allahabad Garden Association was invited as a Special Guest. Dr. B.K. Dwivedi, Director, BRIAT welcomed all the guests, Dr. R.P. Mishra appreciated the activities of MGIRI Wardha and BRIAT, Allahabad on creating the awareness on the products of small scale industries. Dr. S.D. Mishra expressed that the awareness and encouragement is essential for the overall development of country through establishment small-scale industries. Mrs. Prabha Bhargava appreciated the activities of MGIRI Wardha and BRIAT for organising training programme jointly for rural development and industrialization. Dr. K.R.Yadav expressed the role of MGIRI Wardha in the field of creating awareness and providing job oriented work for rural development. He also expressed his views on the importance of cut hair and wings of birds etc for preparation of growth promoters like amino acids for increasing the crop production. Dr. B.K. Dwivedi opined on the future of rural industrialization and expressed that without encouraging people on the adaptation of small-scale industries, country cannot progress. He also expressed the importance of lac cultivation and lac value added products prepared by agriwaste and Bio resource materials at grass root levels. Dr. R.P.Mishra, Dr. K.R.Yadav, Dr. S.D.Mishra, Dr. B.K. Dwivedi, Dr. A.K. Agnihotri and Dr. Aprajita distributed the training certificates among the trainees. Dr. B.K.Dwivedi presented vote of thanks to the participants, trainers, trainees and staffs of Bioved Research Institute. The experts of MGIRI Wardha and Chief Guest were also honoured with memento of BRIAT.



### **Visit of Mrs. Rashmi Anand, AGM, NABARD, Lucknow**

Mrs. Rashmi Anand, AGM, NABARD visited the headquarter of Bioved Research Institute of Agriculture and Technology on 13.8.2014. She was accompanied by Shri. Rajiv Jaitly, AGM, NABARD, Allahabad. This team was welcomed by Dr. B.K. Dwivedi, Director, and Dr. S.D. Mishra Chairman, BRIAT. Mrs. Rashmi Anand interacted with lac artisans of 6 blocks (Meza, Manda. Koraon, Shankargarh, Holagarh, & Kaudihar) and collected information to assess the impact of project in the target areas. She discussed about R&D activities initiated by BRIAT and available infrastructural facilities at Bioved Research institute of Agriculture & Technology, Allahabad. She was very much impressed by seeing Lac craft museum, Library, Laboratories, Pearl Culture Lab, Wooden Crafts Workshop, Lac Value added Workshop, Lecture Hall, Guest Room, Accommodation facilities for trainees. She saw the makings of wooden articles and lac coating on products made of different materials (paper, wood, glass, banana fiber and other agriculture waste materials etc.).

Mrs. Rashmi Anand visited Bioved Krishi Prodyogiki Gram Mohrab, Sringverpur on 14<sup>th</sup> August, 2014 and saw, single window center for sustainable agriculture and rural development. Mrs. Rashmi Anand and



Mr. Rajiv Jaitly discussed about the different lac processing methods with Dr. S.D. Mishra, Chairman and Dr. B.K. Dwivedi, Director, BRIAT and saw the practical demonstration of different equipments and machineries *i.e.* stalled at Bioved Lac processing & ware unit established in 15,000square ft. constructed area. Lac cultivation on *Flemingia semialata*, Kusum, Palas and Ber in 5-acre land and hitech nursery of lac host plants in green houses established in 2-acre land with well-fitted drip irrigation facilities etc. Dr. Rashmi Anand AGM, NABARD Lucknow, Rajiv Jaitly, DDM NABARD Allahabad were very much impressed by observing different activities of BRIAT, related to dairy, poultry, fish, duck, pearl, lac, Spirulina, cultivation and its value addition and available infrastructural facilities viz. smart classroom, library, auditorium, laboratory, museum, computer lab, guest house, women/men hostel, farmers hostel, research farm etc.



### **Independence Day Celebration**

15<sup>th</sup> August 2014 was celebrated as Independence Day at the headquarter of BRIAT, Allahabad. Dr. S.D. Mishra, President, Bioved Research Society hoisted the Flag at 10:00 AM on 15.08.2014. Dr. B.K. Dwivedi, Director BRIAT, all the staff members of BRIAT and Sri S.N. Shukla and Sri Niranjn Singh of Swadeshi Jagaran Manch were present on this occasion .After flag hoisting, a function was organized, where all the staff members of BRIAT promised for performing all the eco friendly activities for societal development in proper and systematic manners.



### **Presentation of UNDP project at Dehradun**

Dr. B.K. Dwivedi, Director, BRIAT made a presentation on UNDP Project on 16.8.2014 at Doon University, Dehradun and lac value added products were demonstrated by Sri. Indra Kant Pandey during the presentation before the members of expert committee of UNDP.



### **Seminar on Hind Swaraj and views of Gandhi in present era**

A seminar on the topic "Hind Swaraj and views of Gandhi in present era" was organized at Sangh Karyalaya Georgetown on 24.08.2014 at 6:00 pm. Dr. R.P. Mishra, Ex V.C., University of Allahabad delivered this lecture. Sri Ajay Kumar Upadhyay, Swadeshi Jagaran Manch was the Chief Guest and, Sri. C.P. Upadhyay, Advocate, High Court presided over the meeting. Dr. B.K. Dwivedi Director, BRIAT participated and expressed his views in this seminar.

### **Three days Training Workshop on Youth Leadership and Group Development**

A three day training workshop was organized from 24<sup>th</sup> to 26<sup>th</sup> August at Bioved Krishi Prodyogiki Gram Mohrab, Sringverpur on youth leadership and overall group development. Gopi Yuva Mandal and Nehru Yuva Kendra, Allahabad organized it jointly. Dr. B.K. Dwivedi, Director, BRIAT was the Chief Guest of inaugural session of this function. Forty members of National Youth Corps participated in different Nyay Panchayat of Kaudihar Block, Allahabad. Different officer and regional representatives and experts on various aspects participated in this programme. Dr. B.K. Dwivedi expressed that the time has come when village youth will not move outside for the Job. They may go other places for the picnic only, because the efforts are being made by BRIAT organization to provide self-employment and additional income in the villages as per their specialization through the introduction of need based, resourceful, eco-friendly recent advanced technologies. Assistant Manager of IDBI Bank Sri Dharm Putra Verma provided detailed information regarding opening of Accounts for Youth in Prime Minister's Jan Dhan Yojana and committed for all desired help from his side.



## **Meeting of Nehru Yuva Kendra regarding its different activities**

A special meeting of Nehru Yuva Kendra was organized under the Chairmanship of District Magistrate on 26<sup>th</sup> August, 2014 at 1:00 pm in Sangam Auditorium of Allahabad Collectorate to discuss and examine the activities of Nehru Yuva Kendra on various aspects viz. Planning of the Annual programmes for 2014-15 and Discussion regarding the association of Nehru Yuva Kendra with other departments. All the respectable members of District Yuva programme Advisory committee attended this meeting. Dr. B.K. Dwivedi, Director, Bioved Research Institute of Agriculture and Technology attended this meeting also, as he is also an active member of this committee.

## **Opening of New ITC Office**

A new office for performing ITC programmes sanctioned to BRIAT Allahabad was inaugurated on 26.8.2014 at Rampur, Karchhana block Allahabad by Sri Jai Shanker Dwivedi, Executive officer, BRIAT, Allahabad. This programme was attended by 26 farmers and explained about the progress of the project in their villages and the present situations of their paddy crops etc. All the staff Members of ITC programmes viz. Sri R.P. Singh, Sri Hari Om Tiwari, Sri R.K. Singh and Sri. Ashish Upadhyay were present on this occasion. Detailed programmes of ITC under Paddy cultivation were discussed and finalized for further periods. The farmers received bio fertilizers, bio pesticides and monthly remuneration by cheque distributed among CRP's by Sri Jai Shanker Dwivedi.



## **Visit of Sri A. K. Mohanti, GM, NABARD, Lucknow**

Sri A. K. Mohanti, GM, NABARD, Lucknow, visited the headquarter of BRIAT, Allahabad on 28<sup>th</sup> August 2014. He inspected different working laboratories, Lac craft center, Bioved Museum, Library, Wood craft workshop, Lac value addition workshop at different halls of BRIAT. He was accompanied by Sri Rajiv Jaitly, AGM, NABARD, Allahabad. Dr. S.D. Mishra, Chairman, BRIAT and Dr. B.K. Dwivedi, Director, BRIAT, Allahabad welcomed him. Next day on 29<sup>th</sup> August 2014, he visited the farm and office at Bioved Krishi Prodyogiki Gram Mohrab, Sringerpur, Allahabad situated at 30 km away from Allahabad headquarters at Allahabad Lucknow high way. There he inspected and saw the live demonstration of Lac cultivation and Pearl culturing. He visited Bioved Lac processing and ware unit. Dr. Dwivedi explained about the different working of machines for lac processing *i.e.* scraper, crusher, winnowing, grading, washer, aleuritic acid and lac dye preparation plant, Button lac preparation unit and lac value added products preparation unit and interacted with lac artisans, which were involved in this technology permanently. He saw ponds for pearl culturing, ponds of Spirulina cultivation, Dairy farm, Poultry farm and all the newly constructed buildings at Sringerpur for different purposes *viz.* Auditorium, smart class room, library, lab, farmers Hostel, green house and Guest House etc. He also saw the lac cultivation on *Flemingia* and *Stevia* Cultivation. He was well impressed with the different activities of BRIAT in one place spread over in 50 acre own purchased land. Dr. B.K. Dwivedi, Director, BRIAT, Dr. S.D. Mishra, Chairman, BRIAT, Sri Rajiv Jaitly, AGM, NABARD accompanied him and explained the working of various aspects. Dr. Dwivedi explained him about the possibilities and importance of AGRI-TOURISM at Sringerpur, if some additional financial assistance is received from organizations like NABARD.



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