



Bioved News Letter

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Objectives of Bioved Research Institute of Agriculture & Technology (BRIAT) Allahabad

Bioved Research Society a Non Govt. Organisation established on 1988 and registered under Society Registration Act, 1860, and recognised by Govt. of India, Ministry of Science and Technology, Ministry of Home Affairs, Min. of Finance, U.P. Govt, Ch. Charan Singh University, Meerut, M.G.C.G.V. Satna M.P. and Integral University, Lucknow. The main objective of BRIAT is to encourage farmers, researchers and persons concerned with methodology for human research development in Bio-science by describing new findings, theories and achievements of basic and applied nature. It also provides a medium for exchange of ideas among farmers and scientists by holding Seminars, symposia and Indian Agricultural Scientists and Farmers' Congress annually on topics of national importance. The publication of its three international, biannual, NAAS rating journals namely "Bioved" dealing with biological sciences, "Current Nematology" exclusively dealing with plant and animal parasitic nematodes and "New Agriculturist" devoted mainly to advances in agricultural sciences are worth to be appreciated for the benefit of scientists, farmers and administrators. The publication of Bioved Monthly NewsLetter is for the purpose of creating day to day awareness among the farmers, researchers & students devoted fully in Agricultural Sciences through the different activities of BRIAT.

Main activities of Bioved Krishi Prodyogiki Gram Moharab, Sringverpur

Bioved Krishi Prodyogiki Gram Moharab, Sringverpur; Single Window Center of different demonstrated technologies for sustainable agriculture and rural development in 50 Acre own purchased land situated at Allahabad-Lucknow Highway, 33 Km. away from Allahabad Headquarter. The main research and development activities of BRIAT includes Innovation of soil testing kit; Management of Nematode problems; Bullock Energy Based Pump; Innovation and Demonstration of Scientific Method of Lac Culture Technology; Establishment of Bioved Lac Processing and Ware Unit; Waste and Barren Land Development through Agro-Lac host plantation; Establishment of Hi-tech Nursery; Demonstration cum training centre of fresh water pearl culture and mass culture of Spirulina; Mass production, commercialization and utilization of some medicinal plants and processing of value addition of end products; Stevia cultivation and its value addition; Demonstration of new germ plasm for bio-diesel production; Mushroom cultivation; Bee keeping and post harvest technology for honey processing; Demonstration of developed Bio-Control Agents under farmer's field for eco-friendly management of root knot nematodes of vegetable crops and other crops; Management of post harvest diseases of guava by bioactive compounds from natural plant resources; Establishment of Bio-Control laboratory for pest management; Bio-resources materials based value added entrepreneurship for women empowerment; Women empowerment through ornamental fish breeding and culture for commercial mass production; Establishment of modern poultry farming system; Demonstration and training programmes for integrated management of major insect pests and diseases of potato other major crops linked with income and self employment generation; Integrated Fish-Duck-Poultry-Pearl-Lac-Jatropha and other hi-tech nursery farming; Establishment of modern dairy farm for clean and quality milk production and breed up gradation; Unseen Agriculture through Bioved Agri-Tourism in Allahabad; Environmental conservation through organising mass awakening programmes and organisation of Indian Agricultural Scientists and Farmers' Congress annually since last 16 years continuously.



It is a matter of great pleasure that BRIAT is taking action in all the directions for the benefit of farmers, youth and women upliftment. The publication of Bioved Monthly Newsletter is an effort in the same direction. It is expected that it will prove an efficient and fruitful step.

Meeting of PMIC at Regional office of Baroda, Uttar Pradesh Gramin Bank

A meeting was organised at Baroda Uttar Pradesh Gramin Bank on 3.6.2014 by NABARD to discuss the problems of projects of NGO involved. This meeting was attended by DDM, NABARD, Regional Manager Mr. S.K. Mitra, Dr. B.K. Dwivedi, Director BRIAT and Senior Officers of Baroda, Uttar Pradesh Gramin Bank, all the NGO members of NABARD and Rajeev Gandhi Mahila SHG's etc. to discuss the problems faced by Bank and its management.

A Ten days Training of members of SHG's of Sitapur under RIF Project of NABARD

A ten days training programme since 4.6.2014 to 13.6.2014 was organised at Bioved Research Institute of Agriculture and Technology, Allahabad for the members of SHG's of Maheshpur, Rajapur, Kala, Tapra, Bhajipurwa Misanpurwa, Karsa of Reusa block of Sitapur district on nursery raising of lac host plants, Lac Cultivation and lac value addition on paper jewellery formation under RIF project of NABARD. A total of 15 beneficiaries participated in this training programme. Mrs. Sanju Devi, Mrs. Sarojini Devi, Gita Devi, Pushpa, Aarti Devi, Pramila Devi, Milaniya Devi were trained for the preparation of lac value added products. A special training was provided to prepare the paper jewellery with joint use of lac value addition. Mr. Jagat pal, Remesh Chandra & Ram Chandra Gupta were trained for nursery development of different lac host plants. Mr. Bihari, Mr. Ram Chand, Mr. Mangu, Mr. Nandlal & Mr. Kaushal were trained for scientific method of lac cultivation.



Master trainers Mrs. Kiran, Manju, Pramila, Suman, Anjali, Savitri, Seema of BRIAT provided training to the beneficiaries participated in the programme. Scientific method of lac cultivation & high-tech nursery development training programme were given by Dr. S.D. Mishra, Dr. B.K. Dwivedi, Ms. Namrata Jaiswal, Mrs. Shubham Srivastava, Mrs. Anjali Mishra, Mr. Indra Kant Pandey, Mr. Jay Shankar and Mr. Deepanshu Dwivedi.

Celebration of World Environment Day

World Environment Day was celebrated at BRIAT, Allahabad on 5.6.2014 at 11.00 AM in the main auditorium hall. This function was presided over by Dr. S.D. Mishra, Chairman, BRIAT. Dr. B.K. Dwivedi, Director, BRIAT delivered a lecture on Environmental Conservation through Lac cultivation. All the staff members of BRIAT and seventy students, farmers, Social Workers and NGO partners participated in this function and an appeal was made to popularize steps for environmental conservation and tree plantation on this day. All the participants took oath for the plantation of at least 4 plants in a year upto this day at any cost.

Organisation of Summer Training Programme from 11.6.2014 to 10.7.2014

Inauguration of one month Summer Training Programme was organised at BRIAT, Allahabad on 11.6.2014 on Lac Cultivation, Spirulina Cultivation and Fresh Water Pearl culture. A number of 15 students of B.Tech. (Biotech) final year from Integral University, Lucknow participated in this programme. This programme was inaugurated by Dr. Krishna Mukherjee, Resident Dr of Kamla Nehru Memorial Hospital, Allahabad, who was the Chief Guest on this occasion. The Inaugural Session was attended by Dr. S.D. Mishra, Chairman, BRIAT, Dr. B.K. Dwivedi, Director, BRIAT, Dr. Hari Om Singh, officer in charge Kamla Nehru Trust, Allahabad and all the staff members of BRIAT. Dr. S.D. Mishra welcomed the Chief Guest and other dignitaries present on this session. He also emphasized the programme of summer training in brief. Dr. Krishna Mukherjee appreciated the interest of the students participating in the training and highlighted the importance of the programme and also the need of the present day for the Job security and Rural Development. Dr. B.K. Dwivedi expressed his views on the importance of Lac cultivation,



Spirulina cultivation and Pearl culture in detail. He narrated about the programmes of one month and distributed a copy of the same, which included details of full days classes on theories and practicals on Lac cultivation, Spirulina cultivation and Pearl culture. One Month Summer Training Programme is being organised each year by BRIAT on the scientific methods of Lac cultivation, Fresh Water Pearl culture and Spirulina Cultivation and its value addition for the students of B.Tech (Biotech) and M.Sc Biotechnology. Importance of Lac cultivation, Fresh water pearl culture and Spirulina Cultivation, their present status at national and international level,



materials and methods, disease management, classification, morphology, life cycle and identification of different species etc., Linkages with environmental conservation, income generation and employment generation were also highlighted during the training programme, practical demonstration in laboratory as well as in the fields have also been conducted in detail by learning and doing methods. All the students viz Ms. Jyotisha Gupta, Ms. Isha Srivastava, Ms. Anjali Shukla, Ms. Summaiya Moiz, Ms. Vasundhra Singh Gautam, Ms. Varsha Rai, Ms. Utkarsha Shukla, Ms. Usha Singh, Ms. Afsheen Imam, Mr. Sanjeet Kumar, Mr. Syed Hasan Kamal, Mr. Shubham Srivastava participated in this training programme on regular basis and they showed their keen interest in learning and doing method of Lac, Pearl and Spirulina cultivation in proper manner. Dr. S.D. Mishra Chairman, Dr. B.K. Dwivedi Director, Mrs. Shubham Srivastava, Ms. Namrata Jaiswal, Mrs. Anjali Mishra, Research Scientists and Mr. Ashok Manwani, Mr. Jai Shankar Dwivedi, Mr. Indra Kant Pandey, Mr. Deepanshu Dwivedi, Mr. Mohit & Mr. Sangam actively participated for conducting the programme in theoretical and practical manner. All



the trainee students visited Bioved Krishi Prodyogiki Gram at Sringerpur and they viewed lac, pearl, spirulina cultivation in field conditions, primary lac processing unit, lac value added products preparation technology and its marketing process at larger scale etc.

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Dr. B.K. Dwivedi, Director, BRIAT participated in 2nd U.P. Agricultural Science Congress

Dr. B.K. Dwivedi, Director, BRIAT along with Mr. I.K.Pandey Training Co-ordinator and Mr. Mohit Singh Extension Officer participated in 2nd U.P. Agricultural Science Congress on "Technological and Governance Strategies for Advancement of Agricultural Education, Research and Extension In Uttar Pradesh" during 14-16 June 2014 at IISR, auditorium, Lucknow. Hon'ble Shri Akhilesh Yadav, Chief Minister, U.P. Govt. inaugurated the congress with Dr. Panjab Singh, Dr. M.D. Pathak, Mr. Manoj Pandey, Min. Agriculture, Shri Rajeev Kumar Singh, State minister Agric. Education & Research, Mr. Lallan Rai, Chairman UPCAR, Dr. Rajendra Kumar DG UPCAR and Mr. Debasish Panda, Principal Secretary, Agriculture, U.P. Govt. and highlighted that innovative,



eco-friendly technologies developed by Universities and Institutes should be demonstrated at farmers filed positively. Dr. B.K. Dwivedi, Director, BRIAT delivered an invited talk on Lac culture and its value addition technology should be introduced in Agric. Education, Research & Extension in U.P.

Visit of Dr. Bangali Baboo, Ex Director, NAIP, New Delhi

Dr. Bangali Baboo Ex. Director, NAIP, New Delhi visited BRIAT on 22.6.2014. He was welcomed by Dr. B.K. Dwivedi, Director, BRIAT. Dr. Bangali Baboo viewed all the laboratories and discussed in detail about the Research Development activities performed by BRIAT Allahabad. Dr. Bangali Baboo was very much impressed by viewing the innovative technology developed for fresh water pearl culture, technology, designed bead formation, handicraft items of waste muscles based with joint use of lac. He appreciated the efforts of BRIAT for reintroduction of lac cultivation in U.P., once it was abandoned and done a tremendous job for domestic consumption of lac through the preparation of 350 lac value added products with joint use of bioresources and agriwaste materials available in each and every places in free of cost. Demonstration cum sale point of lac value added products established at BRIAT, provided a new horizon for rehabilitation of the poorest, resource less, Income less families of the different places residing in different districts of U.P., He appreciated the activities of BRIAT and gave suitable suggestions and remarks for the development of the organisation.



Demonstration & training programme under the Life Skills Education Campus for the unemployed youths

90 students and dropout, unemployed men and women of Chaka block Allahabad District were trained by BRIAT under the scheme of Life Education Campus, Nehru Yuva Kendra Sangathan, an Autonomous Body under the Ministry of Youth Affairs & Sports Government of India on 29 June, 2014 in the Auditorium of Bioved Research Institute of Agriculture & Technology, Allahabad. BRIAT demonstrated recent advanced need based, resourceful technologies for self employment and additional income generation. These students were trained by learning and doing methods to disseminate the innovative technologies developed by BRIAT, Allahabad among the other beneficiaries of their target areas.



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