



Bioved News Letter



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About Bioved Lac Craft Centre

Bioved Lac Craft Centre is an important extension wing of Bioved Research Society established in the year 2003 at its Headquarter at Allahabad and it is duly registered & recognised by Govt of India and U.P. Govt. It is a full fledged wing having an attractive museum (Containing Lac Value Added Products and gift items made up of glasses, wood, bones, sugarcane waste, bamboo, wall hangings, paper garments, farm yards, manure earthen pots, Gobar pots, earthen idols, earthen diya, steel garments, pen, pen stands and 350 domestic products etc.) It is an innovative centre purposely developed for the training purpose and earnings for those farmers, poor people and unemployed youths, who are in need of job during adverse conditions of farming and also the women interested in getting some jobs to earn money in their extra or free times. A large number of visitors used to come daily at this centre to know about lac value added products. Many youngsters and women from in and around areas of Allahabad and tribal women from Jharkhand & M.P. have been trained by our Master Trainers and are earning their livelihood at larger scale.



Bioved lac craft centre

CRP Meeting of ITC

A CRP meeting of ITC was held at the Auditorium of Bioved Research Institute of Agriculture and Technology, Allahabad on 5.7.2014 at 11.00 AM. to finalize the programme of Paddy Cultivation at Karchhana, Allahabad and Chandauli. This meeting was attended by Dr. S.D. Mishra, Chairman, Bioved Research Institute of Agriculture and Technology (BRIAT); Dr. B.K. Dwivedi, Director, BRIAT, Sri. Vachaspati Mishra, P.O., ITC, Lucknow and CRP members and farmers. Sri. R.P. Singh, Coordinator of ITC programme welcomed all the guests and gave an introductory knowledge of ITC project. He briefed about the different steps of paddy cultivation especially on the use of SRI, DSR, Drum seeder, Conoweeder, Marker etc. He also informed the farmers about varietal selection, seed treatment methods, seed rate and paddy nursery management, transplanting methodology and its period, use of fertilizers and irrigation management etc. CRP / Farmers present in the meeting expressed their demand for timely availability of agricultural machineries to achieve the target of paddy cultivation. Assurance and appreciations were made by Dr. S.D. Mishra & Dr. B.K. Dwivedi. Sri. Jai Shanker Dwivedi, Executive Officer, BRIAT gave vote of thanks.



CRP Meeting of ITC at BRIAT auditorium

Meeting with DM, Allahabad

A Governing body meeting of Agriculture Technology Management Agency (ATMA), U.P. Govt and Executive Committee of National Food Security Mission (NFSM) were organized at DM office on 8.7.2014 at 1:30 pm under the Chairmanship of Mr. Guru Prasad, District Magistrate, Allahabad, to discuss the matters related to agriculture in Allahabad district, which was attended by Mr. Atal Kumar Rai, CDO, Allahabad and Sri Anil Kumar Pathak, Deputy Director, Agriculture U.P., Secretary ATMA, Allahabad including different officers of line department, progressive farmers and Dr.B.K.Dwivedi, Director, Bioved Research Institute of Agriculture and Technology, Allahabad, as a representative of NGO's. Estimated physical and financial target of the budget of year 2014-15 was decided for implementation of project ATMA & NFSM in Allahabad through different line departments of Agriculture, Horticulture, Fisheries and Animal Husbandry etc.

Summer Training Programme on Lac Cultivation, Freshwater Pearl Culture and Spirulina Cultivation

One month summer Training Programme was organized from 11.6.2014 to 10.7.2014 at the headquarter of Bioved Research Institute of Agriculture and Technology, Allahabad on Lac Cultivation, Pearl Culture and Spirulina Cultivation for 15 students of B.Tech (Biotech) of Integral University of Lucknow participated in this training programme. 5 students viz. Ms. Vasundhra Singh Gautam, Ms. Utkarsha Shukla, Ms. Afsheen Imam, Ms. Summaiya Moiz and Mr. Syed Hasan Kamal honoured with 'Bioved Merit Award' and 7 students viz. Ms. Jyotisha Gupta, Ms. Isha Srivastava, Ms. Anjali Shukla, Ms. Usha Singh, Mr. Sanjeet Kumar, Mr. Shubham Srivastava and Ms. Varsha Rai were honoured for showing excellence performance in Lac, Pearl and Spirulina cultivation in practical and theoretical manner. This Training was ended on 10.7.2014 as per schedule. In the afternoon of 10.7.2014, a valedictory function was organized in the presence of Dr. S.D. Mishra Chairman, BRS and Dr. B.K. Dwivedi, Director, BRIAT. This Programme was attended by all the staff members of BRIAT, Instructors of Lac cultivation, Pearl culture and Spirulina Cultivation; All the trainees were given certificates and gifts of lac value added products. Special certificates were given to 5 best trainees, who were selected on the basis of their knowledge tests. This programme ended with the blessings and congratulations of Dr. S.D. Mishra and Dr. B.K. Dwivedi to all the trainees.

Obituary

A very sad news was received regarding the death of **Dr. S.A.H. Abidi**, a founder member of BRIAT at Lucknow on 11.7.14. A condolence meeting was held in the Hall of BRIAT with pray from almighty for the peace and heaven to the departed soul. Dr. Abidi was well known Scientist (Fish and Fisheries) and recipient of different National and International Award, Fellow of different organisation and author of 12 books and published 200 research papers in National and International Journals. Dr. Abidi visited 50 countries of the World as a expert member of the country. Dr. Abidi always had done excellent works for dissemination of recent advanced developed technologies in the laboratory to farmers' field condition. Dr. Abidi was former member, ASRB and Director/V.C. of CIFE, Mumbai



Dr. Gopal Pandey, former Dy Director, BRIAT passed away suddenly on 27 July 2014 due to heart attack. Dr. Pandey was Plant Pathologist and PI and Co-PI of DST and DBT funded projects, sanctioned to BRIAT Allahabad.

Participation in the meeting of Women Education and their Protection

A discussion meeting was organized at Kanha Shyam Hotel at Allahabad on 14.7.2014 by Hindustan Newspaper to discuss on the issues of women education and their empowerment. Two research scholars of Bioved Research Institute of Agriculture and Technology, Miss. Namrata Jaiswal and Mrs. Shubham Srivastava participated in this meeting. Ms. Namrata Jaiswal expressed that girls should be self dependent. Self dependent girls may fight in the society in better way. Similarly Shubham expressed about the importance women education so that the present day prevailing problems will be sorted out easily. Likewise many respected women of Allahabad City expressed their views on the importance of education in the present day society.

Invitation from Akashvani, Allahabad

Dr. B.K. Dwivedi, Director, Bioved Research Institute of Agriculture and Technology was invited for the recording on the subject of Scientific Cultivation of Pulse crops by Akashvani, Allahabad on 14.7.2014 and broadcasted on 18.7.2014 at 6:05 A.M.

Inoculation of Brood Lac

Brood Lac (8 quintals) was purchased by BRIAT timely from the lac growers on 15.7.2014. The extension staff members of Bioved Research Institute of Agriculture and Technology, viz. Indra Kant Pandey, Ashok Manwani, Diksha Pandey, Sangam, Ved Prakash, Mohit Singh, Nanhelal, Lal Ji, Chandra Sekhar, Manoj, Anshu, Karan, taken initiative for the immediate inoculation of brood lac in their respective hosts at Bioved Krishi Prodyogiki Gram Mohrab, Sringverpur. Big sticks of brood lac were cut in to pieces of 4-5 inches and were tagged and tied on the newly emerged twigs of lac hosts plants and *E.semialata* of lac insects with the help of Laborers and all the staff members of Bioved Research Institute of Agriculture and Technology. This entire programme was done under the guidance of Dr. B.K. Dwivedi, Director, Bioved Research Institute of Agriculture and Technology. Dr. S.D. Mishra, Chairman, Bioved Research Institute of Agriculture and Technology was also present during this process. This entire inoculation programme was finished within 2-3 days with the hard labour of all the workers, otherwise it would have been a great loss, if all the insects would have emerged. This process requires great alertness to save from the huge loss remaining 5q Broodlac was distributed among the lac growers of Allahabad, Sitapur and Hardoi.



Dr. B.K. Dwivedi explaining about lac cultivation at Bioved Krishi Prodyogiki Gram Mohrab, Sringverpur.

Visit of Sri Kashmiri Lal, National President, Swadeshi Jagaran Manch

Sri. Kashmiri Lal, National President, Swadeshi Jagaran Manch along with his team visited our Krishi Prodyogiki Gram Mohrab Centre at Sringverpur on 16.07.2014. He was accompanied by his senior members of Manch, Sri. Ajay Kumar Upadhyay and Niranjana Singh, Dr. S.N. Shukla and 8 members of different places. Dr. B.K. Dwivedi, Director, BRIAT and Dr. S.D. Mishra,

Chairman, BRIAT welcomed this team. Sri. Kashmiri Lal visited all the labs of this centre and workshops of Lac processing unit, pearl Culture pond, Spirulina culturing unit, Jatropha cultivation and host plants of Lac cultivation viz. Kusum and Flemingia. He also observed the process of Lac insect inoculation on the twigs of Flemingia, as Lac culturing was being done by the workers on this day. To observe the lac inoculation process and different activities of Bioved Research Institute of Agriculture and Technology, a Z-News TV team also visited this centre, which video photographed all the activities to be broadcasted for creating awareness among farmers and persons interested in Lac cultivation. The team of Sri Kashmiri Lal was well impressed with the activities of BRIAT and they appreciated and congratulated Dr. Dwivedi and his team for such pioneering work.

A Seminar on "General Budget in the Eyes of Swadeshi"

A Seminar on "General Budget in the Eyes of Swadeshi" was organised jointly by BRIAT and Swadeshi Jagaran Manch, Kashi Prant in the afternoon of 16.07.2014 in the auditorium of Bioved Research Institute of Agriculture and Technology. Dr. N.K.S. Gaur, Ex-Minister of Higher Education, Govt. of U.P. was the Chief Guest on this occasion. The meeting was presided over by Dr. S.D. Mishra, Chairman, BRIAT. Other dignitaries present on this occasion were Sri. Kashmiri Lal, National President, Swadeshi Jagaran Manch, Sri. Ajay Kumar Upadhyay, Dr. Anand Shanker Singh, Principal, Ishwar Sharan Degree college, Mrs. Shail Tanya Srivastava, Sri Shantanu Ji Maharaj, Sri Akhilesh Srivastava, Sri Bhakt Raj Pandey, Sri, Karuna Shanker Shukla, Sri M.D. Mishra, Sri, Ashish Gupta, Sri. V.P. Singh, Sri Ram Sewak Tripathi, Dr. Suresh Shukla and Dr. Niranjana Singh.



A view of seminar organised in the auditorium of BRIAT

Dr. Gaur appreciated the activities and achievements of Bioved and Swadeshi Jagaran Manch. He expressed that for the first time the central budget is being appreciated from all corners and with the establishment of AIMS and IIM. There will be encouragement in the field of education and health. He appreciated the Naveen Ganga Yojana, Joining Yojana of all the rivers, save daughters and educate daughters' Yojana of central Govt. and stressed upon the encouragement of small scale industries.

Sri. Kashmiri Lal expressed that for the first time for Swadeshi Development, a budget of Rs. 18 Lac Crore has been presented. He said that Mahatma Gandhi was never in against of Technological development but he was against the neglecting small scale industries. He was against to encourage PPP and said that inspite of Bullet Trains, much preference should be given to neglected plans of Railways. He stressed upon the right timings of trains and good facilities to be given to passengers during travel. He appreciated the budget allocation of 10,000 crores of Govt. for small scale industries. He also appreciated the encouragement of Govt. on Agriculture, Road transport and Industrial Training Centers. He also stressed on the need of Hard Work and Honesty in the day to day dealing of official work.

In his presidential speech Dr. S.D. Mishra expressed that about 30% of Indian population is living below poverty line. To overcome this level, we have to encourage small scale industries and make improvement in agriculture sector by incorporating high yielding varieties, recent technology in agriculture and soil testing etc. and by creating awareness among the farmers specially youth.

Sri Ajai Kumar Upadhyay said that encouragement in the Swadeshi is must to provide job opportunity to large number of unemployed youth. He stressed upon the decentralization of plans and follow up for the industries related to agriculture. He also appreciated the plans of Kaushal Vikash Kendra.

Dr. Anand Shankar Singh expressed that our planning should be on universe basis but the action should be local. Encouragement on the Religion Tourism is required for the encouragement on Swadeshi products. He appreciated the budget and said that now our country may progress on it's own efforts. He also stressed upon the small scale industries to strengthen economic status of the country.

Dr. B.K. Dwivedi, Director Bioved Research Institute of Agriculture and Technology appreciated the budget in every respect. He expressed that it is good that small scale industries have been encouraged very well in the budget but much emphasis has been given on the agriculture especially through Soil Testing, Irrigation facilities, production of value added products, Agri-Tourism etc. It will result a better situation in future for improving Economic condition of our country.

Awareness Programme on the Technologies Developed by MGIRI, Wardha

An awareness programme was organised on 31st July, 2014 by joint collaboration of staff members of MGIRI (Mahatma Gandhi Institute of Rural Industrialization) Wardha and Bioved Research Institute of Agriculture and Technology (BRIAT) in the auditorium of BRIAT, Allahabad. This programme was organized to create awareness about the latest Technologies developed by MGIRI and BRIAT among farmers, students, Scientists and administrators involved/interested in Bioresource utilization, value addition in different agricultural produce and value of medicinal plants keeping in view their spread in rural industrialization. Dr. N.K.S. Gaur, Ex-minister of Higher Education. Govt. of U.P. was the Chairman and Dr. Bangali Baboo Ex-Director, NAIP, ICAR Min of Agriculture GoI. was the Chief Guest, Sri Rajeev Jaitly AGM, NABARD, Mrs. Vibha Mishra, Dy. Director MSME, GOI. and Sri Ajai Kumar Upadhyay, President, Swadeshi Jagaran Manch, Kashi Prant, U.P. were the Special Guests. In the Inaugural Session Dr. S.D. Mishra, Chairman, BRIAT welcomed the Chairman, Chief Guest, Special guests and all the dignitaries, farmers, students, trainees, staff members of the MGIRI and BRIAT. He also expressed his views on the importance of such programmes in relation to rural development. Dr. B.K. Dwivedi, Director, BRIAT said that



A view of awareness programme organised at BRIAT, Allahabad



A view of awareness programme

BRIAT has well equipped air conditioned research laboratory; 10 training halls; Administrative office; classrooms; lac processing and ware unit, 1 hectare fish pond; gents and ladies hostel facilities for fooding and lodging; Museum; library at its Bioved Krishi Prodyogiki Gram Moharab, Sringerpur; Single window center in 50 Acre land situated at Allahabad-Lucknow Highway, 35 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 Research; 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; Standardization of the process 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; Demonstration of new germ plasm for bio-diesel production; Mushroom cultivation; Bee keeping and post harvest technology for honey processing; Demonstration of Bio-control Agent under farmer's field for eco-friendly management of root knot nematodes of vegetable crops; Management of Post harvest diseases of guava by bioactive compounds from 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 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.

Dr. K.R. Yadav Deputy Director, MGIRI, Wardha, gave a detailed account of this programme, which they are doing at several places of the country through awareness programme as well as through trainings in the different technologies developed by MGIRI, Wardha for rural industrialization.

Dr. Bangali Baboo expressed the need of market oriented research for job opportunity and full time involvement in the present day scenario for rural industrialization, which is possible through research on commercial viability, profit oriented and technologically feasible practices. He emphasized the importance of rural industrialization through coating products with Lac (which is ecofriendly), medicinal plants cultivation, Brown sugar (a substitute of Sugar), Live fishes (catching and selling). He suggested for the use of traditional food and utilization of Hair as an industry.

Dr. Gaur opined that real research benefit is not reaching to farmers. There should be awareness programme on how to increase yield for which better seed and better fertilizers should be provided to them after soil testing. Farmers should be encouraged to use biofertilizers and adopt organic farming for getting better yield. They should be thought about small scale industries. Much emphasis should be given on wheat industry, Herbal medicine industry, sugar industry, paper industry, Guava industry; Hair cut industry, chips industry, Kaleen industry etc. He appreciated and said that these types of programme organized by MGIRI and BRIAT should be organised in 2or3 different places also and Dr. Gaur called it as Sangam for rural industrialization and also said it as a good start. He expressed his good wishes for the success of this programme.

Mrs. Vibha Mishra suggested to incorporate carpet making as in Bhadohi, and rice cluster in Mirzapur in rural development programmes. She appreciated the activities of BRIAT and MGIRI and assured to provide all help at her end.

Sri. Rajiv Jaitly expressed that NABARD is always for such industrialization. He said that his organization always support Non-farm sector. He expressed the U.P. is backward only because of non involvement in industrialization. NABARD always grants loan for NGO on 4-6% interest and provide facilities on every activities, which are for the benefit of farmers.

Sri Ajay Kumar Upadhyay suggested that MGIRI should make such programmes and projects for all districts of U.P. and he will provide necessary assistance. He expressed that India is the country of 5 Lakh villages and if such technologies are not incorporated for the rural development, it will become a "Old Age Home" by 2030. He informed about a National Seminar on 25th September through Swadeshi Jagaran Manch in which much emphasis will be given on industries to all villages, and Job opportunities to village youths.

In the afternoon, a Technical Session was started from 2.30 pm to 4.30 pm in which experts from MGIRI, Wardha Dr. A.K. Agnihotri gave a lecture on industries related to medicinal plants; Dr. Aprajita gave a lecture on industries related to food products and Sri Jai Kishore Chhangari gave a lecture on industries related to Panchgabya. About 150 participants from various organisations and SHG's participated. In this organized awareness programme Dr. Kumud Dubey and Dr. Anubha Srivastava, Director of Forest Department, Dr. Ruchi Mittal, Director, Ruchi Classes, Representatives of different NGOs and research scientists of BRIAT viz. Jay Shanker Dwivedi, I. K. Pandey, Deepanshu Dwivedi, Shubham Srivastava, Namrata Jaiswal, Anjali Mishra, R.P. Singh, Ashish Upadhyay, R.K. Singh, Hari om Tiwari, from extension dept. Sangam, Mohit Singh, Ved Prakash Chaurasia, Ved Prakash Maurya, Reena Verma, Diksha Pandey, Anshu, Manish etc. participated and expressed their views. Dr. Suresh Shukla, Dr. Niranjan Singh, Vishwnath Nishad, R. N. Singh, Bank of Baroda and different women workers Kiran Pandey, Manju Pandey, Suman Mishra, Pramila Upadhyay, and Anjali Kanaujia also participated in this programme.

Dr. B.K. Dwivedi, Director

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