



Bioved News Letter



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Integrated Fish-Duck-Poultry-Pearl-Lac-Jatropha and Hi-tech Nursery Farming at BRIAT

Bioved Research Institute of Agriculture & Technology (BRIAT), Allahabad, has developed a model of Integrated Fish Farming in 1 ha land pond area at its Bioved Krishi Prodyogiki, Gram, (BKPG) Moharab, Sringerpur, Allahabad for creating self confidence among the farmers so that they can earn at least Rs. 5000-6000 per month in the investment of Rs. 25000 only and after one year total minimum income will be Rs. 2-3 lakh. Many farmers of near by areas of Allahabad are being benefitted by adopting this model. Similarly, BRIAT has established Hi-tech nursery farming system also at its BKPG, Moharab, Sringerpur, Allahabad, where Green House, poly-house, drip and sprinkler system of irrigation, tissue culture lab etc. have been established.

Hi-tech nursery of hybrid papaya, nursery development of Biodiesel plants through seeds & vegetative method, Stevia, medicinal and aromatic plants, verma teak, different varieties of hybrid rose, vegetables, flowers and fruit plants are being developed and distributed among the growers for maximum growth and yields. BKPG, Moharab, has raised hi-tech nursery through SHG of Stevia plants 4.5 lakh, Jatropha-5.5 lakh, Verma teak-7.5 lakh, Lac host plants- Ber 5.0 lakh, Palas-3.5 lakh, Flemingia-4.8 lakh, Kusum-1.5 lakh, Galwang-2.5 lakh, Siris-1.5 lakh, Aonla-0.5 lakh, Guava-0.5 lakh, Citrus-0.3 lakh, Jack fruit-0.5 lakh, Hybrid Papaya-0.5 lakh, Hybrid Vegetables- Tomato, Brinjal, Cauliflower, Cabbage, Chilli, Shimla Mirch etc.



A view of Integrated farming at Bioved Krishi Prodyogiki, Gram, Moharab, Sringerpur, Allahabad

Special Lecture cum Demonstration & Workshop on Lac Cultivation, Soil & Water Testing, Adulteration, Pearl Cultivation and Medicinal Plants” At JTGDC, Allahabad

A special Lecture cum demonstration & workshop was organised by Geography Department, Jagat Taran Girls' Degree College, Allahabad from 1st Dec. 2014 to 6th Dec. 2014 on “Lac Cultivation Soil & Water Testing, Adulteration, Pearl Cultivation and Medicinal Plants” in the auditorium of college. Dr. B.K. Dwivedi, Director, BRIAT, Allahabad presented an invited talk on Lac cultivation & its value addition; Dr. S.D. Mishra, Chairmain, BRIAT, on Primary Lac processing, Soil health, and problems related to plant parasitic Nematodes; Dr. Mohd. Arif Ex-Senior Scientist, DRDO gave lecture related to environmental protection & adulteration. Mr. Ashok H.





Manvani, Executive Officer, Pearl Culture BRIAT explained about the importance of fresh water pearl culture and different techniques of Pearl cultivation and Mrs. Kulanjan Dubey demonstrated the art of Mussels operation & preparation of value added products made from dead Mussels. Mrs. Shubham Srivastava, Research Scientist, BRIAT, gave lecture and demonstrated Soil & Water Testing and about the Medicinal Plant cultivation and its importance. Mrs. Kiran Pandey, Mrs. Manju, Mrs. Suman and Mrs. Anjali Kanaujia Master Trainers of BRIAT provided training for lac value added products preparation to the 150 students of Jagat Taran Degree college (University of Allahabad).



6 weeks S & T Entrepreneurship Development Programme organized by Udmita Vikas Sansthan, Allahabad sponsored by Ministry of Science and Technology, Government of India.

Dr. B.K. Driwedi, Director, BRIAT, Allahabad trained about the different value added products made with joint use of lac and bio resources and Agri-wast materials. Income and Employment generation by soil testing programme, development of Agri-entrepreneurship and Agri-based small scale industry. This programme was organized under the auspices of Udmita Vikas Sansthan, Hewett Road, Allahabad, sponsored by DST Government of India. 65 trainees participated in this programme under the technical guidance of Mr. Dharmendra Nath, Programme Co-ordinator, Center for Industrial management Consultancy, Kanpur. All these Entrepreneurs visited Bioved Research Institute of Agriculture and Technology, Allahabad and interacted with Technical Staffs, Research Scientists and other trained Resource Persons of BRIAT for establishment of own entrepreneurship.



Seminar on Redefining Strategies for Agricultural Development Including Education, Research and Extension in Uttar Pradesh

The State Agricultural Education, Research and Extension need to revamped taking the advantages of new ideas to keep pace with the emerging environmental, social and economic challenges that the state faces today to increase agricultural production. Therefore, this seminar was organized on “Redefining Strategies for Agricultural Development Including Education, Research and Extension in Uttar Pradesh” under the auspices of BRIAT,

Allahabad in its auditorium on 16th December, 2014. Prof. Rajendra Kumar, D.G., U.P. Council of Agricultural Research suggested in his Key Note address that there is an urgent need to make Agricultural Cabinet to initiate the existing system of agricultural education, research and extension in U.P. and to increase the agricultural budget as compared to other sections and staffs having the vast knowledge of well qualified members should be appointed and their staff members should not be transferred frequently and be allowed at least for 4/5 year work at one place for smooth functioning of the programme.





Chief Guest Prof. (Dr.) M.P. Dubey, V.C., Uttar Pradesh, Rajarshi Tandon Open University, Allahabad advised that agricultural programme should be need based, eco-friendly and in accordance with the need of the day. Clean environment is of paramount significance, as such this vital point may also be considered, while developing any developmental programme in agriculture. Dr. D.N. Shukla, Prof., A.U., advocated for organic farming and said that special care should be taken for not using excessive chemical fertilizers in locations located near river banks. Shri Rajiv Jaitly, AGM, NABARD, Allahabad also pointed out that integrated and interdisciplinary approaches should be followed in modern agriculture system to minimize economic losses. He

further explained about different schemes launched by NABARD for the benefit of farmers. Dr. S.S. Mishra, former Principal Scientist and Head, Plant protection Development, CPRI, Shimla told that the use of plant protection chemicals was done in the past and also are being used in the present scenario and will continue in the future as well, but there is a felt need to apply them judiciously, when and where their use is absolutely essential. As such judicious use of pesticides in ideal IPM programmes is essential. Dr. B.K. Dwivedi, Director, BRIAT, explained about the success story about integrated Fish, Poultry, Dairy, Lac, Pearl, Hi-tech Nursery, Cultivation of medicinal and aromatic plants and its value addition with proper marketing linkages for generating more employment and improving standard of living of farming community, unemployed youth and poor and weaker sections in Allahabad. Dr. K.D. Joshi, Principal Scientist, CIFRI, highlighted prospects and problems of aquaculture. Dr. Mohd. Arif, Ex. Scientist, DRDO, on hill agriculture, Dr. J.P. Srivastava, Prof. SHIATS advocated an urgent need for the redressal of psychological poverty among the villagers and poorer community which is essential for their active participation in extension programmes.

Dr. C.S. Chauby, Dr. Verma, Dr. Shiv Prasad Vishwakarma, Dr. H.C. Malviya, Mrs. Adarsh Tiwari, Dr. Amitabh Kar, Dr. A.K. Raza, actively participated during discussion in technical session for redefining the strategies for agricultural development in U.P. Dr. S.D. Mishra, Chairman, BRIAT, while welcoming the participants of the seminar emphasized for need for formulating the programme benefitting under the situation, when land is decreasing and population is increasing.

At the end Dr. B.K. Dwivedi, Director, BRIAT presented vote of thanks to all the participants present in the seminar.

Dr. M. P. Dubey, V.C., U.P. Rajarshi Tandon Open University, Allahabad at Bioved Krishi Prodyogiki, Gram, Moharab, Sringerpur, Allahabad.

Dr. M. P. Dubey, V.C., U.P. Rajarshi Tandon Open University, Allahabad visited Bioved Krishi Prodyogiki, Gram, Moharab, Sringerpur (A single window center for sustainable agriculture and rural development) Allahabad on 23/12/2014 & viewed different demonstrated activities in different fields of hi-tech farming i.e. Scientific method of lac cultivation and its value addition Fresh Water Pearl Culture technology and its value addition, Scientific method of Spirulina cultivation, Integrated Fish, Duck, Poultry, Dairy and Hi-tech farming, apiculture, Seri culture, Medicinal and Aromatic Plant cultivation, Bullock operated pump, Flour machine, Chaff cutting machine and electric generation system. Dr. Dubey discussed in detail about different demonstrated technologies at BRIAT. Dr. M. P. Dubey was very much impressed by viewing all the eco-friendly, economically viable and socially acceptable technologies at one place. Vice-Chancellor also discussed about the Prospects of establishing distance education and concept of community college for at BRIAT, Allahabad for practical knowledge in different fields of Agriculture.



Dr. M. P. Dubey, V.C., UPRTOU, Allahabad discussing with Dr. B.K. Dwivedi about different demonstrated technologies at Bioved Farm, Sringerpur, Allahabad

Administrative Officer Jay Shankar Dwivedi Inaugurated Annual Function of Blossom School, Allahpur, Allahabad (22 December, 2014)

Jay Shankar Dwivedi, Administrative Officer, BRIAT inaugurated and lighted lamp of annual function of Blossom School, Allahpur, Allahabad. He emphasized the quality of primary education in ones life and gave valuable advise to all the primary teachers to create a friendly and healthy atmosphere in elementary education systems. **Sangam, Mohit Singh and Chandra Shekhar** also took part in the inauguration ceremony. The childrens class Play Group, nursery, KG & Prep gave their best performance in the form of Dance and Music.



Dr. B.K. Dwivedi inaugurated 3 days Abhivayakti Samaroh (25-27 December, 2014) at Radha Devi Balika Inter College, Beranwa, Atrampur, Allahabad

Dr. B.K. Dwivedi, Director, BRIAT, Allahabad was invited as a Chief Guest for inauguration of 3 days Abhivayakti Samaroh of Radha Devi Balika Inter College Beranwa, Atrampur, Allahabad. Dr. Ruchi Mittal, Director, Ruchi's Institute of Creative Arts, Allahabad presided over the function and Shri R.K. Sharma, Superintending Engineer, Allahabad division was the Guest of Honour. Dr. B.K. Dwivedi highlighted about the climate change and global warming problems and its management through organizing Environmental awareness programme among the Students, Teachers, Guardians of different schools and colleges. He presented different examples for the management of global warming through the contribution of individual inhabitants of the Country.



Participation in UNDP-GEF- SGP-CEE programme

Dr. B.K. Dwivedi, Director, BRIAT and Mr. Indra Kant Pandey, Training Co-ordinator of BRIAT participated in 2 days workshop organized by UNDP-GEF-SGP-CEE at New Delhi office. Mr. P. Sodhi, National Co-ordinator highlighted about the different programs initiated by CEE under UNDP-GEF-SGP project Mr. Anil Arora, Advisor and different NGO partners of U.P., Uttarakhand, Panjab, Hariyana, Delhi & Maharashtra participated in this programme and interacted with National Co-ordinator and other officers related to this programme.



State Agricultural Education needs to be revamped

Dr. B.K. Dwivedi, Director, BRIAT, Allahabad, has emphasized the need for revamping state agricultural education. He stated that the current system is outdated and does not meet the needs of the modern agricultural sector. He called for a comprehensive reform of the curriculum and teaching methods to make agricultural education more relevant and attractive to students.

कृषि अनुसंधान को मिले बजट: डॉ. राजेन्द्र

डॉ. राजेन्द्र, जो कृषि अनुसंधान के क्षेत्र में एक प्रमुख व्यक्ति हैं, ने कहा कि कृषि अनुसंधान को बजट में प्राथमिकता देनी चाहिए। उन्होंने कहा कि कृषि अनुसंधान के बिना कृषि उत्पादन में सुधार नहीं हो सकता है।

कृषि शोध पर गोष्ठी का आयोजन

कृषि शोध पर गोष्ठी का आयोजन किया गया। इस गोष्ठी में कृषि शोध के महत्व और इसके विकास के लिए आवश्यक कदमों पर चर्चा हुई। डॉ. राजेन्द्र ने इस अवसर पर अपने विचारों को साझा किया।

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