NATIONAL WORKSHOP ON
PROTECTED CULTIVATION OF HORTICULTURAL CROPS

April 10, 2015
Time: 11:00 am
Venue: Dr. Ram Manohar Lohia Seminar Hall
Vikram Sarabhai Block, Sithouli Campus

Organized by:
School of Agriculture
ITM University Gwalior (M.P.) - 474 001 - India
Protected cultivation of high value and low volume crops has become irreplaceable both from economic and environmental points of view. The food demand is increasing day-by-day due to burgeoning population of the country. In order to make pace with food demand and over increasing population, there is an urgent need to enhance the productivity of crops. Sometimes, climatic variation and other natural adversities such as flood, drought, cyclone, hail and storm etc. cause poor crop production or total crop failures. So, there is an urgent need of appropriate technology in the field of agriculture to meet out the food demand of rapidly increasing population. Therefore, it is need of the hour to bridge the gap in between food demand and increasing population. Protected cultivation is one of the leading technologies to meet the requirement of food especially there in horticulture sector. Production of crops under protected conditions has great potential in augmenting production and quality of vegetables, flowers and some fruit crops in main and off season and maximizing water and nutrients use efficiency under varied agro-climatic conditions of the country. At present in our country, the area under protected cultivation is around 25,000 ha, while the area under protected cultivation of vegetables is about 2000 ha. Leading states in protected cultivation in India are Maharashtra, Gujarat, Karnataka, Haryana, J&K, Himachal Pradesh and Uttarakhand. The major challenges for the adoption of the protected cultivation are lack of awareness, cost effectiveness of the methods and lack of market linkages. Protected cultivation is a fledgling field in our country and therefore, there is a dire need for knowledge sharing and skill upliftment for better addition of the technology of protected cultivation.

OBJECTIVES OF THE WORKSHOP
I. Development of better understanding regarding recent advances in crop management under protected cultivation.
II. Obtaining sufficiency in fruits, vegetables and flowers under protected cultivation in On and Off season.
III. Better designing of infrastructure for protected cultivation in different agro-climatic conditions.
IV. Enhancement of total crop duration of horticultural crops than traditional ones.
V. Developing low cost indigenous protected cultivation technologies for enhancing productivity in horticultural crops.

THEMES
• Protected cultivation technology for horticultural crops.
• Recent advances in various technologies for protected cultivation of horticultural crops.
• Development of hybrid and improved varieties suitable for protected cultivation of horticultural crops.
• Developing ideal modules on irrigation, fertigation, IPM and INM.
• Conservation and management of genetic diversity for protected cultivation.

ABOUT THE SCHOOL OF AGRICULTURE
School of Agriculture started in the year 2013 with offering B.Sc. (Ag.) / B.Sc. (Ag.) Hons 04 years course and M.Sc. (Ag.) Agronomy and Horticulture. Presently, the School is running in School of Business Management (SOB), ITM University Gwalior. The School is equipped with laboratory and Instructional farm. Course curriculum and Syllabus are completely based on Fourth Deans’ Committee Recommendations of Indian Council of Agriculture Research (ICAR). The teaching and learning process of SoAg involve a very rigorous academic & skill oriented knowledge transferred by experienced faculties along with opening a window with latest agriculture know-how through various courses plan for different ecological situations and regional variations.

Registration Fee:
Academicians & Research scholars : Rs. 300/-
Students : Rs. 200/-
The National Workshop on “Protected cultivation of Horticultural Crops” features an outstanding technical programme including keynote speeches from Eminent Agricultural Scientists followed with discussions. The workshop is of one day duration with multidisciplinary approaches. Technical programme of workshop is arranged as under:

WORKSHOP CONSISTS OF INVITED TALK ON THE FOLLOWING TOPICS:

**Topic:** Bio Enhancer: A potent and affordable production of Selected Horticultural Crops in Protected Conditions  
**Speaker:** Dr. R. K. Pathak, Ex- Director, Central Institute for Sub Tropical Horticulture, Lucknow, UP

**Topic:** Protect cultivation of Horticultural crops in India: Challenges and Prospects  
**Speaker:** Dr. Balraj Singh, Director, National Research Center on Seed Spices, Ajmer, Rajasthan

OUTCOME OF THE WORKSHOP

To promote and inculcate the developed expertise amongst the participants for effective transfer of technology of protected cultivation of Horticultural crops.
To develop better understanding of recent advancement in horticultural crops under protected cultivation.

Organizing Committee:

**Coordinators**  
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**Chief Patrons:**  
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Chancellor, ITM University Gwalior

**Patrons:**  
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Smt. Ruchi Singh  
Vice President, ITM University Gwalior  
Shri Ravindra Singh Rathore  
Managing Director, ITM Universe Vadodara,  
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Managing Director, ITM University Gwalior

**Advisory Committee:**  
Prof. Vandana Kushwah  
Vice Chancellor, ITM University, Gwalior  
Prof. R.D. Gupta  
Advisor to Chancellor, ITM University, Gwalior  
Dr. Omveer Singh  
Registrar, ITM University Gwalior  
Prof. Girish Pandey  
Dean, School of Agriculture

**Members:**  
Dr. R.C. Pandey  
Dr. Himanshu Trivedi  
Mr. Naveen Saxena  
Dr. Shama Parveen  
Dr Pankaj Kumar Mishra  
Dr. Anjana Sisodia  
Mr. Himanshu Mishra
ABOUT ITM UNIVERSITY

ITM University Gwalior has been established in May 2011 by the Act of State Govt. & legislature under 2(f) of the UGC act and recognized by concerned statutory bodies of Govt. of India like AICTE, INC, COA & NCTE etc. It is a multidisciplinary university with an international reputation for the quality of its research and teaching across the academic spectrum with subjects spanning Sciences, Engineering, Management, Education, Pharmacy, Library Science, Commerce, Agriculture, Nursing etc. University is at the fore-front of learning, teaching and research in different fields. It seeks to sustain and enhance its excellence as an institution of higher learning through outstanding teaching. At academic front, we are also offering academic programmes in cooperation with University of Staffordshire, UK and University of Greenwich, London, UK. We are making endeavours to further extend this network with other well recognized Universities of the globe at the domain of dual degree, research, training, student exchange, faculty exchange and placement of students.