



## **Integral Institute of Agricultural Science & Technology (IIAST) Integral University, Lucknow**

### **Brief Report of Guest lecture on the topic "Water Management - Micro Irrigation Techniques for Higher WUE" Organized by Department of Agriculture, Integral Institute of Agricultural Sciences and Technology (IIAST), Integral University Lucknow**

The Department of Agriculture, Integral Institute of Agricultural Science & Technology (IIAST), Integral University, Lucknow organized a Guest Lecture on the topic "Water Management - Micro Irrigation Techniques for Higher WUE". The lecture was delivered by Dr. Chandra Gupta, Principal Scientist, Division of Crop Production, Indian Institute of Sugarcane Research (IISR), Lucknow, on 10th October 2024 at 11:00 A.M. in the Seminar Hall, 1st Floor, IIAST Building. Dr. Gupta, an expert in sustainable crop production, shared insights into efficient water management practices and advanced micro-irrigation techniques aimed at improving Water Use Efficiency (WUE).

Prof. Saba Siddiqui, Head, Department of Agriculture, IIAST, Integral University, welcomed Dr. Chandra Gupta, who initiated the lecture by highlighting the increasing need for efficient water management in agriculture amidst growing water scarcity. Dr. Gupta explained the role of micro-irrigation systems such as drip and sprinkler irrigation in conserving water while enhancing crop yield. His lecture emphasized how these techniques ensure optimal water distribution and reduce wastage, contributing to sustainable agriculture. In the subsequent segment, Dr. Gupta provided practical insights into the installation and management of micro-irrigation systems for various crops. He discussed the benefits of adopting these practices, such as reducing labor, minimizing soil erosion, and enhancing crop performance. He further elaborated on government schemes promoting micro-irrigation and demonstrated real-world examples where these techniques significantly improved WUE. The students and faculty members engaged actively in the Q&A session, where Dr. Gupta addressed queries related to the challenges of implementing micro-irrigation systems and the strategies to overcome them. His responses were both informative and inspiring, motivating participants to explore these sustainable techniques further.

The event was conducted under the guidance of Prof. Mohd Haris Siddiqui, Dean, Faculty of Agricultural Science and Technology, and Prof. Saba Siddiqui, Head, Department of Agriculture, IIAST. The session was coordinated and moderated by Dr. Zeeshan Ahmed Khan, with the event anchored by Dr. Pallavi Srivastava. This guest lecture provided valuable insights into modern water management practices, enriching the academic experience of both students and faculty members.



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Glimpses of the guest lecture

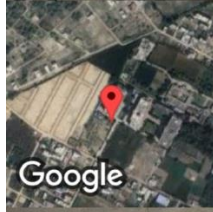




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