



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

**Report
on
Guest Lecture on Ensuring Plant Food and Nutritional Security with Micronutrients
Organized by
Department of Agriculture
September 20, 2022**

The Department of Agriculture, Integral Institute of Agricultural, Science and Technology (IIAST) has organized Guest lecture in order to share congruences with the latest trends in the field of agriculture and to create awareness amongst students, scholars, researchers and academicians about the agrarian counter-trend. The lecture was held on 20/09/2022 at 10:30 A.M. in the Seminar Hall of Department of Agriculture. Dr. Krishna Mohan Singh, Head, KVK, Bahraich, delivered an insightful guest lecture on Ensuring Plant Food and Nutritional Security with Micronutrients. Dr. Saba Siddiqui, Head, Department of Agriculture welcomed the participants and encouraged them to participate in their new program, which would provide them the chance to learn about the conventional practices and how modern approaches may bring changes.

Dr. Singh began his lecture by emphasizing the growing global demand for food production to meet the needs of an increasing population. He highlighted the importance of maintaining plant health and productivity to achieve food security while preserving the nutritional quality of crops. He provided a comprehensive overview of the essential functions of various micronutrients in plant growth and development. He discussed the roles of micronutrients such as iron, zinc, boron, manganese, copper, and molybdenum in processes like photosynthesis, enzyme activation, chlorophyll formation, and reproductive development. He emphasized that even minor deficiencies of these micronutrients can lead to stunted growth, reduced yields, and compromised crop quality.

Dr. Singh emphasized the importance of integrated nutrient management strategies that combine multiple approaches to address micronutrient deficiencies while promoting sustainable agricultural practices and environmental conservation.

The lecture was well-attended by students, faculty members, researchers. The Q&A session allowed for engaging discussions on region-specific soil and crop challenges, cost-effective solutions, and the potential role of emerging technologies in precision micronutrient management.



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Overall, the guest lecture by Dr. Singh provided valuable insights into the crucial role of micronutrients in ensuring plant food and nutritional security, and highlighted the urgency of adopting comprehensive nutrient management strategies to achieve sustainable and productive agriculture.

Dr. Saba Siddiqui, Head, Department of Agriculture, IIAST, Integral University, addressed the audience and encouraged students for utilizing the platform for gaining knowledge. She explained the importance of research discussions in such forums. The guest lecture was concluded with the vote of thanks by Dr. Faria Fatima. The members of the RAWA committee Dr. Malik Mobeen, Mr. Nadeem Khan, Dr. Faria Fatima Dr. Khalid Habib, Dr. Sunil Kumar, Dr. Ayush Bhushan enthusiastically organized the guest lecture under the guidance of Prof. Mohd. Haris Siddiqui, Dean, Faculty of Agricultural Science and Technology and Dr. Saba Siddiqui, Head, Department of Agriculture.

Glimpse





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