



FUTURE OF FARMING - HYDROPONICS

3 Day Workshop

14 March 2024 - 16 March 2024

Timings : 9 am - 5pm



College of Basic Sciences and Humanities

IN COLLABORATION WITH:

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ORGANISED BY:

Department of Molecular Biol. and Genetic Engg.
College of Basic Sciences and Humanities
G B Pant University of Agriculture and Technology
Pantnagar, Uttarakhand 263145, India

ABOUT THE WORKSHOP :

"Embrace the future of agriculture with hydroponics, where innovation meets sustainability."

Hydroponics, the soil-less method of growing plants, has gained popularity in recent years due to its efficiency and sustainability. By using nutrient-rich water solutions, hydroponic systems provide plants with all the essential elements they need for growth.

Hydroponics and biotechnology have a symbiotic relationship, with biotechnology providing genetic tools to optimize plant traits for hydroponic growth, while hydroponics offers a controlled environment for testing and applying biotechnological advancements in plant science.

Course Director :

Dr. Sandeep Arora
Dean, CBSH

Coordinator :

Dr. A.K.Gaur
Head of Department, MBGE

Organizing Secretary :

Dr. Gohar Taj
Professor, MBGE

CONTACT DETAILS :

Dr. Gohar Taj
Professor
Department of Molecular Biology and Genetic Engineering
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OBJECTIVE :

The primary objective of hydroponics is to cultivate plants without soil, using nutrient-rich water solutions. This method aims to provide optimal conditions for plant growth, enhancing efficiency, water usage, and nutrient absorption compared to traditional soil-based agriculture.

PROGRAMME CONTENTS :

- Introduction to Hydroponics
- Basic Hydroponic Systems
- Plant Nutrition and pH Management
- Hands-On Practical Sessions
- Troubleshooting and Problem-Solving
- Sustainability and Resource Management

VENUE :

Department of Molecular Biology and Genetic Engineering
College of Basic Sciences and Humanities

ELIGIBILITY :

The training is intended for students from different fields within the university.

The workshop is open to students of all academic levels, including undergraduate and postgraduate.

Prior knowledge of Plant Tissue Culture is recommended.

REGISTRATION :

- The participants can apply for the workshop by submitting their application through the given Google form link or QR.
- The last date of submission of the form is 12th March, 2024.
- Registration fee Rs.300, to be submitted in offline mode (MBGE, CBSH)
- Certificate of completion will be given to all participants.

REGISTRATION LINK : [Click here to register](#) OR Scan

