

BIOTECH PARK, Lucknow



Biotech Park, Lucknow, India is going to Conduct a one-day webinar on “**Advancements in Medicinal Plant Biotechnology Research**” for beginners to advanced learners on 21st September 2024.

Webinar Details:

Title: Advancements in medicinal Plant Biotechnology Research

Date: September 21st, 2024

Time: 11:00 AM to 12:30 AM (IST)

Platform:



Join us to get an insight into the state of art in Plant Biotechnology!

In this professionally curated session, explore the intricate mechanisms of plants and unveil the nature’s potential in order to reshape the landscape of Plant Biotechnology.

Our expert speakers will cover various aspects of most talked about topics which include Hairy Root Culture Technology and DNA barcoding in Plants:

Speaker 1: Dr. Vikas Srivastava

1. Hairy Root Cultures in Medicinal Plants
2. Plant Secondary Metabolites and their therapeutic importance
3. Biotechnological Methods other than Hairy Root Cultures for plant secondary metabolite production
4. Case studies showcasing the hairy root culture-based metabolite production
5. The road ahead: Emerging trends and opportunities in Hairy Root Research
6. Q&A session with our panel of experts

Speaker 2: Dr. Shakti Mehrotra

1. Introduction to DNA barcoding for identification of plant species
2. Criteria for DNA barcoding
3. Gene segments and DNA markers for barcoding in plants
4. Workflow of DNA barcoding in plants
5. Identification of plant species through barcode
6. Advantages of DNA barcoding

Key features

- ❖ Designed for beginner to advance level learner
- ❖ Complete one-to-one session
- ❖ Certificates for all Participants

Details of the topic

The integration of biotechnology into medicinal plant research has transformed the pharmaceutical industry offering unparalleled prospects for the development of novel therapeutics, nutraceuticals and healthcare solutions.

The topic of recent advances in medicinal plant biotechnology is suitable for exploration because of the fast-paced developments in this field that have revolutionized the concept of cost-effective strategies for the production of plant derived therapeutic compounds through plant cell biotechnology. Many of the more traditional approaches to procure herbal compounds from natural sources are woefully producing threats to the resources. At this juncture, medicinal plant biotechnology has emerged as an exciting area of research by creating unparalleled opportunities for the manipulation of plant systems and thus, offering a sustainable solution for productivity and conservation of natural resources as well.

Accurate authentication of herbal medicine is related to patient safety and herbal efficacy. Researchers have attempted to solve this problem by original, morphological, microscopic, physical and biochemical identification. However, species identification has been an unsolved problem for thousands of years. The emergence of DNA barcoding has allowed herb identification to enter the era of molecular identification, thereby overcoming the limitations of traditional identification methods, and allowed accurate identification of materials with similar morphologies and chemical structures

This program will be useful for students, research fellows and faculties from plant Science, Biotechnology and other relevant background.

Eligibility

Students, Research Scholars and Faculties from all biological sciences (Biotechnology, Life Sciences, Molecular Biology, Agriculture, Horticulture, Pharmaceutical Science, Microbiology and other allied areas).

How to Participate?

To join the workshop, please click on the Google meeting link below at the scheduled date and time

September 21st, 2024

Participation Fee

Rs.500/- for students, pursuing UG/PG/ Research Scholar

Rs.1000/- for Faculty, and other professionals

Step 1: Payment details for Indian Participants

BIOTECH PARK LUCKNOW,

CURRENT ACCOUNT

ACCOUNT NO 179202000000068

IFSC CODE IOBA0001792

MICR CODE 226020019

CUSTOMER ID 7396533; KURSI ROAD, LUCKNOW (1792)

Step-2 Must Register After the Payment Using Below Link

<https://forms.gle/kmekr8DNcSe5MC7t8>

About Us

Biotech Park, Lucknow houses research laboratories and startups focused on various domains of biotechnology. This nurtures a culture of innovation, reassures collaboration between academia and industry, and supports the development of innovative technologies and products. Biotech Park is contributing to advancements in healthcare by promoting research into disease diagnostics and offering new therapeutic solutions. This ultimately is leading to the development of new medicines, diagnostics, and feasible treatments.

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