



Hands- on Workshop on “BASIC TECHNIQUES IN PLANT TISSUE CULTURE”

Workshop Date: Date 26 &27 May 2022

Venue: BIOTECH PARK, Lucknow.

About the Workshop:

Plant tissue culture is a practice used to propagate plants under sterile conditions, often to produce clones of a plant. Different techniques in plant tissue culture may offer advantages over traditional methods of propagation.

Tissue culture involves the use of small pieces of plant tissue (explants) which are cultured in a nutrient medium under sterile conditions. Using the appropriate growing conditions for each explant type, plants can be induced to rapidly produce new shoots, and, with the addition of suitable hormones new roots.

How to Register?

Send the duly filled registration form (attached) by Email:- nextgen.kashif@gmail.com. (Mo : 9918877444)

Selected participants will be intimated through mail , only selected participants will pay the workshop registration fee by online mode (g- pay, paytm, upi) (Bank details given) and payment details may be sent along with registration form on or before 25th May 2022

Maximum Number of Seats: 40 Participants

- 1)Participants should bring their note book and pen
- 2)Lunch and refreshment will be provided
- 3)Participants should wear lab coat and ID CARD

Resource Persons:

- Dr. A.K. Mathur, Emeritus Scientist CSIR – CIMAP (Government of India)
- Mr. Avadhesh Kumar Mishra (Plant tissue culturist), Lucknow
- Dr. Kashif Khan, Consultant Scientist, Biotech Park. (Coordinator)
- Er. Vijay Kumar Verma, Scientist, Biotech Park.
- Dr. Umashankar, Consultant Scientist, Biotech Park,

Important Dates:

Registration (Starts): 29th April, 2022. Last date of Registration: 25th May, 2022

Registration Fee: Rs. 2000/-

Fee Payment Details:

Indian Overseas Bank, CEO Biotech Park Lucknow

Account No. 179202000000068

IFSC Code: IOBA0001792

Kursi Road Branch1792, Jankipuram, Lucknow

Contact: **Dr. Kashif Khan**, ph: 0522-4012091/2365050, 09918877444

Email: nextgen.kashif@gmail.com / ushankar@rediffmail.com

Contact Dr. Umashankar Phone No: - 07379315555

26th May 2022
Workshop - Day 1

Lectures	
Inauguration CEO Biotech Park	10:00 a.m. – 10:30 a.m.
Dr. A.K. Mathur, Emeritus Scientist CSIR – CIMAP (Government of India) Introduction, Basics and Principles & Applications – <i>“Plant tissue culture and its application”</i>	10:30 a.m. – 11:15 a.m.
Lab design, establishment and maintenance of sterilized condition. Dr. Kashif khan Consultant scientist, Biotech park, Lucknow	11:20 a.m. – 11:45 a.m.
Tea Break	11:50 a.m. – 12:15 p.m.
Media preparation, Explant Selection, and Media sterilization Mr. Avadhesh Kumar Mishra, (Plant tissue culturist), Lucknow	12:15 p.m.– 1:00 p.m.
Lunch	1:30p.m -2:30 p.m.
Inoculation of culture Mr. Avadhesh Kumar Mishra, Lucknow (Plant tissue culturist), Lucknow	2:30p.m -4:00 p.m.
Question Session	4:15 p.m. -5:00 p.m.

27th May 2022
Workshop - Day 2

Lecture	Timing
Pathways of Plant tissue culture, somaclonal variation and analysis, useful & harmful impacts of somaclonal variation Mr. Avadhesh Kumar Mishra, (Plant tissue culturist), Lucknow,	10:00 a.m. – 10:30 a.m.
Acclimatization of plants and green house technology Primary and secondary hardening Mr. Avadhesh Kumar Mishra, (Plant tissue culturist), Lucknow,	10:40 a.m. – 1:00 p.m.
Lunch	1:00-2:00 p.m.
Calculation basics – methods, data interpretations – Mr. Avadhesh Kumar Mishra, (Plant tissue culturist), Lucknow,	2:10 p.m.-2:30 p.m.
Question Session	2:30 p.m. – 3:00 p.m.
Vote of thanks Dr. Kashif Khan Consultant Scientist - Biotech Park	3:40 p.m.-4:00 p.m.

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“BASIC TECHNIQUES IN PLANT TISSUE CULTURE”

Date: 26th & 27th May, 2022

Registration Form

Name of the student:	
UG & PG (B.Tech, B.Sc, M.Tech, M.Sc)	
Institute/Department:	
Mobile No:	
Email:	
Date:	
Place:	

Signature of the applicant