



# NEHRU GRAM BHARATI

(Deemed to be University)  
[Estd. U/s-3 of UGC Act 1956]



Kotwa-Jamunipur, Dubawal, Prayagraj, Uttar Pradesh, India

*Marching ahead with confidence*

## **Brief Report**

## **Training Workshop**

**On**

## **“Plant Tissue Culture Techniques”**

**(28-30 October, 2024)**

**Honouring Sri J.N. Mishra, Founder Chancellor**

**The distinguished and charismatic figure in the domain of social reformer on the occasion of his 87<sup>th</sup> Birth month anniversary**



**Organized By**

**Department of Botany, the Central Instrumentation Facility, Waste Management Committee, Green Audit Committee and Institutional Innovation Councils Cells Nehru Gram Bharati (Deemed to be University), Prayagraj**

## About The University

*Nehru Gram Bharati (Deemed to be University) occupies an esteemed place among the ruler universities of India for over decades now. Established on 27th June 2008, it is one of the promising institutes in the state of Uttar Pradesh situated at the bank of river Ganges. It was basically conceived by our 1<sup>st</sup> Prime Minister of India, Late Pt. Jawahar Lal Nehru, who laid the foundation stone of Nehru Gram Bharti on 26<sup>th</sup> July 1962 in the village of "Rishi Durvasha Ashram" Kotwa, Jamunipur, Dubawal Complex of his popular consultancy in Prayagraj district. His dream translated into reality by Shri. J.N. Mishra, who had a clear vision and dedication to the cause of upliftment of ruler message through education.*

*As on date, the campus has emerged as a prominent establishment of professional, technical education and traditional education for meeting the aspirations of youth from rural as well as urban areas. To begin with "Rajiv Gandhi Degree College" was established in the year 1996 and upgraded to "Rajiv Gandhi Post Graduate College" from the academic session 2000-01 which subsequently merged into the 'Nehru Gram Bharti (Deemed to be University)' in 2008-09 after University Grants Commission recommended to the Ministry of Human Resources and Development for granting it Deemed to be university status. The MHRD notified vide its gazette Notification no: F.9-42/2005-43(A) dated as 27<sup>th</sup> June 2008 bestowing the Deemed to be university status to Nehru Gram Bharati.*

*University is composed of 6 campuses encircling approximately 76 acres of land spread over within a radius of about 5 km.*

## About The Training

**Plant tissue culture is a practice used to propagate plants under sterile conditions, often to produce clones of a plant. The biotechnological methods such as plant cell culture, somatic embryogenesis, cryopreservation are quite applicable and useful for the conservation and sustainable utilization of forest resources. The theme of the workshop is the applications of plant tissue culture in clonal propagation of forest tree species and conservation of rare and endangered plants.**

**The workshop includes specialized techniques for direct and indirect organogenesis, somatic embryogenesis, micropropagation for large scale multiplication of plants, and cryopreservation of plant cell cultures.**

**Objectives: The workshop is intended to share basic tissue culture techniques which include: 1. Principles and application of tissue culture; 2. Preparation of tissue culture media, sterilization; 3. Hands on training for various tissue culture techniques; and 4. Cryopreservation of cultured plant cells**



Patron  
Sri Manish Mishra  
Chancellor  
Nehru Gram Bharti,  
(Deemed to be  
University), Prayagraj,  
U.P.



Patron  
Prof. Rohit Ramesh  
Vice Chancellor,  
Nehru Gram Bharti,  
(Deemed to be  
University), Prayagraj,  
U.P.



Patron  
Dr. S.C. Tiwari  
Pro Vice-chancellor  
Nehru Gram Bharti,  
(Deemed to be  
University), Prayagraj,  
U.P.

Seat Available-30, Registration Last Date- October 25, 2024, Registration Fees-400

N.B: Mode of Payment: online/NEFT/RTGS/DD Account Details: Nehru Gram Bharati University

Account Number: 66630200000126

IFSC Code: BARBOVJHGNJ

(Fifth character is zero)

Bank Name :Bank of Baroda, Hanumanganj

Registration Form

NAME MR./MS./DR./PROF.	
DATE OF BIRTH	
DESIGNATION	
ORGANISATION (Full address)	
E-MAIL ID	
MOBILE NO.	ADDL. NO.
REGISTRATION FEE DETAILS: DD NO./DATE /NEFT/RTGS/ OR ANY OTHER ONLINE WITH REFERENCE NUMBER	
REMARKS (Office Use Only)	

### REGISTRATION

Please fill up the registration form and send it to [adinathupadhyay@gmail.com](mailto:adinathupadhyay@gmail.com)

All participants try to pay the registration fee in advance and confirm through mail.

Dr Shakti Nath Tripathi  
Organizing Secretary  
Head, Department of Botany  
NGD(DU)

Dr. Adi Nath  
Convener  
Department of Botany  
In charge- Central Instrumentation Facility  
NGB(DU)

*Advisory Committee:*

1. Prof. R.C. Tripathi, Prof. Incharge R&D, NGB
2. Sri R.L. Vishwakarma, Registrar, NGB
3. Dr. Asheesh Shivam, Director, Research Centre
4. Dr. Himanshu Tandon, IQAC, NGB
5. Dr. Rajesh Tiwari, Deputy Registrar, NGBDU

*Organizing Committee*

1. Dr. Asheesh Shivam Mishra, Director, Research, NGB
2. Dr. Amitabh Chandra Dwivedi, Deptt. of Zoology, NGB
3. Dr. Archana Shukla, Deptt. of Mathematics, NGB
4. Dr. Vikram Singh, Deptt. of Physics, NGB
5. Dr. Anita Singh, Deptt. of Chemistry, NGB
6. Mr. Pradeep Upadhyay, Deptt. Of Botany
7. Dr. Dheeraj Pandey, Deptt. Of Botany

## Programme Schedule

❖ Technical Details:

❖ 28<sup>TH</sup> October, 2024, I Day

Venue	Nehru Gram Bharati Deemed to be University Research Centre Shashi Campus, Prayagraj
10:00Am- 11:00am	Reception and Registration
Key note Address 11:00-12:00	( <b>Chief Guest</b> ) Prof. N.B. Singh, Department of Botany, University of Allahabad, Prayagraj ( <b>Guest of Honor</b> ) Dr. Bijay Laxmi Ghosh Department of Biotechnology, R.D. Rungta College, Raipur, Bilai, Chhatisgarh ( <b>Special Guest</b> ): Dr. Vikas Kumar Patel, Senior Scientist, Tata Nagar, Bilai, Chhatisgarh

❖ DEMONSTRATION SESSION

Venue	Nehru Gram Bharati Deemed to be University Research Centre Shashi Campus, Prayagraj
Theme	Botanical Interest
Wet-Lab-I	Media Manipulation, Media Preparation

012:30pm-05:30pm	Dr. Adi Nath-Training Address and perform
05:30pm	Tea

❖ **29<sup>TH</sup> October 2024 II<sup>nd</sup> Day**

Venue	Nehru Gram Bharati Deemed to be University, Central Instrumentation Facility, Jhuthi Taali, Prayagraj
Theme	Forestry
10:30am-11:30 am	I.L.-Dr. Archana Shukla, Department of Mathematics, NGBDU Dr. Adi Nath, Department of Botany, NGBDU
11: 30-12:40	Dr. Adi Nath Nehru Gram Bharati Deemed to be University, Department of Botany, Research Laboratory, Prayagraj
01:26pm – 04:45pm	Somatic Embryogenesis, Organogenesis

❖ **30<sup>TH</sup> October, 2024, III Day**

Venue	Nehru Gram Bharati Deemed to be University Research Centre ShashiCampus, Prayagraj
Theme:	Herbal
10:00Am-11:30 am	I.L. Dr. Dheeraj Pandey, Dept. of Botany, NGBDU Mr. Pradeep Upadhyay, Dept. of Botany, NGBDU
11:30am – 2:00am	Cryopreservation of plant cell cultures
02:00pm –03:00pm	Valedictory Session: <b>(Chief Guest)</b> Dr. Shalini Purwar, Plant Tissue Culture Division, Banda Agriculture University <b>(Guest of Honor):</b> Dr. Sanjay Singh, Head & Scientist G, ICF-RE, Prayagraj <b>(Special Guests):</b> Dr. Alok Yadav, Scientist E, ICF-RE, Prayagraj

**Total Participants: 22**

**Media Coverage:**

# प्रेमी डी सीड बैंक / फील्ड सीड बैंक / जीन बैंक द्वारा पादप प्रजाति को बचाए रखना मानव रक्षा के लिए जरूरी

यतुल्ला ता है, ग्राम के ई और गे गया। दो दिन बाद गंज वीत में बताया : उससे में रख रीर पर डूंच गई चंचायत ग और गए । निकाह मुताज नवंबर निकाह



## बीके यादव/बालजी दैनिक

प्रयागराज-नेहरू ग्राम भारती मानित विश्वविद्यालय के वनस्पति विज्ञान विभाग व सेंट्रल इंस्ट्रूमेंटेशन फैसिलिटी के संयुक्त तत्वावधान में आयोजित सात दिवसीय कार्यशाला पादप उत्तक संवर्धन तकनीक के उद्घाटन सत्र के प्रमुख वक्ता वनस्पति

विज्ञान विभाग, इलाहाबाद विश्वविद्यालय के प्रो. एन. बी. सिंह ने बताया कि पादप उत्तक संवर्धन की तकनीकी द्वारा प्रतिसुक्ष्मजीवी ड्रग रेजिस्टेंस को जीन बैंक/सीड बैंक, फील्ड सीड बैंक, जड़/तना, अंग एवं प्रोटोप्लाज्म, कोशा कल्चर के संरक्षण जरूरी है। विश्वविद्यालय के कुलपति

प्रो. रोहित रमेश ने बताया कि प्राकृतिक संसाधनों के समृद्ध करने हेतु मानवता हेतु शोध में नवीनतम तकनीक प्रशिक्षण व संज्ञान में लाना जरूरी है। कुलसचिव आर.एल. विश्वकर्मा ने बताया कि जल, जमीन, वायु को वास्तविक रूप में लाना जरूरी है है। कार्यक्रम का संचालन आयोजक सचिव डॉ. शक्ति नाथ त्रिपाठी ने किया। कार्यशाला के विषय वस्तु प्रस्तुति डा. आदि नाथ ने किया, कार्यक्रम के विषय में डॉ. धीरज पाण्डेय ने बताया। अतिथि स्वागत श्री प्रदीप उपाध्याय ने किया। तकनीकी सत्र का संचालन डॉ. आदि नाथ में मीडिया मैनिपुलेशन, प्रिपेरेशन, एक्सप्लॉट का अभ्यास कराया। इस अवसर पर 12 प्रतिभागी कुलभाषकर आश्रम डिग्री कॉलेज से 7 इलाहाबाद राज्य विश्वविद्यालय से एवम नेहरू ग्राम भारती मानित विश्वविद्यालय के 11 शोध छात्र सहित विश्वविद्यालय के विज्ञान संकाय के शिक्षक एवं छात्र बड़ी संख्या में मौजूद रहे।

अर उप कि भी से के अ से औ ने प्र ध भी दीर इस बर बा है। पा

आयोजन महत्वपूर्ण है।

## पादप उत्तक संवर्धन पर प्रशिक्षण 28 से

प्रयागराज : नेहरू ग्राम भारती मानित विश्वविद्यालय के वनस्पति विज्ञान विभाग एवं केंद्रीय उपकरण सुविधा केंद्र के संयुक्त तत्वावधान में 28 से 30 अक्टूबर तक पादप उत्तक संवर्धन तकनीकी पर हस्त प्रशिक्षण आयोजित किया गया है। संयोजक डा. आदि नाथ ने बताया कि वैश्विक स्तर पर जीन क्षरण की समस्या को रोकने तथा दुर्लभ, संकटग्रस्त प्रजातियों के संवर्धन के साथ उत्पादकता को बढ़ाने के उद्देश्य से इस प्रशिक्षण कार्यक्रम में कैलस संवर्धन, बीज बैंक सुविधा, जीन बैंक तैयारी, पादप अंग, अंगत्रंत की विधा का अभ्यास कराया जाएगा।

प्रभु हर है। म, च त न



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