

Self Financed  
Short Term Course on  
“PLANT TISSUE CULTURE  
TECHNIQUES AND  
APPLICATIONS”

January 23-27, 2015



Department of Biotechnology  
Motilal Nehru National Institute of  
Technology Allahabad  
ALLAHABAD, 211004, India

#### About the Institute

Motilal Nehru National Institute of Technology Allahabad, is an institute with total commitment to quality and excellence in academic pursuits. The institute has been granted the status of Institution of National Importance. It was established as Motilal Nehru Regional Engineering College (MNREC) in the year 1961 as a joint enterprise of Government of India and Government of Uttar Pradesh. MNREC was transformed into National Institute of Technology fully funded by Ministry of Human Resource Development, Gov. of India.

The institute offers B.Tech, M.Tech, Ph.D, M.C.A, M.B.A., (Mathematics and Scientific Computing) degrees in various disciplines of sciences, engineering, technology and humanities.

#### About the department

The Department of Biotechnology at MNNIT Allahabad was established as a new academic unit under Applied Mechanics in 2006, with the objective of integrating life sciences with engineering and to develop cutting-edge technology through research, training and technological innovation. Keeping a beat to the global demands for researchers in this field, a full-fledged post graduate degree course (M. Tech in Biotechnology) was introduced in the year 2010. The department runs PhD program in biotechnology since 2009.

The department gained shape as an independent administrative 'Department of Biotechnology' on April, 2012. The department comprises of thirteen expert faculty members from diverse areas.

The faculties have also been able to generate the external funding from various government agencies viz. DST, DBT, UGC, MNRE etc. and published papers in National/International journals of repute. In addition, a national and international conferences supported by various funding agencies was also organized successfully in February, 2010 and November 2013. The department has independent state-of-art modular laboratories to perform experiments in microbiology, biochemistry, molecular biology, plant biotechnology and bioprocess technology.

#### The city of Allahabad

Allahabad is the sacred city of India where three holy rivers namely Ganga, Yamuna and invisible mythological Saraswati meet. The famous Kumbh is organised here after every twelve years where hundreds of million people gather for holy bath. The Allahabad has been famous place of learning since long due to its world famous academic institutions.

#### About the course:

**Objective:** The course is to provide upgradation of knowledge and skills for research scholars / faculties / scientists/other stake holder involved in active research, production and consumers. The course will provide in depth exposure to them. The lectures will be delivered by distinguished experts of their field. The five days short term course will include lectures, laboratory (green house) and field studies on the areas of plant Biotechnology. In addition, it will also feature invited lectures from eminent scientists and academicians.

#### Short term course topics:

- Collection of germplasm and conservation
- Selection preparation of cost effective tissue culture media
- Micro propagation
- Callus culture of explant
- Single cell suspension culture and over production of a proteins
- Agrobacterium mediated transformation.
- Extraction of molecules from medicinal plant
- Extraction and characterization of food inhibitors
- Biosafety and bioethics of GM plants

**Duration:** Five days workshop from January 23- 27, 2015.

**Number of seats:** 20

**Accommodation:** the participants may be provided accommodation in the institute guest house and/or hostel depending on the availability, on payment basis. Accommodation can also be booked in nearby hotels directly or through organizers.

**For further enquiries contact:**  
nksingh@mnnit.ac.in,  
singhnand@gmail.com

**Food:** Lunch and tea will be provided to the participants during the course of workshop (charges are included in the registration fee).

**Eligibility:** Undergraduate, post graduate, research scholars and faculty/scientist in biotechnology, agriculture, pharmaceuticals science bioinformatics, botany life sciences, medical sciences, environment sciences, or related disciplines

**Mode of payment:** Participants can make payment via DD in favour of **SFC-PTCTA** payable at Allahabad OR Deposit the registration fee online in Account No. .... of Vijaya Bank MNNIT Allahabad (Branch Code: 007184; MICR Code: 211029004; IFSC Code: VIJB0007184)

## REGISTRATION FORM

### Personal Details:

Title(Mr./Ms./Mrs./Dr.): .....

Gender(Male/Female): .....

Name: .....

Date of Birth: ..... Age: .....

### Academic Details:

Designation: .....

Qualification: .....

College/Institute/University: .....

Department: .....

City..... State: .....

### Contact Details:

Address: .....

.....

..... Pin: .....

Ph./Mob.: .....

Email: .....

Accommodation Required: Yes/No

### Payment details:

Demand Draft No: ..... Dated: .....

Drawn on.....

Total Amount in INR.....

**OR**

Online registration fee details.....

.....

..

(Attach the DD or online payment receipt with form)

### Declaration:

I am interested in attending this training course. All the information provided are correct.

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Signature of Applicant

### Note:

- Incomplete or registration form without demand draft shall be rejected
- A separate registration form should be used for every delegate

- Registration fee is non-refundable

## ORGANIZING COMMITTEE

**Patron:** Prof. P.Chakrabarti

**Chairman:** Dr. Anjana Pandey

Convener & Coordinator: Dr. N.K.Singh

Treasurer: Dr. Ashutosh Mani

### Registration Fee

UG student :	Rs.800
PG Students/Research Scholar	Rs.1000
Faculty/Scientist	Rs ,1500

### Registration fees includes

- Experiment materials
- Lunch and tea
- Program kit

**How to reach MNNIT Allahabad:** the city of Allahabad is well connected with all parts of India by daily train, buses and flights.

### Contact:

Dr. N.K. Singh

Convener & Coordinator , SFC-PTCTA

Department of Biotechnology

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