

## APPLICATION FORM

Name: \_\_\_\_\_

Father/Spouse: \_\_\_\_\_

Date of Birth: \_\_\_\_\_ Gender: \_\_\_\_\_

NIC: \_\_\_\_\_

*Picture*

Affiliated Institute: \_\_\_\_\_

Designation: \_\_\_\_\_

Address: \_\_\_\_\_

Ph: \_\_\_\_\_ Fax: \_\_\_\_\_ e-mail: \_\_\_\_\_

Academic Qualification:

Degree	Institution	Ranking	Year
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B.Sc (Hons):

M.Sc/MBBS

Additional Qualification (If any):

Research/training experience: \_\_\_\_\_

Accommodation required: Yes / No

\_\_\_\_\_  
(Applicant's Signature)      Sig / Seal \_\_\_\_\_  
(Applicant's Head of Department)

- Last date for submission of forms is April 03, 2020
- Registration fee and the other charges may be deposited as cash or Bank Draft in the name of Account Officer NIBGE,FSD.  
18<sup>th</sup> National Training Course on Modern Techniques in Bio-technology, National Institute for Biotechnology & Genetic Engineering, NIBGE, P. O. Box 577, Jhang Road, Faisalabad- PAKISTAN or E. mail: mufathia@yahoo.com
- Application forms can also be downloaded from <http://www.nibge.org>



## 18<sup>th</sup> National Training Course on Modern Techniques in Biotechnology April 13-17, 2020

**National Institute for Biotechnology and Genetic Engineering (NIBGE)**, has widely been recognized as “Center of Excellence in Biotechnology” at international level. Scientists of NIBGE perform leading-edge research in the discipline of Biotechnology and train human resource for productive and rewarding scientific careers. Keeping emerging and cutting edge technologies in focus, NIBGE harbors state of the art equipment for research and outsource analytical services on commercial level. NIBGE by all means promoting collaboration in research with local and international organizations. It is an affiliated center of the **International Center of Genetic Engineering and Biotechnology (ICGEB)**, Italy and it's library has been designated as **National Library of Biological Sciences**. Training of manpower at postgraduate and doctorate level is one mandate of NIBGE and it is declared as constituent college of Pakistan Institute of Engineering and Applied Sciences (PIEAS) for the award of M. Phil and Ph. D degrees in Biotechnology to develop best innovation intellectuals.



**National Institute for Biotechnology and Genetic Engineering (NIBGE), P.O. Box 577, Jhang Road, Faisalabad- PAKISTAN**  
Tel: 92 41 9201316-22 Web: [www.nibge.org](http://www.nibge.org)

## Course Overview

Biotechnology is the field integrating many areas like microbiology, molecular biology, biochemistry, cell biology and immunology. Biotechnology has applications in medicine, agriculture, aquaculture, chemical manufacturing, textile processing and food processing industry. Basic biotechnological information can be learnt without any expensive resources, but the modern techniques have to be learnt by hands-on experience at the bench. Moreover, in response to the expanding frontiers in bio-technology, training and reorientation of the teaching faculty is essentially required to meet the rapidly changing professional and scientific needs of the stakeholders. This training course focuses on basic concepts, theoretical knowledge and hands-on training of skills and in-depth understanding of methods in modern biotechnology by experts in their field.

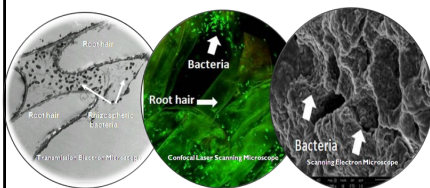
The National Institute for Biotechnology & Genetic Engineering (NIBGE) Faisalabad, being a Federal research body in the country has a mandate to apply modern and innovative research techniques in agriculture, health, industry and environment and routinely offers up-to-date training programs to support the study of most vibrant disciplines of science and technology in the country. Now NIBGE is pleased to announce the 18<sup>th</sup> training course in the series of short-term training program on "Modern Techniques in Biotechnology".

## Topic coverage

- ▶ Modern Techniques in Biotechnology
- ▶ DNA based Information Technologies
- ▶ Transformation Technology
- ▶ Gene expression and function
- ▶ Proteomics
- ▶ Enzymology/Microbiology
- ▶ Bioinformatics/Data interpretation
- ▶ Imaging Techniques
- ▶ Human genome
- ▶ Chromatographic Techniques (LC-MS/MS,GC-MS)
- ▶ CRISPR technology
- ▶ Nanotechnology

## Course Faculty:

Shahid Mansoor, Rubina Tabassum, M. A. Ghauri, Shahid M. Baig, Kalsoom Akhtar, Shaheen Asad, Zahid Mukhtar, Hamid Rashid, M Arif, N. A. Saeed, Samina Iqbal, Mazhar Iqbal, Fathia Mubeen, Waheed S. Khan, Imran Amin, Moaz-ur-Rehman, M. Afzal, Sumera Yasmin, Fazali Rabbi, M. Asif, Abdul Tawab, M. Arshad, Asma Imran, Ayesha Ihsan, Sadia Bajwa, Asma Rehman, Ejaz ul Islam, Hazrat Ali, M. Imtiaz and M.J. Iqbal.



Detection of Rhizospheric Bacteria

## 18<sup>th</sup> National Training Course on Modern Techniques in Biotechnology April 13-17, 2020

**Participants:** 25

### Who can apply

Researchers under 40 years of age with an M. Sc degree in life sciences and working in academia, universities or industrial laboratories. Preference shall be given to permanent employees of the research centers/departments/universities working in biotechnology or planning to initiate work in this area.

**Closing date:** April, 03, 2020

**Duration:** 5 days

**Venue:** NIBGE, Faisalabad

### Registration fee:

#### Category of participants

Local participants (With working lunch/tea)	Rs. 5000 (Mandatory on acceptance)
Residential participants (with accommodation, breakfast, lunch, dinner)	Rs. 10,000/5 days (Optional)
Local students (with lunch/tea)	Rs. 3000

**Note:** All dues should be paid before or at the time of registration by the participants in form of cash/bank draft in the name of account officer NIBGE.

### Organizers

#### Chair of the organizing committees:

Dr. Shahid Mansoor, S.I. Director, NIBGE

#### Organizing Committee

Dr. Fathia Mubeen	Dr. M. Afzal Ghauri
(Course organizer)	Dr. Shahid M. Baig
Dr. Sumera Yasmin	Dr. Zahid Mukhtar
Dr. Asma Imran	Dr. Samina Iqbal
Dr. Muhammad Imtiaz	

### For Correspondence:

**Dr. Fathia Mubeen (PS)**  
Soil & Environmental Biotechnology  
Division (NIBGE)

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