

## ICAR-National Bureau of Agriculturally Important Microorganisms (NBAIM)

*Understanding and conserving our national heritage of agriculturally important microorganisms*

### National Training on ***Molecular Techniques in Microbial Diversity Analyses: Trends and Advances*** **23<sup>rd</sup> to 30<sup>th</sup> November, 2022**



#### About NBAIM

ICAR-NBAIM is one of the premier institutions of Indian Council of Agricultural Research (ICAR) leading research and development programs in the field of Agricultural Microbiology in India. The Bureau aims at collection, maintenance, conservation and utilization of agriculturally important microorganisms and their genomic resources for future needs. The Bureau has state of the art research facilities to undertake cutting-edge research in Agricultural Microbiology, Microbial Biotechnology, Plant Pathology and Bioinformatics for the benefit of Indian agriculture and farmers. Apart from core research, human resource development is also one of its mandates. The Bureau has organised several successful training programs on various aspects of basic and applied sciences to benefit different stake-holders of the society. In this line, national and international training programs on different areas of molecular microbial identification, characterization, molecular taxonomy, biocontrol, plant-microbe interactions and the applications of bioinformatics in gene mining have been organized since the inception of the Bureau.

#### Salient features of the training

- Molecular identification of bacteria, cyanobacteria and fungi
- DNA sequencing
- Sequence data and phylogenetic analyses
- Molecular cloning

The training programme will include both lectures and practical sessions on the above thematic areas. Resource experts from the Bureau and other reputed institutes will address the participants. Emphasis will be given on practical sessions.

#### Expected benefits to the participants

The participants will be sensitized with the current tools and techniques used in molecular identification of bacteria, cyanobacteria and fungi. Hands on practical sessions on PCR, restriction analyses, molecular cloning and phylogenetic analyses will enable the participants to undertake research in microbial taxonomy and diversity.

#### Eligible participants

Ph.D. students, Research Scholars, Post-Doctoral Fellows, Technical Officers, Scientists/Assistant Professors/Lecturers or above, from any University/ institute/ organization working in the area of biological sciences.

#### Fees for the training

Rs. 4000 per trainee for students/research scholars/post-doctoral fellows and Rs. 6000/- for Technical officers, Scientists/Assistant Professors/Lecturers or above from Public/Private Universities or Govt. Institutions. Rs. 10000/- per trainee for researchers from private or Non-Government organizations /Companies/ Firms. The fees include accommodation, food and training materials.

#### How to apply?

Eligible participants may fill the attached application form and send to the Director, ICAR-NBAIM on/or before 20<sup>th</sup> October, 2022 to -

E-mail id: [director.nbaim@icar.gov.in](mailto:director.nbaim@icar.gov.in)

***The selected candidates will be notified on 25<sup>th</sup> October, 2022***

#### Organizing Team

<b>Course Director</b>	: Dr. Alok Kumar Srivastava, Director
<b>Course Coordinator</b>	: Dr. Hillol Chakdar, Senior Scientist
<b>Course Co-Coordinator</b>	: Dr. Kumar M, Scientist (Sr. Scale)
<b>Course Co-Coordinator</b>	: Dr. Shobit Thapa, Scientist



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## National Training on

### *Molecular Techniques in Microbial Diversity Analyses: Trends and Advances*

23<sup>rd</sup> to 30<sup>th</sup> November, 2022

ICAR- National Bureau of Agriculturally Important Microorganisms (NBAIM),  
Kushmaur, Maunath Bhanjan, Uttar Pradesh- 27 5103

#### APPLICATION FORM

##### **Personal Details**

Name :  
Gender :  
Designation/Occupation :  
E-mail :  
Mobile/Contact Number(s) :

##### **Contact Details**

Full Address :  
City & State :

##### **Academic Details**

Degree (M.Sc./M.Phil./Ph.D.) :  
Subject Specialization :  
College/Department :  
University/Institute :

**Accommodation Required** : **Yes/No**

##### **Registration fees (Tick whichever is applicable)**

Students or Research scholars	4000/-
Technical officers, Scientists/Assistant Professors/ Lecturers from SAU/ICAR/CSIR/UGC:	6000/-
Researchers from Industry / Non-Govt. Organizations:	10000/-

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Signature of the Applicant