



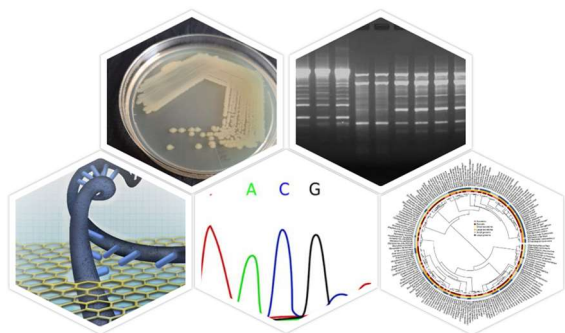
ICAR-National Bureau of Agriculturally Important Microorganisms (NBAIM)

in collaboration with
Genotypic Technology, Bengaluru
is organizing a

Hands on Workshop

on

Molecular identification of microbial bioagents: Sequencing to phylogenetic analyses (4-7th March, 2024)



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. ICAR-NBAIM acts as a nodal agency for carrying out DNA identification and DNA fingerprinting of biopesticides to be registered with CIB&RC. The Bureau maintains National Agriculturally Important Microbial Culture Collection which is recognized as International Depositary Authority (IDA) under Budapest Treaty and Designated Repository under Biodiversity Act, 2002.

About the training

Molecular identification of microorganisms is of paramount importance in any microbiological research. For commercial exploitation of any beneficial microorganism whether it is being used as a biopesticide, biostimulants or biofertiliser. As a regulatory requirement for registration of biopesticides and biostimulants, identification and DNA fingerprinting is needed.

In this training program, the intricacies of the molecular identification of microbes will be deliberated through hands on sessions spanning from DNA isolation to sequencing and phylogenetic analyses. A special session will be organized on whole genome sequencing (WGS) using Nanopore technology as WGS can revolutionize the identification and strain characterization of bioagents in the near future.

Key Focus Areas:

- Microbial DNA Isolation & Purification
- PCR & Product Purification
- Sequencing Techniques
- BLAST analyses & Phylogenetic Tree Construction
- Whole genome sequencing using Nanopore technology

No. of seats:

Seats are limited to 20 no.s and will be considered on first come first served basis.

Eligibility: Scientists/Assistant Professors/Lecturers/ technical officers or above from Public/Private Universities or R&D personnel from private or non-Government organizations /Companies/Firms can apply. PhD scholars & Post Docs are also eligible. Training fees: Rs. 8000/- per trainee. The fees will cover accommodation, food and training materials. No TA/DA will be paid.

How to apply?

Eligible participants may fill the attached application form and send to the Director, ICAR-NBAIM on/or before 10th February, 2024 to -

E-mail id: director.nbaim@icar.gov.in

The selected candidates will be notified on 13th February, 2024

For any queries, please contact

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