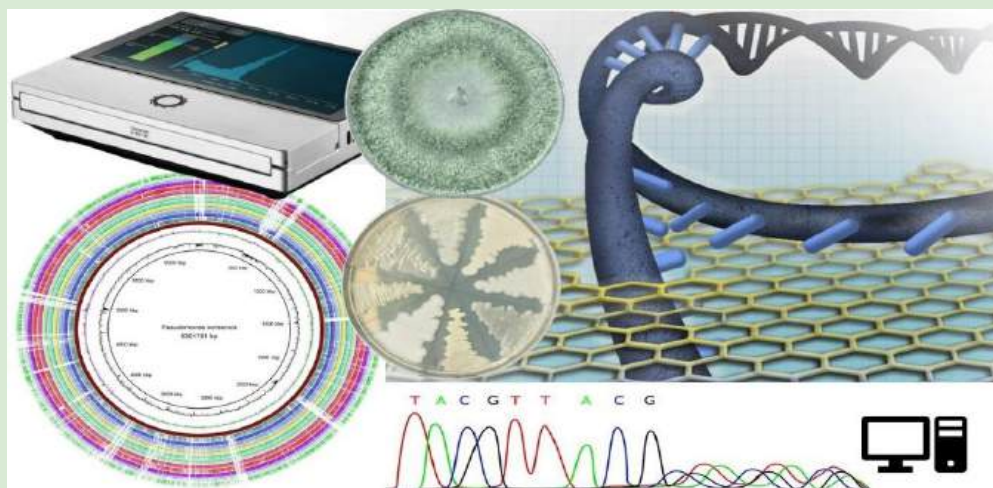


**National Training
on
Decoding Microbial Genomics: From Sequencing to
Functional Insights**

(18th to 24th December, 2025)



Course Director

Dr. Alok Kumar Srivastava, Director

Course Coordinator

Dr. Jyotsana Tilgam, Scientist

Course Co-Coordinator

Dr. Hillol Chakdar, Senior Scientist
Dr. Shobit Thapa, Scientist (Sr. Scale)

**ICAR-National Bureau of Agriculturally
Important Microorganisms**

(ISO 9001:2008 Certified Institute)

Kushmaur, Maunath Bhanjan-275103

Uttar Pradesh, India

Email id: director.nbaim@icar.gov.in

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About the training Program

Microorganisms form the foundation of all ecosystems, driving key biological processes such as nutrient cycling, soil fertility maintenance, and plant health promotion. Understanding microbial genomes provides critical insights into their ecological roles, metabolic potential, and applications in sustainable agriculture. The training program “Decoding Microbial Genomes: From Sequencing to Functional Insights” is designed to build participants’ expertise in modern microbial genomics, from DNA sequencing to bioinformatic analysis and functional interpretation. This hands-on program will guide participants through the complete workflow of microbial genome analysis, encompassing sequencing strategies, genome assembly, annotation, and the extraction of functional insights relevant to microbial ecology and biotechnology. This program particularly benefits early-career researchers, scientists, and academicians in the life sciences who wish to strengthen their understanding of microbial genomics and its practical applications in agriculture, environment, and industry.

Themes

- Sequencing Approaches in Microbial Genomics
- Microbial whole genome sequencing
- Genome Assembly, Annotation, and Functional Insights
- Bioinformatics and Data Interpretation
- Genomics in Microbial Ecology and Communities

Methodology

The program will consist of a blend of lectures and practical sessions delivered by resource experts from ICAR-NBAIM and other renowned institutions. Emphasis will be placed on interactive and hands-on learning to ensure participants acquire the skills needed to conduct independent research in understanding of microbial genomics and its practical applications.



Expected benefits to the participants

Participants will gain hands-on experience in microbial genome analysis, from sequencing to functional interpretation. The program covers modern sequencing technologies (including Oxford Nanopore and capillary-based systems), data processing, genome assembly, annotation, and gene prediction, enabling participants to design and interpret microbial genomics studies for applications in agriculture, ecology, and biotechnology.

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 is engaged in the cutting-edge research in Agricultural Microbiology, Microbial Biotechnology, Plant Pathology and Bioinformatics for the benefit of Indian agriculture and farmers. Human resource development is one of the important mandates of Bureau. The Bureau has organised several successful training programs on molecular microbial identification and characterization, molecular taxonomy, microbial diversity, biocontrol, plant-microbe interactions and the applications of bioinformatics in gene mining to benefit different stakeholders.



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

Students/research fellows	scholars/post-doctoral	Rs. 5000/-
Technical Officers/ Professors/Lecturers from Public/Private Institutions	Scientists/Assistant Professors/Lecturers or above from Universities or Govt. Institutions	Rs. 8000/-
Researchers from private or Non-Government organizations /Companies/ Firms		Rs. 12000/-

The fees include accommodation, food and training materials.

How to apply?

Eligible participants should send the dully filled application form forwarded by the HoD/Head of the institution to the Director, ICAR-NBAIM to the email ids: nbaimicar@gmail.com and tilgam_jyotsana@yahoo.com

The last date to apply for the training is 1st December, 2025.

- The number of seats are limited to 25 participants
- The selected candidates will be notified by email
- For any queries please contact:
8505909660 (Dr. Jyotsana)
9810910799 (Dr. Shobit)



National Training Program on
“Decoding Microbial Genomics: From Sequencing to
Functional Insights”
18th to 24th December, 2025



ICAR-National Bureau of Agriculturally Important Microorganisms

APPLICATION FORM

Personal Details	
Name	
Gender (M/F)	
Designation/Occupation	
E-mail	
Mobile No. (with WhatsApp)	
Contact Details	
Full Address	
City	
State	
Academic Details	
Degree (M.Sc./Ph.D./any other)	
Subject Specialization	
College/Department	
University/Institute	
Registration fees (tick √ as applicable)	
Students/Research scholars	5000/-
Technical officers/Scientists / Assistant Professors or above from Public/ Private Universities or Govt. Institutions.	8000/-
Researchers from private or Non-Government Organizations/ Companies/ Firms	12000/-
Forwarding from Competent Authority Seal	Signature of the Applicant

Kindly send all the filled in forms to nbaimicar@gmail.com with cc to tilgam_jyotsana@yahoo.com