

ICAR-National Bureau of Agriculturally Important Microorganisms (NBAIM)

in collaboration with

Labmate (Asia) Pvt. Ltd., Chennai

organizing

Hands on workshop on Freeze drying for long term preservation of microorganisms: Theory and Practices

09th January to 11th January 2024



About the workshop

Conservation of microbial resources is essential to harness their potential for the benefit of the society. Long term preservation of the microbes is not only important from biodiversity conservation point of view but also the industries can maintain their precious cultures efficiently through this method. Microorganisms can be preserved for long term either using liquid nitrogen or through freeze drying. Freeze drying can preserve microorganisms for 15-20 years. The present training aims to sensitize the microbiologists and plant pathologists about the techniques in microbial freeze drying including the handling of the freeze dryers. The training aims to provide a holistic view of the techniques starting from preparing the cultures for freeze drying till checking the freeze dried ampoules for leakage.

About NBAIM

ICAR-NBAIM stands as a prominent institution under the Indian Council of Agricultural Research (ICAR), spearheading research and development initiatives in the realm of Agricultural Microbiology in India. The Bureau is dedicated to the collection, preservation, and utilization of agriculturally important microorganisms. The Bureau houses the National Agriculturally Important Microbial Culture Collection (NAIMCC) mandated to conserve the microbial wealth of the country. NAIMCC is a designated depository under Biodiversity Act, 2002. NAIMCC acquired the status of International Depository Authority (IDA) in 2020. At present, NAIMCC holds more than 8000 microbial accessions. NAIMCC offers different public and private deposits. Through supply of authentic microbial cultures, NAIMCC has built a strong base of stakeholders from both academia and industry. NAIMCC maintains advanced instrumentation facilities for short and long term preservation of microorganisms.

About Labmate (Asia) Pvt. Ltd

Labmate (Asia) is the leading distributor company founded in 1989 with head quartered in Chennai. Labmate has been an authorized exclusive distributor for world class manufacturers freeze dryers and other lab equipments. Labmate serves to Pharma, Agriculture and Life Sciences industries/researchers to provide comprehensive solutions. It has team of dedicated, well trained and technically qualified professionals to help the researchers with product and services.

Salient features of the training

- Hands on practical on using freeze dryers for microbial preservations
- Updates on latest technologies
- Focused discussion on trouble shooting
- The workshop will include both lectures and practical sessions on the above thematic areas.
- Training by experienced professionals from NAIMCC and Labmate (Asia) Pvt. Ltd.

Expected benefits to the participants

The participants will learn the techniques for freeze drying of microorganisms including the operation and trouble shooting of the freeze dryer equipment.

Eligibility and fees for the training

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. 6000/- 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 December, 2023 to -

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

The selected candidates will be notified on 13th December, 2023

For any query, please write to

Course Director

Dr. Alok Kumar Srivastava, director.nbaim@icar.gov.in
Director

Course Coordinator

Dr. Hillol Chakdar, hillol.chakdar@icar.gov.in
Senior Scientist



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Hands on workshop on

**Freeze drying for long term preservation of microorganisms:
Theory and Practices**

Organized by ICAR-NBAIM, Mau in collaboration with Labmate (Asia) Pvt. Ltd., Chennai

9-11th January, 2024

Venue

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

APPLICATION FORM

Personal Details

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

Affiliation

Full Address :
City & State :

Academic Details

Highest Degree :
Subject / Specialization :
College/Department :
University/Institute :

Accommodation Required : Yes/No

Recommendation of the competent authority (if applicable)

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Signature with Seal

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Signature of the Applicant

Important note

- Completed forms must be sent to director.nbaim@icar.gov.in on or before 10th December, 2023.
- Provisionally selected candidates will be intimated on 13th December, 2023.
- Provisionally selected candidates need to pay a training fee of Rs. 6000/- per participant for final confirmation.