



NTHRYS WORKSHOPS

Workshop On Microbial Sampling And Analysis Techniques

8:45 AM - 10:15 AM: Session 1: Air Sampling Methods

Hands-on training on active and passive air sampling techniques.
Demonstration of sampler setup and operation.
Collection of air samples from different environments.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Microbial Culture and Identification

Isolation of airborne microbes on selective media.
Identification of isolated colonies using biochemical tests.
Introduction to rapid microbial identification methods.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Molecular Techniques for Microbial Analysis

Extraction of microbial DNA from air samples.
PCR amplification of target genes.
Gel electrophoresis for analyzing PCR products.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Data Analysis and Interpretation

Quantification of microbial populations in air samples.
Statistical analysis of data using software tools.
Interpretation of results and reporting.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.
Dialogue on overcoming challenges in adopting new technologies in similar sectors.
Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes