



## Bacteriology Workshops

# Bacteriology Workshops

NTHRYS BIOTECH LABS provides a diverse array of workshops in the realm of Bacteriology. Explore our comprehensive offerings below

[Bacteriology Workshops Application Process](#)

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## Your Gateway to Bacteriology: Workshop Selections!

1. [Workshop in Introduction to BacteriologyPDF](#)
2. [Workshop in Advanced Techniques in BacteriologyPDF](#)
3. [Workshop in Emerging Trends in BacteriologyPDF](#)

### 1. Workshop in Introduction to Bacteriology

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**Date:** Pre Selected Date

**Fee:** Rs 6000/-

**Duration:** One Day

**Mode:** Offline and Virtual

**Location for Offline:** NBL Cherlapalli IDA Branch

**Facilitator(s):** NTHRYS TEAM

### **8:00 AM - 8:30 AM: Registration and Welcome Coffee**

Participants arrive, register, and network over coffee.

### **8:30 AM - 8:45 AM: Opening Remarks**

Welcome by the host.

Brief overview of today's focus.

### **8:45 AM - 10:15 AM: Session 1: Basics of Bacteriology**

Overview of bacteriology and its importance.

Introduction to bacterial classification and structure.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Bacterial Culturing Techniques**

Hands-on training on culturing bacteria.

Practical session on isolation, staining, and microscopy of bacterial samples.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Bacterial Genetics**

Overview of bacterial genetics and gene expression.

Practical exercises on transformation, transduction, and conjugation.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Case Studies in Bacteriology**

Discussion on real-world case studies in bacteriology.

Analysis of bacterial roles in health, industry, and the environment.

### **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**

## **2. Workshop in Advanced Techniques in Bacteriology**

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**Date:** Pre Selected Date

**Fee:** Rs 6000/-

**Duration:** One Day

**Mode:** Offline and Virtual

**Location for Offline:** NBL Cherlapalli IDA Branch

**Facilitator(s):** NTHRYS TEAM

### **8:00 AM - 8:30 AM: Registration and Welcome Coffee**

Participants arrive, register, and network over coffee.

### **8:30 AM - 8:45 AM: Opening Remarks**

Welcome by the host.  
Brief overview of today's focus.

### **8:45 AM - 10:15 AM: Session 1: Molecular Bacteriology**

Introduction to molecular techniques in bacteriology.  
Practical demonstration of PCR, sequencing, and genetic engineering.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Bacterial Pathogenesis**

Overview of bacterial pathogenesis and virulence factors.  
Hands-on workshop on studying host-pathogen interactions.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Antibacterial Agents and Resistance**

Discussion on antibacterial agents and mechanisms of resistance.  
Practical session on testing bacterial susceptibility to antibiotics.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Industrial Applications of Bacteriology**

Exploration of bacteriology in industrial processes.  
Case studies on fermentation, bioremediation, and biotechnology applications.

### **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**

## **3. Workshop in Emerging Trends in Bacteriology**

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**Date:** Pre Selected Date

**Fee:** Rs 6000/-

**Duration:** One Day

**Mode:** Offline and Virtual

**Location for Offline:** NBL Cherlapalli IDA Branch

**Facilitator(s):** NTHRYS TEAM

**8:00 AM - 8:30 AM: Registration and Welcome Coffee**

Participants arrive, register, and network over coffee.

**8:30 AM - 8:45 AM: Opening Remarks**

Welcome by the host.

Brief overview of today's focus.

**8:45 AM - 10:15 AM: Session 1: Microbiome Research**

Introduction to the study of bacterial communities in the microbiome.

Practical session on analyzing microbiome data and its implications.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Synthetic Biology in Bacteriology**

Overview of synthetic biology applications in bacteriology.

Hands-on workshop on designing and constructing synthetic bacterial systems.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Bioinformatics for Bacterial Research**

Discussion on bioinformatics tools for bacterial research.

Practical exercises on using computational tools for bacterial genome analysis.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Future Directions in Bacteriology**

Exploration of future trends and innovations in bacteriology.  
Case studies on cutting-edge research and its applications.

### **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**

Note: NTHRYS Management reserves the right to modify the workshop module at any time without prior notice. Registered or enrolled candidates will receive the module that is current on the day of enrollment.

## **NTHRYS Workshops Department**

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**Email: workshops ( a t ) nthrys [ d0t ] com**

## **Bacteriology Workshops Application Process**

1. Select a workshop from the list.
2. Contact via whatsapp on the number present above to request fee details and dates suitable for joining. Alternatively, you can send an email to workshops ( a t ) nthrys [ d 0 t ] com.
3. Our Workshop department will contact you promptly to provide further assistance.