



## NTHRYS WORKSHOPS

# Bacterial Plant Pathogens And Disease Management

### 8:45 AM - 10:15 AM: Session 1: Identification of Bacterial Plant Pathogens

Hands-on workshop on bacterial pathogens.  
Protocols for identifying bacterial pathogens in plant tissues using biochemical tests and molecular diagnostics.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Pathogenicity and Virulence Factors in Bacteria

Practical session on bacterial virulence.  
Protocols for studying bacterial virulence factors like toxins, effector proteins, and biofilm formation.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Biological Control of Bacterial Diseases in Plants**

Hands-on training on biocontrol of bacterial diseases.  
Protocols for using bacterial antagonists, bacteriophages, and other biological agents to manage bacterial plant diseases.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Antibiotic Use and Resistance Management in Plant Bacterial Diseases**

Practical session on antibiotic strategies.  
Protocols for testing antibiotic treatments and developing resistance management strategies in bacterial plant pathogens.

### **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**