



## Molecular Agrobiology Workshops

# Molecular Agrobiology Workshops

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

[Molecular Agrobiology Workshops Application Process](#)

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## Explore Cutting-Edge Molecular Agrobiology: Start Your Journey Here!

1. [Workshop in Introduction to Molecular AgrobiologyPDF](#)
2. [Workshop in Advanced Techniques in Molecular AgrobiologyPDF](#)
3. [Workshop in Molecular Agrobiology in Sustainable AgriculturePDF](#)
4. [Workshop in Innovations in Molecular AgrobiologyPDF](#)
5. [Workshop in Ethical and Regulatory Perspectives in Molecular AgrobiologyPDF](#)

### 1. Workshop in Introduction to Molecular Agrobiology

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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 Molecular Agrobiology**

Overview of molecular agrobiolgy principles and applications.

Hands-on session on studying plant and microbial interactions.

Introduction to the importance of molecular agrobiolgy in agriculture.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Genetic Engineering in Agriculture**

Interactive session on genetic engineering techniques.

Workshop on using CRISPR and other tools for crop improvement.

Practical demonstration of genetic modification methods.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Molecular Plant Pathology**

Exploring molecular techniques for studying plant diseases.

Hands-on training on identifying and managing plant pathogens.

Case studies on the role of molecular agrobiolgy in plant protection.

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

Time for a stretch and informal discussions.

**2:45 PM - 4:15 PM: Session 4: Environmental Impact of Genetically Modified Crops**

Workshop on assessing the environmental impact of GM crops.

Practical techniques for studying gene flow and ecosystem effects.  
Case studies on the impact of GM crops on biodiversity.

**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 Molecular Agrobiology**

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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: Advanced Molecular Techniques**

Introduction to advanced molecular techniques in agrobiolology.  
Hands-on session on using next-generation sequencing and other methods.  
Practical demonstration of advanced molecular applications in agriculture.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Functional Genomics in Crops**

Exploring functional genomics approaches in crop research.  
Workshop on identifying and characterizing genes involved in stress responses.  
Case studies on the applications of functional genomics in crop improvement.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Metabolomics and Proteomics in Agriculture**

Hands-on session on metabolomics and proteomics techniques.  
Exploring techniques for studying plant metabolism and protein function.  
Practical applications of omics technologies in agriculture.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Bioinformatics in Molecular Agrobiolology**

Workshop on bioinformatics tools for molecular agrobiolology.  
Practical techniques for analyzing and interpreting molecular data.  
Case studies on using bioinformatics to understand plant and microbial interactions.

### **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 Molecular Agrobiology in Sustainable Agriculture**

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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: Role of Molecular Agrobiology in Sustainable Agriculture**

Overview of the importance of molecular agrobiology in sustainable agriculture.

Hands-on session on studying sustainable agricultural practices.

Case studies on the impact of molecular agrobiology in sustainable farming.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Enhancing Crop Resilience**

Exploring techniques for enhancing crop resilience using molecular biology.  
Workshop on developing crops that withstand environmental stress.  
Case studies on the applications of molecular agrobiolgy in crop resilience.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Soil Health and Microbiome**

Hands-on session on studying soil health and microbiome interactions.  
Exploring techniques for enhancing soil fertility and plant-microbe interactions.  
Practical applications of molecular agrobiolgy in improving soil health.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Integrated Pest Management**

Workshop on using molecular techniques in integrated pest management.  
Practical techniques for developing biological control agents.  
Case studies on the role of molecular agrobiolgy in pest management.

### **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**

## **4. Workshop in Innovations in Molecular Agrobiolgy**

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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: Emerging Technologies in Molecular Agrobiology**

Introduction to emerging technologies in molecular agrobiolgy.

Hands-on session on using advanced tools and techniques in agricultural research.

Case studies on innovative applications of new technologies in molecular agrobiolgy.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: AI and Machine Learning in Agriculture**

Exploring the role of AI and machine learning in molecular agrobiolgy.

Workshop on developing predictive models using AI and ML.

Case studies on the applications of AI in enhancing agricultural research.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Integrative Omics in Agriculture**

Hands-on session on integrating multi-omics data in molecular agrobiolology.  
Exploring techniques for combining genomics, proteomics, and metabolomics.  
Practical applications of integrative omics in crop improvement.

### **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 Molecular Agrobiolology**

Discussion on emerging trends and future directions in molecular agrobiolology.  
Workshop on integrating new technologies in agricultural research.  
Case studies on the potential impact of future innovations in molecular agrobiolology.

### **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**

## **5. Workshop in Ethical and Regulatory Perspectives in Molecular Agrobiolology**

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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: Ethical Considerations in Molecular Agrobiology Research**

Overview of ethical issues in molecular agrobiology research.

Case studies on ethical dilemmas in studying genetically modified organisms.

Workshop on addressing ethical considerations in molecular agrobiology research.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Regulatory Frameworks for Molecular Agrobiology**

Exploring regulatory guidelines and requirements for molecular agrobiology research.

Case studies on navigating regulatory challenges.

Workshop on understanding international regulatory frameworks.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Public Perception and Communication**

Workshop on improving public understanding of molecular agrobiology research.

Techniques for effective science communication.

Case studies on public engagement and education initiatives.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Policy and Planning for Molecular Agrobiology**

Discussion on policy and planning for sustainable molecular agrobiolology research.

Case studies on effective policies and planning strategies.

Workshop on integrating ethical and social considerations in molecular agrobiolology research.

### **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**

## **Molecular Agrobiolology 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.