

## Phytochemomics Workshops

# Phytochemomics Workshops

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

[Phytochemomics Workshops Application Process](#)

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## Transform Your Understanding: Engage in Our Phytochemomics Workshops!

1. [Workshop in Practical Techniques in PhytochemomicsPDF](#)
2. [Workshop in Advanced Techniques in PhytochemomicsPDF](#)
3. [Workshop in Emerging Technologies in PhytochemomicsPDF](#)
4. [Workshop in Phytochemomics and AgriculturePDF](#)
5. [Workshop in Integrative Approaches in PhytochemomicsPDF](#)

### 1. Workshop in Practical Techniques in Phytochemomics

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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: Introduction to Phytochemomics**

Overview of phytochemomics and its applications.

Techniques for analyzing plant chemical compounds.

Case studies on phytochemomics research.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Data Collection and Analysis**

Hands-on techniques for collecting and processing plant chemical data.

Software tools for phytochemomic analysis.

Practical session on data visualization.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Phytochemical Profiling**

Introduction to phytochemical profiling and its applications.

Techniques for profiling plant metabolites.

Discussion on profiling limitations and improvements.

**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 and Applications**

Review of significant case studies in phytochemomics.

Application of phytochemomics in agriculture and medicine.

Future trends and research directions.

**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 Phytochemomics**

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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: Metabolomics in Phytochemomics**

Introduction to metabolomics and its applications in phytochemomics.

Practical demonstration of metabolomic workflows.

Data analysis techniques for metabolomics.

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

Networking and refreshments.

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

Overview of chromatographic techniques in phytochemomics.

Practical session on using HPLC and GC-MS for plant analysis.

Interpreting chromatographic data and troubleshooting common issues.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Phytochemical Extraction Methods**

Using advanced extraction methods for phytochemical analysis.

Case studies on extraction techniques.

Discussion on integrating extraction methods with other analytical techniques.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Phytochemomics in Drug Discovery**

Strategies for using phytochemomics in drug discovery.

Case studies on pharmaceutical applications.

Future trends and challenges in the field.

### **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 Technologies in Phytochemomics**

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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: Machine Learning in Phytochemomics**

Introduction to machine learning techniques.

Applications of machine learning in phytochemomic analysis.

Hands-on session with machine learning tools.

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

Networking and refreshments.

## **10:30 AM - 12:00 PM: Session 2: High-Performance Computing**

Using high-performance computing for large-scale phytochemomic studies.

Practical session on setting up and running HPC workflows.

Troubleshooting and optimizing performance.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Integrative Approaches**

Combining phytochemomics with other biological data.

Case studies on integrative approaches.

Practical session on multi-omics data integration.

### **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**

Emerging trends and technologies in phytochemomics.

Discussion on potential breakthroughs and innovations.

Networking session for collaborative research opportunities.

### **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 Phytochemomics and 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: Agricultural Applications of Phytochemomics**

Using phytochemomics to improve crop quality.

Case studies on agricultural applications.

Practical session on analyzing plant chemical data for agriculture.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Enhancing Plant Nutrition**

Exploring phytochemomics to enhance plant nutrition.

Case studies on nutrient improvement.

Practical session on nutrient analysis techniques.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Pest and Disease Management**

Using phytochemomics to manage pests and diseases.

Case studies on pest and disease management.

Practical session on analyzing plant defense compounds.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Future Challenges in Agricultural Phytochemomics**

Discussion on future challenges and opportunities in phytochemomics for agriculture.

Strategies for addressing these challenges.

Networking session for collaborative solutions.

### **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 Integrative Approaches in Phytochemomics**

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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: Multi-Omics Data Integration**

Introduction to multi-omics data integration.  
Practical session on combining genetic, epigenetic, and proteomic data.  
Case studies on integrative approaches.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Phytochemomics and Ecology**

Exploring the intersection of phytochemomics and ecology.  
Case studies on ecological applications.  
Practical session on ecological data analysis.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Computational Tools and Resources**

Overview of computational tools for phytochemomics.  
Hands-on session with popular software and databases.  
Discussion on best practices and resources.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Future Trends and Collaborations**

Discussion on future trends in phytochemomics.  
Strategies for fostering collaborations.  
Networking session for potential partnerships.

### **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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## **Phytochemomics 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.