

Agricultural Biotechnology Workshops

Agricultural Biotechnology Workshops

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

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Agricultural Biotechnology Gateway: Pave Your Path with Our Workshops!

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

1. Workshop in Introduction to Agricultural Biotechnology

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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: Fundamentals of Biotechnology

Introduction to basic concepts of biotechnology and its applications in agriculture.

Hands-on training on DNA extraction and gel electrophoresis.

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

Overview of genetic engineering techniques for crop and livestock improvement.

Practical exercises on gene cloning and transformation.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Biotechnology Tools and Techniques

Introduction to key biotechnological tools and their applications.

Hands-on session on PCR and real-time PCR techniques.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Regulatory and Ethical Issues

Discussion on regulatory frameworks and ethical considerations in agricultural biotechnology.

Case studies on successful applications and controversies.

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 Agricultural Biotechnology

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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: CRISPR and Genome Editing

Introduction to CRISPR-Cas9 and other genome editing technologies.
Practical demonstration of genome editing in plants.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Molecular Breeding Techniques

Overview of molecular breeding and marker-assisted selection.

Hands-on workshop on QTL mapping and marker analysis.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Plant Tissue Culture

Introduction to plant tissue culture techniques and applications.

Practical session on micropropagation and somatic embryogenesis.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Biotechnology in Pest Management

Applications of biotechnology in pest and disease management.

Case studies on biopesticides and genetically modified organisms (GMOs).

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 Agricultural Biotechnology

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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: Biotechnology for Sustainable Agriculture

Introduction to sustainable agricultural practices enhanced by biotechnology.

Practical session on bioremediation and biofertilizers.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Innovations in Crop Biotechnology

Overview of recent innovations in crop biotechnology.

Hands-on workshop on developing transgenic crops for improved traits.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Animal Biotechnology

Applications of biotechnology in animal breeding and health.

Practical exercises on animal cloning and transgenic animal production.

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 Agricultural Biotechnology

Discussion on future trends and emerging technologies in agricultural biotechnology.

Case studies on innovative applications and their impacts.

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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Agricultural Biotechnology 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.