Environmental Biotechnology Workshops

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

Application Process

1. Select a workshop from the list below.
2. Click on the WhatsApp icon in the top right corner 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.

1. Introduction to Environmental Biotechnology

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Date: Pre Selected Date

Location: 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 Environmental Biotechnology

Overview of environmental biotechnology principles and applications.
Hands-on session on using biotechnology for environmental conservation.
Introduction to bioremediation and waste management.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Microbial Biotechnology

Interactive session on microbial applications in environmental biotechnology.
Workshop on isolating and culturing environmental microbes.
Practical demonstration of using microbes for pollution control.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Phytoremediation

Exploring the use of plants for environmental cleanup.
Hands-on training on implementing phytoremediation projects.
Case studies on successful phytoremediation applications.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Biodegradation and Biotransformation

Workshop on biodegradation of environmental pollutants.
Practical techniques for biotransformation processes.
Case studies on biotechnological approaches to waste degradation.

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 Agri Environmental sectors.
Feedback session and closing remarks.
Certificate Issue

5:30 PM: Workshop Concludes

2. Advanced Techniques in Environmental Biotechnology

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Date: Pre Selected Date

Location: 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: Genetically Engineered Microorganisms (GEMs)

Introduction to the use of GEMs in environmental biotechnology.
Hands-on session on engineering microbes for specific tasks.
Practical demonstration of using GEMs in bioremediation.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Bioenergy and Biofuels

Exploring the production of bioenergy and biofuels.
Workshop on using biomass for energy generation.
Case studies on sustainable biofuel projects.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Environmental Genomics and Metagenomics

Hands-on session on genomics approaches in environmental biotechnology.
Exploring sequencing technologies for environmental samples.
Case studies on metagenomic applications in environmental research.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Industrial Waste Treatment

Workshop on biotechnological approaches to industrial waste treatment.
Practical techniques for treating and managing industrial effluents.
Case studies on successful industrial waste treatment projects.

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 Agri Environmental sectors.
Feedback session and closing remarks.
Certificate Issue

5:30 PM: Workshop Concludes

3. Environmental Biotechnology in Agriculture

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Date: Pre Selected Date

Location: 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: Sustainable Agriculture Practices

Overview of biotechnology applications in sustainable agriculture.
Hands-on session on developing eco-friendly farming techniques.
Practical use of biotechnology for enhancing soil fertility and crop yield.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Biopesticides and Biofertilizers

Exploring the use of biopesticides and biofertilizers.
Workshop on producing and applying eco-friendly agricultural inputs.
Case studies on the impact of biopesticides and biofertilizers on crop health.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Genetic Modification in Agriculture

Hands-on session on genetically modifying crops for sustainability.
Exploring the benefits and challenges of GM crops.
Case studies on successful implementation of GM 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: Precision Agriculture

Workshop on precision agriculture technologies.
Practical use of sensors and data analytics for optimizing crop production.
Case studies on precision agriculture success stories.

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 Agri Environmental sectors.
Feedback session and closing remarks.
Certificate Issue

5:30 PM: Workshop Concludes

4. Innovations in Environmental Biotechnology

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Date: Pre Selected Date

Location: 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: Synthetic Biology in Environmental Applications

Introduction to synthetic biology approaches for environmental applications.
Hands-on session on designing synthetic biological systems.
Case studies on synthetic biology projects in environmental biotechnology.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Nanobiotechnology for Environmental Applications

Exploring the use of nanobiotechnology for environmental cleanup.
Workshop on using nanomaterials for pollutant removal.
Case studies on the impact of nanobiotechnology in environmental biotechnology.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Artificial Intelligence in Environmental Biotechnology

Hands-on session on using AI and machine learning in environmental biotechnology.
Exploring applications of AI in environmental data analysis.
Case studies on AI-driven environmental biotechnology projects.

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 in Environmental Biotechnology

Discussion on emerging trends and technologies in environmental biotechnology.
Workshop on integrating new technologies in environmental projects.
Case studies on the future impact of environmental biotechnology innovations.

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 Agri Environmental sectors.
Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes

5. Ethical and Regulatory Perspectives in Environmental Biotechnology

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Date: Pre Selected Date

Location: 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 Environmental Biotechnology

Overview of ethical issues in environmental biotechnology.
Case studies on ethical dilemmas in environmental research.
Workshop on addressing ethical considerations in environmental biotechnology.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Regulatory Frameworks for Environmental Biotechnology

Exploring regulatory guidelines and requirements for environmental biotechnology.
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 environmental biotechnology.
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 Environmental Biotechnology

Discussion on policy and planning for sustainable environmental biotechnology.
Case studies on effective policies and planning strategies.
Workshop on integrating environmental and development goals.

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 Agri Environmental 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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