



Industrial Microbiology Workshops

Industrial Microbiology Workshops

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

[Industrial Microbiology Workshops Application Process](#)

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Industrial Microbiology Brilliance: Unfold Your Scientific Curiosity!

1. [Workshop in Introduction to Industrial MicrobiologyPDF](#)
2. [Workshop in Advanced Techniques in Industrial MicrobiologyPDF](#)
3. [Workshop in Industrial Microbiology in Environmental ApplicationsPDF](#)
4. [Workshop in Innovations in Industrial MicrobiologyPDF](#)
5. [Workshop in Ethical and Regulatory Perspectives in Industrial MicrobiologyPDF](#)

1. Workshop in Introduction to Industrial Microbiology

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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 Industrial Microbiology

Overview of industrial microbiology principles and applications.

Hands-on session on microbial processes used in industry.

Introduction to the importance of industrial microbiology in biotechnology.

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

Networking and refreshments.

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

Interactive session on microbial fermentation techniques.

Workshop on fermentation systems and bioreactors.

Practical demonstration of fermentation processes.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Microbial Enzyme Production

Exploring techniques for microbial enzyme production.

Hands-on training on enzyme isolation and purification.

Case studies on the application of microbial enzymes in industry.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Bioprocess Engineering

Workshop on bioprocess engineering principles and practices.

Practical techniques for optimizing microbial processes.

Case studies on the role of bioprocess engineering in industrial applications.

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 Industrial Microbiology

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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 Fermentation

Technology

Introduction to advanced techniques in fermentation technology.

Hands-on session on optimizing fermentation parameters.

Practical demonstration of advanced fermentation systems.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Microbial Metabolic Engineering

Exploring techniques for metabolic engineering in industrial microbiology.

Workshop on genetic modification of microorganisms for enhanced production.

Case studies on the applications of metabolic engineering in industry.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Bioprocess Optimization

Hands-on session on optimizing bioprocesses for industrial applications.

Exploring techniques for improving yield and efficiency.

Practical applications of bioprocess optimization in industry.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Industrial Scale Production

Workshop on scaling up microbial processes to industrial scale.

Practical techniques for large-scale production of microbial products.

Case studies on the challenges and solutions in industrial scale production.

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 Industrial Microbiology in Environmental Applications

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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 Industrial Microbiology in Environmental Applications

Overview of the importance of industrial microbiology in environmental applications.

Hands-on session on bioremediation and waste treatment.

Case studies on the impact of industrial microbiology in environmental research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Bioenergy Production

Exploring techniques for producing bioenergy from microbial processes.
Workshop on using biomass for energy production.
Case studies on the applications of industrial microbiology in bioenergy.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Green Chemistry

Hands-on session on green chemistry principles and practices.
Exploring techniques for developing sustainable biochemical processes.
Practical applications of green chemistry in industrial microbiology.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Waste Valorization

Workshop on converting waste materials into valuable products.
Practical techniques for waste valorization using microbial processes.
Case studies on the role of industrial microbiology in waste 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 Industrial Microbiology

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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 Industrial Microbiology

Introduction to emerging technologies in industrial microbiology.

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

Case studies on innovative applications of new technologies in industrial microbiology.

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 Industrial Microbiology

Exploring the role of AI and machine learning in industrial microbiology.

Workshop on developing predictive models for microbial processes.

Case studies on the application of AI in industrial microbiology 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 Industrial Microbiology

Hands-on session on integrating multi-omics data in industrial microbiology.
Exploring techniques for combining genomics, proteomics, and metabolomics.
Practical applications of integrative omics in industrial microbiology.

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 Industrial Microbiology

Discussion on emerging trends and future directions in industrial microbiology.
Workshop on integrating new technologies in industrial microbiological research.
Case studies on the potential impact of future innovations in industrial microbiology.

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 Industrial Microbiology

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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 Industrial Microbiological Research

Overview of ethical issues in industrial microbiological research.

Case studies on ethical dilemmas in studying industrial microbiology.

Workshop on addressing ethical considerations in industrial microbiological 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 Industrial Microbiology

Exploring regulatory guidelines and requirements for industrial microbiological 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 industrial microbiological 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 Industrial Microbiology

Discussion on policy and planning for sustainable industrial microbiological research.

Case studies on effective policies and planning strategies.

Workshop on integrating ethical and social considerations in industrial microbiological 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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Industrial Microbiology 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 o t] com.
3. Our Workshop department will contact you promptly to provide further assistance.