



Molecular Ecology Workshops

Molecular Ecology Workshops

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

[Molecular Ecology Workshops Application Process](#)

[Back to All Workshops](#)

Your Gateway to Molecular Ecology: Workshop Selections!

1. [Workshop in Introduction to Molecular EcologyPDF](#)
2. [Workshop in Advanced Techniques in Molecular EcologyPDF](#)
3. [Workshop in Molecular Ecology in Environmental ResearchPDF](#)
4. [Workshop in Innovations in Molecular EcologyPDF](#)
5. [Workshop in Ethical and Regulatory Perspectives in Molecular EcologyPDF](#)

1. Workshop in Introduction to Molecular Ecology

+

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 Ecology

Overview of molecular ecology principles and applications.

Hands-on session on studying ecological interactions at the molecular level.

Introduction to the importance of molecular ecology in understanding ecosystems.

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

Networking and refreshments.

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

Interactive session on techniques used in molecular ecology.

Workshop on using DNA barcoding, metabarcoding, and eDNA.

Practical demonstration of molecular ecology methods and tools.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Analyzing Molecular Ecology Data

Exploring techniques for analyzing molecular ecology data.

Hands-on training on using software for data analysis and visualization.

Case studies on interpreting molecular ecology results.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Applications of Molecular Ecology

Workshop on the applications of molecular ecology in research.

Practical techniques for using molecular ecology in conservation and management.

Case studies on the impact of molecular ecology on ecological 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

2. Workshop in Advanced Techniques in Molecular Ecology

+

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 techniques in molecular ecology.

Hands-on session on using next-generation sequencing, metagenomics, and other

methods.

Practical demonstration of advanced molecular ecology applications.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Integrating Molecular Ecology with Field Studies

Exploring approaches for integrating molecular ecology with field studies.

Workshop on combining molecular data with traditional ecological methods.

Case studies on the benefits of integrative approaches in molecular ecology.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Community Ecology and Biodiversity

Hands-on session on studying community ecology and biodiversity.

Exploring techniques for analyzing ecological interactions and species diversity.

Practical applications of molecular ecology in understanding community dynamics.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Conservation Genetics

Workshop on conservation genetics techniques.

Practical techniques for studying genetic diversity and population structure.

Case studies on the role of molecular ecology in conservation efforts.

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 Ecology in Environmental Research

+

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 Ecology in Environmental Research

Overview of the importance of molecular ecology in environmental research.

Hands-on session on studying environmental processes using molecular techniques.

Case studies on the impact of molecular ecology in environmental science.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Molecular Ecology in Climate Change Studies

Exploring the role of molecular ecology in climate change research.

Workshop on using molecular techniques to study climate-related ecological changes.
Case studies on the applications of molecular ecology in climate change studies.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Molecular Ecology in Pollution Studies

Hands-on session on the use of molecular ecology in studying pollution.
Exploring techniques for analyzing the impact of pollutants on ecosystems.
Practical applications of molecular ecology in monitoring and mitigating pollution.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Ecosystem Services and Molecular Ecology

Workshop on the applications of molecular ecology in studying ecosystem services.
Practical techniques for using molecular data to assess ecosystem health.
Case studies on the role of molecular ecology in understanding ecosystem services.

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 Ecology

+

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 Ecology

Introduction to emerging technologies in molecular ecology.

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

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

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 Molecular Ecology

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

Workshop on developing predictive models using AI and ML.

Case studies on the applications of AI in enhancing molecular ecology 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 Molecular Ecology

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

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 Ecology

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

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 Ecology

+

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 Ecology Research

Overview of ethical issues in molecular ecology research.

Case studies on ethical dilemmas in conducting ecological studies.

Workshop on addressing ethical considerations in molecular ecology 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 Ecology

Exploring regulatory guidelines and requirements for molecular ecology 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 ecology 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 Ecology

Discussion on policy and planning for sustainable molecular ecology research.

Case studies on effective policies and planning strategies.

Workshop on integrating ethical and social considerations in molecular ecology 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

M: +91-7993084748

Email: workshops (a t) nthrys [d0t] com

Molecular Ecology 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.