



NTHRYS WORKSHOPS

Introduction To Agricultural Biotechnology

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