



## NTHRYS WORKSHOPS

# Introduction To Fuel Biotechnology

### 8:45 AM - 10:15 AM: Session 1: Basics of Fuel Biotechnology

Overview of fuel biotechnology principles and applications.  
Hands-on session on biofuel production processes.  
Introduction to the importance of biofuels for sustainable energy.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Biomass Conversion Technologies

Interactive session on techniques for converting biomass to biofuels.  
Workshop on using fermentation and transesterification methods.  
Practical demonstration of biomass pretreatment and conversion.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Algal Biofuels

Exploring the production of biofuels from algae.

Hands-on training on culturing and harvesting algae.  
Case studies on the use of algal biofuels in various applications.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Biofuel Refining and Upgrading**

Workshop on refining and upgrading biofuels.  
Practical techniques for improving the quality of biofuels.  
Case studies on biofuel refining processes in industry.

### **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**