



## NTHRYS WORKSHOPS

# Bioremediation Of Heavy Metals

### 8:45 AM - 10:15 AM: Session 1: Biosorption Protocols

Hands-on training on biosorption techniques for heavy metal removal.  
Practical session on using biosorbents like algae, fungi, and agricultural residues.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Bioleaching of Heavy Metals

Practical session on bioleaching protocols.  
Hands-on training on using microorganisms to extract heavy metals from contaminated soils and industrial waste.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Genetic Engineering for Bioremediation

Hands-on workshop on the use of genetically modified organisms (GMOs) for bioremediation.  
Protocols for creating and utilizing GMOs for heavy metal detoxification.

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

Time for a stretch and informal discussions.

**2:45 PM - 4:15 PM: Session 4: In-Situ and Ex-Situ Bioremediation**

Practical session on in-situ and ex-situ bioremediation protocols.  
Case studies and practical exercises on site-specific bioremediation strategies.

**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**