

Soil Microbiology Summer Training Program

The Soil Microbiology Summer Training Program is tailored for participants seeking to gain hands-on experience in soil microbial techniques, nutrient cycling, and biofertilizer production within a short-term, intensive format.

Note: Below modules are designed keeping high end industrial professionals into consideration. Please refer individual protocols below for affordable prices.

Soil Microbial Diversity and Analysis

Kindly review the fees outlined for the individual protocols listed in this module.

- Quantitative and qualitative analysis of soil microbial populations
- Microscopy techniques for observing soil bacteria and fungi
- Using microbial diversity indices to evaluate soil health
- Documenting and reporting microbial diversity findings

Biofertilizer Production and Applications

Kindly review the fees outlined for the individual protocols listed in this module.

- Scaling up microbial cultures for biofertilizer production
- Field application of biofertilizers in different crop systems
- Packaging and quality control for biofertilizer products
- Case studies on successful biofertilizer applications in agriculture

Microbial Interactions in Soil Ecosystems

Kindly review the fees outlined for the individual protocols listed in this module.

- Role of mycorrhizal fungi in enhancing plant health
- Microbial contributions to nutrient cycling and soil fertility
- Impact of abiotic stress on soil microbial communities

- Field trials for testing microbial consortia effectiveness

Practical Techniques in Soil Microbiology

Kindly review the fees outlined for the individual protocols listed in this module.

- PCR-based techniques for microbial identification
- 16S rRNA sequencing for bacterial community profiling
- Analyzing microbial interactions through co-culturing methods
- Field and lab protocols for soil sample processing

Introduction to Sustainable Soil Management

Kindly review the fees outlined for the individual protocols listed in this module.

- Using microbial solutions for reducing chemical inputs
- Strategies for improving soil carbon sequestration
- Integrating soil microbiology into precision agriculture
- Evaluating soil health metrics for sustainable practices

Individual Protocols Under Soil Microbiology Summer Training Program

1. Sampling and isolating soil microbes from diverse environments | **Fee: Contact for fee**
2. Quantitative and qualitative analysis of soil microbial populations | **Fee: Contact for fee**
3. Microscopy techniques for observing soil bacteria and fungi | **Fee: Contact for fee**
4. Using microbial diversity indices to evaluate soil health | **Fee: Contact for fee**
5. Documenting and reporting microbial diversity findings | **Fee: Contact for fee**
6. Formulation of nitrogen-fixing and phosphate-solubilizing biofertilizers | **Fee: Contact for fee**
7. Scaling up microbial cultures for biofertilizer production | **Fee: Contact for fee**
8. Field application of biofertilizers in different crop systems | **Fee: Contact for fee**
9. Packaging and quality control for biofertilizer products | **Fee: Contact for fee**
10. Case studies on successful biofertilizer applications in agriculture | **Fee: Contact for fee**
11. Studying plant-microbe interactions in rhizosphere | **Fee: Contact for fee**
12. Role of mycorrhizal fungi in enhancing plant health | **Fee: Contact for fee**
13. Microbial contributions to nutrient cycling and soil fertility | **Fee: Contact for fee**
14. Impact of abiotic stress on soil microbial communities | **Fee: Contact for fee**
15. Field trials for testing microbial consortia effectiveness | **Fee: Contact for fee**

16. Enzyme assays for assessing soil microbial activity | **Fee: Contact for fee**
17. PCR-based techniques for microbial identification | **Fee: Contact for fee**
18. 16S rRNA sequencing for bacterial community profiling | **Fee: Contact for fee**
19. Analyzing microbial interactions through co-culturing methods | **Fee: Contact for fee**
20. Field and lab protocols for soil sample processing | **Fee: Contact for fee**
21. Role of soil microbes in organic farming systems | **Fee: Contact for fee**
22. Using microbial solutions for reducing chemical inputs | **Fee: Contact for fee**
23. Strategies for improving soil carbon sequestration | **Fee: Contact for fee**
24. Integrating soil microbiology into precision agriculture | **Fee: Contact for fee**
25. Evaluating soil health metrics for sustainable practices | **Fee: Contact for fee**

Please contact on +91-8977624748 for more details

Cant Come to Hyderabad? No Problem, You can do it in Virtual / Online Mode