Geo-Biotechnology Summer Internships

Join Geo-Biotechnology summer internships to explore the interaction between geology and biology, focusing on the role of microorganisms in geochemical processes, bioremediation, and the use of biotechnology in geological research and environmental management.

Focussed Areas under Geo Biotechnology Summer Internship

1. Microbial roles in geochemical processes
2. Bioremediation of contaminated soils and water
3. Geomicrobiology and environmental biotechnology
4. Microbial mineral formation and weathering
5. Biotechnology applications in geological exploration
6. Geobiotechnological approaches to resource recovery
7. Carbon cycling and sequestration by microorganisms
8. Microbial activity in extreme geological environments
9. Geo-environmental sustainability through biotechnology
10. Biomining and bioleaching technologies
11. Biosensors for detecting geological contamination
12. Microbial biotechnology for soil health improvement
13. Bio-geological interactions in deep subsurface environments
14. Biotechnology for energy recovery from geological sources
15. Geomicrobiology in hydrocarbon biodegradation
16. Microbial roles in rock weathering and soil formation
17. Environmental DNA (eDNA) for microbial community analysis
18. Microbial biofilm formation in geological environments
19. Applications of synthetic biology in geobiotechnology
20. Geobiotechnological approaches for metal recovery

Protocols Covered across various focussed areas under Geo Biotechnology Summer Internship

1. Bioremediation protocols for contaminated sites
2. Microbial mineral weathering and biomining techniques
3. Microbial analysis in geochemical processes
4. Biosensor development for geological contamination detection
5. Microbial biofilm formation assays in geological environments
6. Soil microbial health assessment methods

7. Environmental DNA extraction and sequencing for geomicrobiology
8. Geomicrobiology protocols for hydrocarbon biodegradation
9. Synthetic biology tools for geobiotechnology applications
10. Carbon sequestration assessment using microbial activity

Duration: 5, 10, 15, 20, and 30 Days

Note: Please cross confirm whether internship slots for this field are available before joining.

Click Here for Geo Biotechnology Summer Internship Fees

Application Process and Other info