Special Issue

Challenges in Microbial-Mediated Bioremediation

Message from the Guest Editors

Rapid urbanization and industrialization have resulted in the generation and disposal of a wide range of toxic pollutants into the environment, diminishing natural land resources. Therefore, it is critical to ensure the safe utilization of marginal and polluted lands, fulfilling the population's feed and fiber demands by adopting modern techniques, i.e., microbial-mediated bioremediation, to enhance per capita land availability. Microbial-mediated bioremediation is a collective phenomenon that purportedly uses biological processes to restore or clean up contaminants in the environment. Many soil microbes have potential for heavy metal remediation, and their active participation to increase land utilization needs further appraisal.The current Special Issue will provide researchers and environmental professionals with the opportunity to discuss challenges and achievements regarding bioremediation. Laboratory and field studies on bioremediation with novel research outcomes are warmly welcomed. Keywords:
-heavy metals
-microbial bioremediation
-heavy metal tolerant strain
-biofertilizer
-heavy metals translocation
-heavy metal and nitrogen interaction

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