



Microbial Communities in Stressed and Polluted Soils Related to Plant Phylogeny Volume II

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Message from the Guest Editors

Dear colleagues,

A relevant understanding of how microbial communities respond to natural and stressed environments that contain a broad variety of toxic organic and inorganic compounds will substantially expand our knowledge of microbial ecology, evolution, behaviour and conservation. Variation of the microbial community structure in natural or polluted soils is directly related to plant phylogeny. This has implications for plant selection in phytoremediation, as microbial associations may affect the health of introduced plants and the success of co-inoculated microbial strains. An integrated understanding of the relationships between microorganisms and plants will enable the design of treatments that specifically promote effective bioremediating communities.

Research areas of interest to this issue include:

- Microbial interactions and plant phylogeny
- Molecular, genomic, and metagenomic analysis of microbial biodiversity
- Other culture-dependent methods will be considered, if covers significant aspects of plant-microbe interactions
- Microbial and plant ecology in stressed environments
- Phytoremediation





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Message from the Editor-in-Chief

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