

Special Issue

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

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

Guest Editors

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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