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

Guest Editors:

Dr. Saad El-Din Hassan
Botany & Microbiology Department, Faculty of Science, Al-Azhar University, Nasr City, Cairo 11884, Egypt

Prof. Dr. Mohamed Hijri
Institut de Recherche en Biologie Végétale, Département de Sciences Biologiques, Université de Montréal, Montréal, QC, Canada

Dr. Arnab Bhowmik
Department of Natural Resources and Environmental Design, North Carolina A&T State University, Greensboro, NC 27411, USA

Deadline for manuscript submissions:
closed (30 November 2022)

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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Special Issue

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Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB R3T 2N2, Canada

Message from the Editor-in-Chief

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We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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Plants Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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