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Plant Growth—Promoting Bacteria and Plant-Soil Interactions in Harsh Environments, 2nd Edition

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Deadline for manuscript submissions:

30 November 2024

Message from the Guest Editors

Dear Colleagues,

Plant-growth-promoting bacteria (PGPBs) are a diverse group of bacteria which induce beneficial effects in plants, both directly and indirectly. Many bacterial isolates have been characterized and used as inoculants to improve nutrient acquisition and mitigate environmental stress or for the biocontrol of pathogens.

Consequently, we especially welcome works on the following topics:

- Prospection of endophytic/rhizosphere/phyllosphere bacteria with plant-growth potential.
- Exploring the role of PGPBs on wild and cultivated plants.
- Interaction of PGPBs on the microbial communities of their host and soil.
- Validation of bacterial inoculants interacting with plants used in soil rehabilitation.
- Elucidation of new mechanisms of plant growth promotion.

Keywords: plant growth-promoting bacteria; endophytes; environmental stress; nitrogen fixing bacteria; P and K solubilizing bacteria; mechanisms of plant growth; PGPB-plant interaction soil microbial communities; soil rehabilitation; bacterial inoculants and biosafety



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Message from the Editor-in-Chief

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