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Impact of Environmental Stresses on Plant-Soil Responses in Arid Lands

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Message from the Guest Editors

Drylands have enormous scientific and socioeconomic value. Drylands, of which almost 15% are salt-affected, cover 41% of the Earth's surface and are inhabited by 38% of the world's population. Specifically, arid and semiarid landscapes (herein referred to as arid lands) occupy 25.8% of the Earth's land surface and are home to 18.5% of its population. Arid regions contain unique biological and cultural diversity and have been sustaining the livelihoods of dependent communities for generations. However, global awareness of their great value and the efforts required to protect and manage arid regions remained frustratingly low. Plant species in these regions are essential to reducing soil erosion, controlling desertification and land degradation, and sustaining livelihoods. This Special Issue will highlight physio-biochemical responses of plant species in arid lands and plant–soil interactions under different environmental stresses, which could help in designing proper management strategies for improving ecosystem functioning and productivity in the face of climate change.



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Special Issue



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Message from the Editor-in-Chief

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