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Microbial Interactions with Invasive Plant Species

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Message from the Guest Editor

Invasive plant species are threatening natural ecosystems globally, with dire consequences for the biodiversity of these ecosystems and the services they can provide. Microbes are important contributors to ecosystem services, as they are intrinsically linked with plants and nutrient cycling through their roles as decomposers, mutualists, pathogens, and so on. These different roles of microbes are also potential explanations for the success of plant invasions, for example, enemy (pathogen) release hypothesis, accumulation of local pathogens hypothesis, enhanced mutualist hypothesis, and mutualist disruption hypothesis. This Special Issue aims to highlight current knowledge and new research focused on (1) the effects of invasive plant species on microbial diversity, (2) the effects of invasive plant species on functioning of microbes, (3) microbial interactions with both invasive and native plants in invaded ecosystems, or (4) the potential of microbes as bioherbicides in the fight against invasive plant species, or as inoculum to promote native vegetation.

If you have any questions, please feel free to contact (gladys.di@mdpi.com).



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Message from the Editor-in-Chief

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