Special Issue

Microbial Interactions with Invasive Plant Species

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).

Guest Editor

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Deadline for manuscript submissions

closed (15 April 2020)

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Diversity (ISSN 1424-2818) is a scholarly journal that covers all areas of diversity research. Our distinguished editorial board and refereeing process ensures the highest degree of scientific rigor for publishing. Original research articles and timely reviews are released online, with unlimited free access.
We invite papers and reviews on multidisciplinary topics of diversity that bridge organismic diversity (systematics, biodiversity, phylogeny, population genetics, and evolution) and molecular diversity (phytochemistry and biophysics).

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