

Special Issue

Beneficial Microbes for Sustainable Crop Production

Message from the Guest Editors

Microbial communities in cultivated soils are the main drivers of crop success and are responsible for numerous vital ecosystem services. The use of microbial inoculum in cropping systems has long been considered a viable solution to ensure supplementary nutrients, crop protection, biomass decomposition and the stability of soil fluxes. The current Special Issue is focused on beneficial microorganisms used in cropping systems. The main interest is in single microorganism species or microbial consortia that can be used as biofertilizers, plant growth promoters, plant protection agents, organic matter decomposers, bioremediation processes and soil health promoters. In this Special Issue, articles on microorganisms used in cropping systems are welcome. Original studies, perspectives, opinions, hypotheses, reviews, models and methodologies on sustainability and efficiency obtained with the use microorganisms; changes and improvements in biogeochemical cycles; assessments of microbial communities in treated vs. untreated soils; plant–microorganism–soil interactions; and the analysis of microbial functions, suppressive and resilient capacity will be appreciated.

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