

Special Issue

Rhizosphere Microorganisms and Beneficial Interactions with Plants

Message from the Guest Editors

Many soil microorganisms are attracted by root exudates and colonize the rhizosphere, influencing the development of the host plant itself, and other microorganisms are incorporated into the plant to an endophytic lifestyle forming the so-called plant microbiome, which has an essential role in the plant health and homeostasis. Some bacteria and fungi cooperate with the plant by various mechanisms, improve the mineral nutrition of the plant, synthesize phytohormones that influence the phenotypes of the plant or stimulate the ISR or the control of pathogens (competition-inhibition). These beneficial microorganisms of the rhizosphere belong to many different genera and species. With this Special Issue of *Agronomy*, we seek to present recent advances in the study of these interactions, encompassing both genomic analyses of phytobeneficial microorganisms and meta-analyses that attempt to decipher the functioning of the phytobeneficial microbiome in the context of the impacts related to agricultural practices.

Guest Editors

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Deadline for manuscript submissions

closed (25 November 2022)



Agronomy

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Impact Factor 3.4
CiteScore 6.7



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Editor-in-Chief

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