

Special Issue

Effects of Rhizosphere Microorganisms on the Growth of Cereal Crops

Message from the Guest Editors

Shedding light on the multiple functions of rhizosphere microorganisms and clarifying the interaction between rhizosphere microorganisms and crop plants can advance our understanding of ways to manage rhizosphere microorganisms to promote crop growth. Thus, the main scope of this Special Issue includes: (1) the mechanism of crop and rhizosphere microorganisms regulating soil C, N and P cycles, for instance, ways in which rhizosphere microorganisms and crop growth affect greenhouse gas emissions, nutrient leaching, soil carbon sequestration, etc.; (2) how rhizosphere microorganisms regulate physiological processes, root growth, defense strategies and plant–plant interaction of crop; (3) whether rhizosphere microorganisms can be regulated via agronomic management practices and then influence the multifunctionality of agriculture; and (4) how rhizosphere microorganisms respond to abiotic/biotic stress to regulate the nutrient uptake and growth of cereal.

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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