

Special Issue

Crop Microbiome: Structure and Function

Message from the Guest Editors

One of the significant challenges faced by 21st-century agriculture is to sustainably produce increased amounts of healthier food under challenging environmental and sociological conditions. To tackle this growing crisis, increased efforts need to be devoted to understanding the plant microbiome for applications allowing for improved and more sustainable agricultural and horticultural practices. Despite the increasing recognition of the importance of the microbiome for plant growth and health, harnessing its genomic potential as a new platform for improved resilience against stresses of future crop production is a significant challenge. This research topic will highlight the current knowledge on the state-of-the-art in plant-microbiome interactions, as well as their specificity, diversity, and functions. Especially welcome are articles focused on engineering microbiomes with synthetic microbial communities capable of delivering agronomic and environmental solutions for a more sustainable future. Furthermore, all fundamental and applied studies of the management of plant microbiomes for increased plant productivity and climate resilience are encouraged.

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Deadline for manuscript submissions

closed (15 July 2021)

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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