

Special Issue

Grapevine–Cooperation and Struggle with Microbial Residents

Message from the Guest Editors

Grapevine (*Vitis vinifera* L.) is one of the most represented crops worldwide, cultivated in diverse geographic and climate environments and with long history of cultivation and breeding. Accordingly, its economic value has been significant. Viticulture encompasses various interactions of grapevine with its environment and one of the most recent recognized is that with its microbiome. It includes a wide range of hosted microorganisms that may have beneficial, neutral or pathogenic influence to the plant. Due to their widespread occurrence and high diversity as well as developing methodological tools of molecular biology, there is increasing need to evaluate their roles in grapevine health, growth and development. In this special issue we will focus on the various aspects of the grapevine interactions with its microbial residents, primarily phytopathogens (viruses, fungi, and phytoplasmas) and beneficial microorganisms (mycorrhizal fungi, endophytes). Original scientific articles on their diversity, ecology, influence on grapevine physiology, influence on grapevine health, role in adaptation to climate changes and similar are welcome.

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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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