

## Special Issue

# Bioactive Secondary Metabolites, from Fungi Involved in Grapevine Trunk Diseases: Isolation, Characterization and Biological Role

### Message from the Guest Editors

Grapevine Trunk Diseases (GTDs) are considered a serious problem worldwide, causing cankers, dieback and the eventual death of vines. In recent decades, several studies were conducted on the isolation and characterization of phytotoxic secondary metabolites (SMs) produced by pathogens involved in GTDs. When bioassayed, these pathogens showed different degrees of phytotoxicity. Although not all the SMs produced may play a direct role in pathogenicity, these compounds may still play a part in fungal lifestyles and their survival in their ecological niche. The assignment of the chemical structure to bioactive metabolites is fundamental to understanding their function in the fungal chemical ecology. In this framework, the dereplication of already known SMs, by applying metabolomics approaches, can be a valuable tool for speeding up the characterization of secondary metabolites. The objective of this Special Issue of *Plants* is to cover multidisciplinary studies that aim to isolate and characterize bioactive secondary metabolites produced by GTD fungal pathogens.

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### Deadline for manuscript submissions

closed (20 September 2022)



## Plants

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*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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### Editor-in-Chief

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