

Special Issue

Plant Viruses and Viroids: Diagnostics, Epidemiology, and Control in the Context of Global Change

Message from the Guest Editors

Viral and viroidal diseases have gained prominence in plant pathology due to their nature of being “non-treatable”, not as easily eliminated from infected plants as other pathogens, i.e., fungi, bacteria, and responsible for large yield losses for farmers when they are pathogenic. Undoubtedly, identifying and studying the interaction of these pathogens with the host and the environment is now easier than ever before.

Conventional molecular, serological, and biological techniques previously used to approach these agents are now extensively supported by sophisticated technologies, e.g., high-throughput sequencing, nanobodies, and biomolecules, which are revolutionizing the time needed and methods of their identification, characterization, and diagnosis. Understanding the mechanisms of action of the different elicitors involved in the epidemiology of viral and viroidal diseases, in different ecological contexts, becomes fundamental for formulating effective management practices for these pathogens.

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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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