

Special Issue

Advances in Plant Virus Diseases and Virus-Induced Resistance

Message from the Guest Editors

Plants are affected by numerous viruses and viroids linked to the vegetative propagation practices in many cultivated species and the rapid virus transmission by natural vectors. Recently developed biotechnological control tools include the transfer of resistance through grafting, the use of new sources of resistance, and the development of gene silencing strategies through genetic transformation or CRISPR-type gene editing. Furthermore, the application of next-generation sequencing offers new opportunities for the in-depth characterization of viromes from different plant species. In addition, these novel genome editing techniques will contribute to improving our knowledge on virus–host interactions and resistance mechanisms. This global omic perspective will be analyzed and discussed in this Special Issue, which highlights the main implications of this recent development for the analysis of the plant virus diseases and the virus-induced resistance.

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