

Special Issue

Plant Virus Diseases: Update and Perspectives

Message from the Guest Editor

Viral diseases are behind most current epidemics and are challenging to manage. To ensure virus infection in a plant population, viruses modulate the ecosystem that comprises plants, vectors, non-vectors, microbes, etc., to sustain in the environment. Current research shows that viruses can affect the secondary metabolites in plants, including phytohormones that play a critical role in plant-biotic and plant-abiotic interactions. However, critical research gaps remain on how ecology consisting of biotic and abiotic factors influences the viral molecular interactions with the host/vector, which could be engineered to better manage viral diseases and increase the longevity of host resistance in the field conditions. This Special Issue seeks to publish studies on viral proteins and RNA structures that facilitate the establishment of infection in plants, the effect of virus-induced/suppressed secondary metabolites on plant-biotic/abiotic interactions, and the environment-dependent dynamic functionality of viral proteins. All types of articles, such as original research, opinions, and reviews, are welcome.

Guest Editor

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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