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

Dr. Sayanta Bera

Department of Cell Biology and Molecular Genetics, University of Maryland, College Park, MD 20742, USA

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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

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Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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