

Special Issue

High-Throughput Sequencing Applied to Plant Virus and Viroid Detection

Message from the Guest Editors

Plant viruses and viroids are obligate infectious entities that can cause diseases resulting in important yield and quality losses in agriculture. In the absence of antiviral chemicals, prevention based on robust detection methods is a critical component for the management of viral/viroid diseases. In this context, high-throughput-sequence (HTS) technologies, allowing the acquisition of sequence data of any organism present in a given sample in a broad and cost-effective manner, have the indisputable advantage of allowing virus and viroid identification without the need of any a priori information. In this Special Issue of *Plants*, we welcome articles reporting studies based on HTS technologies, including the cutting-edge approaches of single-molecule sequencing, applied to virus and viroid discovery and characterization, as well as metagenomic studies, characterization of mixed infections, and the development of new methods and bioinformatics protocols (i.e., for sample multiplexing and/or surveys). The addition of epidemiological and biological results to HTS data will be considered an asset for publication.

Guest Editors

Dr. Michela Chiumenti

Institute for Sustainable Plant Protection (IPSP), National Research Council (CNR), Via Amendola, 165/A Bari, BA, Italy

Dr. Beatriz Navarro

Institute for Sustainable Plant Protection (IPSP), National Research Council (CNR), Via Amendola, 165/A Bari, BA, Italy

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

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Message from the Editor-in-Chief

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, and 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.

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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