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# **Phytomicrobiome Research for Disease and Pathogen Management**

Guest Editors:

#### Dr. Wen Chen

 Ottawa Research and Development Centre, AAFC, Ottawa, ON K1A 0C6, Canada
Department of Biology, University of Ottawa, Ottawa, ON, Canada

#### **Dr. Adeline Picot**

Laboratoire Universitaire de Biodiversité et Écologie Microbienne, Univ Brest, INRAE, F-29280 Plouzané, France

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#### Message from the Guest Editors

Plant health and productivity require a holistic view and an in-depth understanding of the diversity and functions of microorganisms associated with soil and plants, also known as phytomicrobiome, which include beneficial members that provide critical ecosystem services and pathogens threatening food safety and security. Highthroughput omics tools, ranging from metabarcoding, metagenomics, metatranscriptomics, metaproteomics, to metabolomics. allow identifv bioindicators (microorganisms, genes, and/or molecules) associated with ecosystem functioning, reveal synergisms and antagonisms among community members across kingdoms, and assess the impact of environmental (e.g. climate) and anthropological factors (e.g. agronomic practices).

This special issue looks forward to receiving contributions about

1) phytomicrobiomes, their functions and dynamics in agroecosystems or forests

2) the impact of environmental and anthropogenic factors

3) interactions among community members and, notably, towards phytopathogen communities (e.g. viruses, bacteria, fungi, oomycetes, protozoa, nematodes) or pests.







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### **Editor-in-Chief**

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

#### Message from the Editor-in-Chief

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*Plants* Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/plants plants@mdpi.com X@Plants\_MDPl