Fungal–Plant Interactions: Latest Advances and Prospects

Guest Editors:

Prof. Dr. Ying-Ning Zou
College of Horticulture and Gardening, Yangtze University, Jingzhou 434025, China

Dr. Xianan Xie
College of Forestry and Landscape Architecture, South China Agricultural University, Guangzhou 510642, China

Prof. Dr. Qiang-Sheng Wu
College of Horticulture and Gardening, Yangtze University, Jingzhou 434025, China

Message from the Guest Editors

During the evolution of higher plants, many microorganisms evolve with them together as a synergistic plant–microbe world. Transferring nutrients and signals between two neighboring plants is communicated through mycorrhizal mycelial networks. In woodland, this communicative phenomenon is more evident. On the other hand, there are also harmful pathogenic fungi that infest plants and produce harmful effects; plants themselves are able to activate some resistance in response to fungal invasion.

We invite submissions for a Special Issue of Forests titled "Fungal–Plant Interactions: Latest Advances and Prospects". Topics for submissions may include, but are not be limited to, the following:

How do fungi infect plants and how do plants respond to them?
Advances in mycorrhizal fungal–plant interactions, especially arbuscular mycorrhizal functioning on stress tolerance;
Isolation and effects of endophytic fungi on plants;
Isolation and application of active substances from endophytic fungi;
Rhizospheric soil changes after infection by fungi in plants;
Pathogenic fungi–plant interactions;

Special Issue

Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng
Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa
Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Message from the Editorial Board

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access.

Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.
Journal Rank: JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)

Contact Us