



Forest Tree Diseases Genomics: Growing Resources and Applications

Guest Editors:

Dr. Tingting Dai

Co-Innovation Center for the Sustainable Forestry in Southern China, Nanjing Forestry University, Nanjing 210037, China

Dr. Jiajia Chen

College of Landscape Architecture, Jiangsu Vocational College of Agriculture and Forestry, Zhenjiang 212400, China

Dr. Simon Francis Shamoun

Canadian Forest Service, Pacific Forestry Centre, Natural Resources Canada, Government of Canada, 506 West Burnside Road, Victoria, BC V8Z 1M5, Canada

Deadline for manuscript submissions:

30 September 2024

Message from the Guest Editors

A large number of fungi and oomycetes are of Tree Pathology. On one hand, fungi and oomycetes are among the dominant causal agents of plant diseases; on the other hand, fungi or oomycetes are also biological control agents of pathogens. Our understanding of the diversity, host range and specificity of fungi and oomycetes has improved with the enrichment of knowledge surrounding taxonomy and phylogeny over the years; however, many unknowns remain.

Fungi and oomycetes genomes are easily obtained, and have been used as models for genome evolution and the reconstruction of the phylogenetic relationship using genome-scale data. In these models, groundbreaking comparative genomic studies making use of these features have already been published.

The aim of this research topic is to collect articles focusing on the biodiversity, molecular systematics, and taxonomy of fungi and oomycetes all over the world. Additionally, approaches to the diagnosis of fungal and oomycete plant diseases, including advances in the field of molecular diagnosis of fungi and oomycetes, are welcome. Research involving diagnostic techniques should demonstrate improvements in diagnostic accuracy and time.





an Open Access Journal by MDPI

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

Forests Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/forests
forests@mdpi.com
X@Forests_MDPI