

Special Issue

Forest Tree Diseases Genomics: Growing Resources and Applications

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.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2025)



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Message from the Editor-in-Chief

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.

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