

Special Issue

Recent Scientific Developments in Forest Pathology

Message from the Guest Editor

Plant–pathogenic fungi, phytophthoras, bacteria (including phytoplasmas) and viruses can cause serious plant diseases, affecting natural ecosystems and plant biodiversity. Furthermore, global warming introduces insects and diseases to new geographic locations.

Pathogenic microbes are identified via isolation in vitro and molecular tools (PGR, phylogenetic analysis, ELISA, etc.). Recent scientific developments include metagenomic microbiome investigations via next-generation throughput sequencing and bioinformatics. Furthermore, new environmentally friendly sustainable disease control methods are being developed, including biological control agents (BCAs). However, many pathogens remain understudied, including uncultivable in vitro the Candidatus species in wild forests.

Potential topics include, but are not limited to:

Forest pathology: diseases of forest plants;

Urban forests and diseases;

Forest entomology: insect vectors;

Diseases and forest ecology, management and restoration;

Diseases and climate change impacts, adaptation and mitigation in forests.

Guest Editor

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Deadline for manuscript submissions

10 November 2025



Forests

an Open Access Journal
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Impact Factor 2.5
CiteScore 4.6



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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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