



Biological and Bio-Based Management of Forest Pests and Pathogens

Guest Editors:

Prof. Dr. Julio Javier Diez

Sustainable Forest Management
Research Institute, University of
Valladolid-INIA, Avenida de
Madrid 44, 34071 Palencia, Spain

Dr. Johanna Witzell

Southern Swedish Forest
Research Centre, Swedish
University of Agricultural
Sciences, BOX 49, 23053 Alnarp,
Sweden

Deadline for manuscript
submissions:
closed (31 March 2021)



mdpi.com/si/25344

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to present the recent advances in the development and use of biological control and bio-based measures against forest pest and pathogens. Studies conducted in experimental (laboratory) and authentic environments, as well as theoretical approaches are of interest. Relevant topics include, but are not limited to, the following:

- Characters and potential of living organisms as antagonists or parasitoids against forest pests and pathogens
- Bio-based agents as antimicrobial or tree-defense promoting factors
- Utilization of natural mechanisms and traits in the control and mitigation of forest pest and pathogen impacts
- New and improved diagnosis methods as a part of the management strategies
- Technological advances in the application of biological and bio-based solutions in forest protection
- Economic and impact analyses of sustainable forest protection through biological and bio-based solutions.

Prof. Julio Javier Diez
Assoc. Prof. Johanna Witzell
Guest Editors

Special Issue



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