

## Special Issue

# Monitoring and Control of Forest Pests

### Message from the Guest Editors

Herbivorous species have shaped the structure and dynamics of forest communities for centuries. They play an important role in biogeochemical cycles and the food web. On the other hand, forest pests contribute to significant losses in forest management. They reduce timber production, sometimes cause widespread stand collapse, and have a negative impact on ecosystem services. As a result of climate change, pest outbreaks are becoming more frequent and intense. Pest management should safeguard the productive functions of forests and minimize impacts on biodiversity. Controlling forest pests means interfering with the delicate self-regulating mechanisms of ecosystems, and therefore requires continuous research into methods of pest prevention and control, as well as methods of monitoring population dynamics and predicting future outbreaks. The aim of this Special Issue is to present studies on forest pests and their interactions with the forest and social environment, their impact on the economy, and advances in methods for monitoring population dynamics and controlling their abundance, thus minimizing economic losses and increasing the resilience of forest ecosystems.

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### Guest Editors

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Dr. Alvaro Fuentealba

Dr. Teresa Vasconcelos

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### Deadline for manuscript submissions

25 September 2025



## Forests

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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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### Editor-in-Chief

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