

## Special Issue

# The Forest Microbiome and Climate Change

### Message from the Guest Editors

Forests are diverse ecosystems that offer a wide range of services. In addition to the well-known roles of providing wood, energy, food, and recreational spaces, they are also crucial in terms of soil-related services. These include storing carbon, regulating gas emissions, and keeping biogeochemical cycles in check. However, these soil-related functions are sometimes overlooked or underestimated. Forests play a central role in mitigating climate change; however, these complex ecosystems face challenges such as rising carbon dioxide levels, increasing temperatures, prolonged droughts, wildfires, disease outbreaks and persistent nitrogen deposition. The future of forests depends primarily on the performance and balance of various microbial communities. These include mostly symbiotic bacterial and fungal communities, as well as plant pathogenic microorganisms. A better understanding of the interactions between plants and microorganisms is crucial for predicting forest dynamics and formulating effective management strategies that strengthen ecosystem stability and mitigate the negative impacts of climate change.

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### Guest Editors

Dr. José Gonçalves

Marine and Environmental Sciences Centre, Department of Environmental Sciences and Engineering, Nova School of Science and Technology, NOVA University Lisbon, Lisbon, Portugal

Dr. Davor Kržišnik

1. Department of Wood Science and Technology, Biotechnical Faculty, University of Ljubljana, Jamnikarjeva 101, 1000 Ljubljana, Slovenia

2. NOVA School of Science and Technology, MARE—Marine and Environmental Sciences Centre, NOVA University Lisbon, Caparica, Portugal

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### Deadline for manuscript submissions

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## Forests

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[forests@mdpi.com](mailto:forests@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia,  
I-25121 Brescia, Italy

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