

## Special Issue

# Erosion and Forests: Drivers, Impacts, and Management

### Message from the Guest Editors

Forests play a crucial role in stabilizing slopes by preventing soil erosion, regulating the water cycle, and enhancing soil structure. Land degradation, deforestation, natural disturbances, and climate changes are increasing forest destabilization and, in some cases, the complete removal of the forest cover. These phenomena consequently lead to erosion processes, such as soil losses, reduced water quality, increase in sediment production and large wood delivery to the channel network, and biodiversity decline. This Special Issue invites original research and review articles on the causes, impacts, and rehabilitation of forest-related erosion. Studies on the effects of deforestation, land-use change, natural disturbances, and extreme weather events on erosion dynamics and the modelling of sediment fluxes and large wood recruitment, considering in-channel and/or slope processes. Key topics:

- Mechanisms and drivers of forest erosion;
- Impacts of climate change on erosion in forested landscapes;
- Remote sensing and modeling approaches for predicting and assessing erosion;
- Sustainable forestry practices for preventing erosion;
- Case studies on successful restoration strategies.

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### Guest Editors

Dr. Tommaso Baggio

Dr. Giacomo Pellegrini

Dr. Lorenzo Picco

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### Deadline for manuscript submissions

28 February 2026



## Forests

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*Forests*  
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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## About the Journal

### 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

Prof. Dr. Giacomo Alessandro Gerosa

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

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