

Special Issue

Advances in Forest Carbon Sequestration and Emission Reduction Potential

Message from the Guest Editors

This Special Issue aims to give an overview of the most recent advances in the field of forest soil carbon sequestration and reductions in GHGs emissions in diverse areas. Potential topics include, but are not limited to, the following:

- Forest CO₂, CH₄, and N₂O emissions;
- Forest soil carbon sequestration;
- Soil organic carbon dynamics in forests/agroforests;
- GHGs emission or carbon stock change during the restoration of degraded ecosystems;
- Response of forest health/structure to warming/global change;
- C/N cycles under forestation or deforestation;
- Future perspectives for forest carbon sequestration;
- Advances in forest soil emission reduction.

Guest Editors

Dr. Jian Xiang

Dr. Tiehu He

Dr. Gang Liu

Deadline for manuscript submissions

closed (31 December 2025)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/195079

Forests
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
forests@mdpi.com

[mdpi.com/journal/
forests](https://mdpi.com/journal/forests)





Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



[mdpi.com/journal/
forests](https://mdpi.com/journal/forests)



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.

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank:

JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).