

Special Issue

Forest Vegetation–Atmosphere Interactions and Air Quality

Message from the Guest Editors

Forest ecosystems play a key role in maintaining atmospheric balance and improving air quality by storing carbon, pollutants retention and influencing climate processes. At the same time, they are increasingly exposed to the effects of air pollution, climate variability and extreme events, factors that can affect vegetation health, the adaptive capacity of ecosystems and complex relationships between vegetation and the atmosphere. Recent developments in environmental monitoring, remote sensing, atmospheric modelling and ecological assessment have contributed significantly to the understanding of the complex interactions between forest vegetation and atmospheric processes. However, aspects related to the natural effects of air pollution on forests, emissions from vegetation, the role of urban and peri-urban forests in improving air quality and vegetation–atmosphere interactions in the context of climate change require further investigation.

Topics may include the effects of air pollution on forests, forest ecosystem services, biomonitoring, urban forestry, remote sensing applications, ecosystem management, and sustainable environmental strategies.

Guest Editors

Dr. Romana Drasovean

Faculty of Sciences and Environment, “Dunarea de Jos” University,
800008 Galati, Romania

Dr. Vlad Crişan

1. National Institute for Research and Development in Forestry “Marin Dracea”, 077190 Voluntari, Romania

2. Faculty of Product Design and Environment, Transilvania University of
Brasov, 500036 Brasov, Romania

Deadline for manuscript submissions

30 January 2027



Forests

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 5.4



mdpi.com/si/282807

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 3.1
CiteScore 5.4



[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 17.3 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2026).