

Special Issue

Nature-Based Solutions for Climate and Environmental Change

Message from the Guest Editors

The climate crisis and human pressures have triggered significant environmental changes, causing considerable risks to the health of ecosystems and people. Population growth and related effects, such as land consumption and alteration of ecological processes, demand reconsidering the planning and management of natural capital. Nature-based solutions (NbS) such as green (e.g., green walls and roofs, urban trees and parks) and natural infrastructures (e.g., forests, floodplains, wetlands) can increase resilience to climate impacts (i.e., heat waves, stormwater management), improve environmental quality (i.e., biodiversity, air pollution removal, soil remediation), and provide multiple other ecosystem services for society (e.g., physical and mental health). This Special Issue aims to provide an overview of nature-based solution applications to address climate and environmental change mitigation and adaptation. The purpose is to supply selected contributions on the management of natural capital and the evaluation of multifunctional ecosystem services, also considering possible trade-offs in the light of global changes.

Guest Editors

Dr. Mattias Gaglio

Department of Environmental and Prevention Sciences, University of Ferrara, Via Borsari 46, 44121 Ferrara, Italy

Dr. Rocco Pace

Institute for Renewable Energy, Eurac Research, Via A. Volta 13/A, 39100 Bolzano, Italy

Deadline for manuscript submissions

closed (23 March 2023)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/129845

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).