

Special Issue

Ecosystem Services of Urban Forests—2nd Edition

Message from the Guest Editors

Urban forests, and urban vegetation more generally, offer multiple resources and environmental benefits to society, and trees are regarded as the key elements of urban green infrastructure, as they have the largest effect on urban ecosystems. The functions and services they provide, such as air quality improvement, carbon sequestration, temperature reduction, etc., are directly influenced by the composition of species, the number and locations of the trees themselves, their biological properties, their adaptive mechanisms, and so forth. The first step in improving the management of urban green spaces and in enhancing their potential for ecosystem services is, therefore, to evaluate the current structure and benefits of urban forests. This Special Issue plans to provide an overview of the most recent advances in the field of ecosystem service assessment in urban areas, with a focus on urban trees and urban vegetation, as well as their valorization. Including but not limited to:

- Air pollutant removal;
- Carbon sequestration;
- Microclimate regulation;
- Temperature reduction;
- Biodiversity support;
- Pollinator support;
- Disservices of urban trees (pollens, volatile compounds, etc.).

Guest Editors

Dr. Slaveya Petrova

1. Department of Ecology and Environmental Conservation, Faculty of Biology, Plovdiv University "Paisii Hilendarski", 4000 Plovdiv, Bulgaria
2. Department of Microbiology and Ecological Biotechnologies, Faculty of Plant Protection and Agroecology, Agricultural University, 4000 Plovdiv, Bulgaria

Dr. Bogdan Nikolov

Department of Ecology and Environmental Conservation, Faculty of Biology, Plovdiv University "Paisii Hilendarski", 4000 Plovdiv, Bulgaria

Deadline for manuscript submissions

31 March 2026



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/249081

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 17.1 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).