

# Special Issue

## Ecosystem Services of Urban Forest

### Message from the Guest Editors

Urban forests and urban vegetation as a whole generally offer multiple resources and environmental benefits to society. 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 location of trees, their biological properties, their adaptive mechanisms, and so on. Therefore, the first step in improving the management of urban green spaces and to enhance their potential for ecosystem services is to evaluate the current structure and benefits of urban forests. This Special Issue plans to give an overview of the most recent advances in the field of ecosystem services assessment in urban areas, with a focus on urban trees and urban vegetation, as well as their valorization. Potential topics include, but are not limited to, the following:

- Air pollutants removal;
- Carbon sequestration;
- Microclimate regulation;
- Temperature reduction;
- Biodiversity support;
- Pollinators 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

closed (30 July 2025)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/208212](https://mdpi.com/si/208212)

*Forests*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[forests@mdpi.com](mailto: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).