

Special Issue

Nature-Based Solutions in Urban Forestry Planning and Management

Message from the Guest Editor

Urban forests are considered among the most efficient nature-based solutions (NBS) for a sustainable management of the environment particularly in urban areas. NBS represent an important tool to face social-environmental challenges like global change, hydrogeological risk, water pollution, and food and human safety.

Urban forestry is also strictly related to the concept of green infrastructure (GI), which represents an important application of NBS promoting a sustainable development and a resilient planning in urban environment. GI includes all technologies and best practices based on the use of vegetation systems in order to provide environmental benefits and a better quality of life.

In the meantime, urban plants and trees are subjected to multiple stress factors, which in some cases simulate climate change factors or can be totally specific. This is inducing adaptation mechanisms in urban plants and trees, which can in turn affect their mitigation capacity.

In this context, scientific research has the occasion to provide social, economic, and innovative solutions to face the new urban needs representing important economic benefits.

Guest Editor

Dr. Carlo Calfapietra

Institute of Research on Terrestrial Ecosystems (IRET), National Research Council (CNR), Via Marconi 2, 05010 Porano (TR), Italy

Deadline for manuscript submissions

closed (20 April 2021)



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/34366

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).