



Remote Sensing of Urban Forests and Landscape Ecology

Guest Editors:

Dr. Ivan Pilaš

Division for Forest Ecology,
Croatian Forest Research
Institute, 10000 Zagreb, Croatia

Dr. Mateo Gašparović

Faculty of Geodesy, University of
Zagreb, 10000 Zagreb, Croatia

Dr. Damir Klobučar

Croatian Forests Ltd., Ivana
Meštrovića 28, 48000 Koprivnica,
Croatia

Deadline for manuscript
submissions:

closed (1 January 2024)

Message from the Guest Editors

The main objective of this Special Issue is to provide a comprehensive overview of state-of-the-art remote sensing (RS) applications, aiming to enhance the management practices of urban forests. It will mainly focus on the high-precision mapping of urban forests and their relationship with the ecological functions and services that they provide in the urban environment.

The SI is devoted to:

- Research related to improvements in the current high-precision mapping of urban forest structures up to the tree species level, using RS.
- Novel applications, including the mapping of allergenic tree species or specific ecosystem services, are highly encouraged.
- Research based on RS and external data sources related to a better quantification of the role of the urban forest in the improvement of urban, environmental and social conditions in terms of air pollution, urban flooding and heat reduction, biodiversity and social wellbeing.
- Novel approaches to the analysis of urban landscape patterns and their interactions between ecosystems and ecological processes using a state-of-the-art inferential statistical analysis, spatio-temporal statistics, or predictive modeling.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank: JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)

Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)