

Special Issue

Urban Forestry Dynamics: Management and Mechanization

Message from the Guest Editors

With ongoing rapid global urbanization, urban forests have come to play a key role in mitigating climate change, enhancing biodiversity, improving the urban environment, and promoting human well-being. Implementing a modern and innovative management approach to improving the characteristics, health, and functions of urban forests, as well as their impacts and associated management costs, has become essential.

The goal of this Special Issue is to gather together papers that provide key insights into the intricate relationships between urban forests, planning, mechanization, operations, benefits, and impacts (i.e., impacts on soils or environmental impact), in the context of continual urbanization.

This Special Issue welcomes manuscripts that link the following themes:

- Urban forest management;
- Mechanization and operations;
- Impact of mechanization and operations;
- Planning of urban forests;
- Visual and instrumental assessment technologies;
- Management techniques and their benefits and impacts on the environment;
- New technologies in precision urban forestry.

Guest Editors

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Dr. Marcello Biocca
Dr. Valerio Di Stefano

Deadline for manuscript submissions

closed (28 February 2026)



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About the Journal

Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant Impact Factor, and has a goal to become the best journal in land in the coming years.

Editor-in-Chief

Prof. Dr. Christine Fürst
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