

## Special Issue

# Forest 4.0: Advancements and Challenges in Digital Technologies for Sustainable Forest Management

### Message from the Guest Editors

Forest 4.0 refers to the integration of advanced digital technologies into forest management practices. The Special Issue aims to bring together researchers, policymakers, and practitioners from the forestry and technology sectors to share their insights, experiences, and best practices in the integration of digital technologies into forest management practices. Topics of interest may include, but are not limited to:

- Advanced digital technologies for forest monitoring and management;
- Blockchain and IoT applications for traceability and supply chain management in the forest industry;
- Big data analytics for optimizing forest harvesting, transportation, and resource utilization;
- Precision forestry solutions for forest mapping, inventory, and decision-making;
- Climate change mitigation and adaptation strategies for sustainable forest management;
- Building frameworks for forest (sector) modelling;
- Challenges and opportunities in the integration of digital technologies into forest management practices;
- STEEP (Social, Technological, Economic, Environmental, and Political) impacts of Forest 4.0;
- Best practices and case studies in the implementation of Forest 4.0.

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### Guest Editors

Prof. Dr. Robertas Damaševičius

Prof. Dr. Gintautas Mozgeris

Dr. Rytis Maskeliunas

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### Deadline for manuscript submissions

closed (9 January 2024)



## Forests

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## 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.

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### Editor-in-Chief

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