



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

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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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Message from the Editorial Board

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