

Special Issue

Forestry 3D Sensing: Multi-Platform LiDAR Techniques, Canopy Modeling, and Growth Dynamics

Message from the Guest Editors

The scope of this Special Issue includes, but is not limited to, the following topics:

- Applications of multi-platform LiDAR to map forest structures (e.g., canopy height, crown volume, gap fraction, understory complexity) across diverse forest types (temperate, tropical, boreal, agroforestry).
- Canopy modeling applications, such as linking 3D structural traits to ecological functions (e.g., light interception, carbon sequestration, biodiversity habitat, carbon storage, pollinator habitat, flood mitigation).
- Growth dynamics applications, including monitoring intra-annual and long-term tree/stand growth, as well as quantifying responses to climate, human activities, pollution, disturbance (e.g., fire, pests), or management (e.g., thinning, restoration).
- Practical use cases for 3D data in forest inventory, carbon accounting, biodiversity assessment, and adaptive management.

Guest Editors

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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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