

## Special Issue

# Challenges and Prospects of Remote Sensing Application for Forest Resources Management

### Message from the Guest Editor

This Special Issue aims to explore the innovative applications and emerging challenges of remote sensing in forest resources management. Forests play a pivotal role in maintaining ecological balance, supporting biodiversity, and mitigating climate change. However, the effective management of forest resources is becoming increasingly complex due to global changes, such as deforestation, climate variability, and resource exploitation. Remote sensing technologies offer significant potential to address these challenges by providing scalable, cost-effective, and detailed spatial and temporal data. Contributions are invited on topics including, but not limited to, forest mapping, biomass estimation, carbon stock assessments, monitoring forest health, and integrating remote sensing with machine learning and geospatial analytics for decision support. This Special Issue will also explore the limitations and opportunities for enhancing the utility of remote sensing tools in operational forest management.

### Guest Editor

Dr. Saverio Francini

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### Deadline for manuscript submissions

closed (31 May 2025)



## Forests

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### 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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