

Special Issue

Climate-Smart Forestry: Forest Monitoring in a Multi-Sensor Approach

Message from the Guest Editors

Traditional forestry development and forest management face some challenges, such as extensive management and low resource utilization due to the lack of efficient information acquisition. With the development of information technology, a possibility emerges for the real-time monitoring and digital management of forestry. What could the future of smart forests look like? How can we harness these technologies to address pressing challenges like climate change, biodiversity loss, and illegal logging? With this Special Issue, we compile research papers which use data from different sensors, platforms (satellite, airplane, unmanned aerial vehicle (UAVs)), 2D or 3D data, images or point clouds, optical or SAR/LiDAR data, and different spectral resolutions to address various aspects of forest monitoring: forest structure characterization, biomass/carbon sequestration estimations, fire extension and severity mapping, ecosystem recovery/degradation, forest health monitoring, invasive species mapping, early warning systems, and applications at various spatial or temporal scales.

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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