

Special Issue

Remote Sensing Monitoring and Analysis of Forest Structure and Function in Relation to Climate Regulation

Message from the Guest Editors

This Special Issue highlights cutting-edge advancements in spaceborne and airborne remote sensing technologies, including lidar, radar, multispectral, and hyperspectral imaging and their applications in gathering data on these parameters to provide critical insights into forest resilience, productivity, and responses to environmental changes, supporting informed management and conservation strategies related to climate regulation. By integrating machine learning, big data analytics, and multi-source satellite observations, this collection of articles addresses testimonies, opportunities, and pressing challenges in monitoring forest structure and function relative to climate regulation, offering innovative solutions for sustainable forest management and conservation. We invite contributions that explore novel methodologies, case studies, and future directions in monitoring static and dynamic forest structure, with an emphasis on improving our understanding of the functions of forests in relation to climate regulation.

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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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