Special Issue

Forest Inventory Monitoring Based on Remote Sensing

Message from the Guest Editors

Integrating remote sensing technology with forest inventory monitoring represents a cutting-edge and effective approach to understanding and managing forest ecosystems. With leveraging tools like satellites, drones, and LiDAR (Light Detection and Ranging) systems, remote sensing enables the acquisition of invaluable data on diverse forest attributes, including tree species, density, height, and health. Remote sensing not only streamlines the traditionally labor-intensive forest inventory process but also provides invaluable real-time insights into dynamic changes in forest cover, biodiversity, and carbon sequestration levels. It further empowers us to monitor and respond to disturbances such as wildfires, insect infestations, and deforestation promptly. This Special Issue aims to encompass a wide range of remote sensing applications in forest inventory monitoring, showcase how this technology can substantially enhance our understanding and management of forest ecosystems, and foster more effective conservation efforts and sustainable practices.

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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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