Special Issue

Modeling and Remote Sensing of Forests Ecosystem

Message from the Guest Editors

Forests cover around one-third of the global land surface, store about half of the terrestrial carbon and are the dominating contributors of terrestrial net primary production. Over the last several decades, satellite records have offered the potential to monitor forest changes by combining diverse remote sensing sources including optical, synthetic aperture radar (SAR), light detection and ranging (LiDAR), and microwave sensors. Remote sensing data from different sources and with various land surface process models could provide better spatial coverage with high resolution, and are available for long-term time series, which can enable the effective global mapping and monitoring of forest trends. This Special Issue covers potential topics including but not limited to:

- Response of forest dynamics to anthropogenic activities and climate change;
- Time-series change detection and trend analysis of forest ecosystems;
- The impacts of climate extremes (e.g., drought, wetness) on the forest ecosystem;
- Monitoring of forest biomass and carbon dynamics;
- Mapping of forest structure parameters.

Guest Editors

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Deadline for manuscript submissions

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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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