Special Issue

Image Processing for Forest Characterization

Message from the Guest Editors

Effective strategies for forest characterization and monitoring are important for supporting sustainable forest management. Recent advances in remote sensing provide valuable information to describe forests at stand, plot, and tree level. In particular, time series remotely sensed data have been considered to be an effective spatial detection tool for obtaining long-term forest characterization at different scales. Optical imagery contains meaningful spectral, textures, spatial features of forests. Radar data have been shown to be beneficial for monitoring forests in cloudy and rainy tropical or sub-tropical areas, while LiDAR data offer alternatives for analyzing structural properties of canopies. This Special Issue welcomes studies about some new insights, novel approaches or findings in forest cover change detection, forest structural parameters modeling, forest biomass, and carbon evaluation. We are also inviting articles that examine following general themes:

- Big data and deep learning-based forestry application;
- Forest fragmentation;
- Forest disturbance (e.g., fire, insect disease, logging) mapping;
- Landscape dynamics;
- Forest and climate.

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Deadline for manuscript submissions

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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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