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Mapping and Monitoring Forest Cover

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Message from the Guest Editor

Forests cover over 30 percent of our planet and are very important for a variety of reasons. Our ability to map and monitor forests has never been more critical. Remote sensing and geospatial analysis provide many cutting-edge techniques for studying forest. Unmanned aerial systems (UAS) have provided previously unavailable local imagery. Lidar, hyperspectral, and higher spatial resolution multispectral imagery offers unlimited opportunities. Freely available imagery (Landsat, Sentinel, and others) provides a multi-temporal analysis that was not previously possible.

This Special Issue is dedicated to advances in mapping and monitoring forests. Papers should include aspects of forest structure, type, and health for both local and global scales. Methods and applications of forest cover are also very relevant. Techniques that show efficiencies gained for mapping and monitoring the forest from remote sensing and geospatial analysis are also welcome. Finally, the use of cloud computing has dramatically increased our ability to process imagery and conduct analysis. Papers demonstrating novel applications of these techniques applied to forests would be appropriate for the Special Issue.



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Special Issue



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