

## Special Issue

# Advances in Remote Sensing and GIS Utilization in Monitoring of Forest Ecosystems

### Message from the Guest Editors

Global forests lost 28.3 million hectares in 2023 and continue to be threatened by substantial natural and human disturbances. In the temporal dimension (recent decades or even recent centuries), we could witness the spatial-temporal forest change that includes carbon storage change, forest landscape change, and forest diversity change and explore its possible drivers. In the spatial dimension, we expect to detect extreme events (deforestation, forest fire, forest insects, forest drought, and other forest disturbances) and collect new forest ecological data (tree canopy height, forest aboveground biomass, and forest soil biochemistry) for management and planning. Remote sensing (RS) and geographic information systems (GISs) are cost-effective tools to monitor forest change in the long term and detect extreme events on a large spatial scale, which could be very helpful for forest management and planning. Novel applications with remote sensing and GIS could be entire new methods such as advanced techniques (deep learning or machine learning) or high-quality sensors. They could also be updated versions of classical techniques/sensor applications.

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### Guest Editors

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### Deadline for manuscript submissions

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## Forests

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