Special Issue

Using Remote Sensing to Assess and Monitor Changes in Forest Ecosystems

Message from the Guest Editor

The ongoing progress on remote sensing applications and earth observation science and products allow us to better capture nature characteristics, map and model all types of ecosystems and identify changes in spatial and temporal terms. Numerous satellite missions are already in action, while others are ready to be launched to monitor the earth's surface and provide detailed information for different aspects of our planet, including emissions, land use change, climate data, spatial patterns and trends. Additionally, the use of UAVs and AI-driven software makes it possible to capture, map, model and interpret attributes in unprecedented detail. However, the potential of remote sensing and earth observation data to capture ecosystem attributes at the finest possible scale is not yet met, thus limiting the capacity of decision and policy makers to the detail level available, affecting conservation strategies and management. Woodland and forests are one of the most studied ecosystem types, in terms of extent, condition and changes, as well as in terms of biodiversity, productivity and climate change mitigation.

Guest Editor

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Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant Impact Factor, and has a goal to become the best journal in land in the coming years.

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