Special Issue

Advances in Remote Sensing for Monitoring and Characterising Vegetation Responses to Changing and Extreme Climatic Conditions

Message from the Guest Editors

Vegetation cover plays an essential ecological role in energy exchange and the material cycle. Unfortunately, climate extremes and climate change increase stressors that weaken plant resilience, disrupting forest structure and ecosystem services. The negative consequences of natural hazards associated with climate extremes, such as rising temperatures, wildfires, invasive pest outbreaks, and the loss and degradation of vegetation species and communities in various ecosystems and biodiversity. Thus, understanding the interdependence between extreme climate threats and vegetation dynamics and their response is needed to examine the mechanism of the climate–vegetation system and develop an effective management programme towards ecological conservation and targeted restoration policies for land use planning and environmental management. This Special Issue (SI) aims to bring together multidisciplinary scientists and specialists to develop Earth observation approaches that can improve our understanding of the impacts of climate extremes and change on vegetation ecosystems and therefore contribute to ecological sustainability management.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2023)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/151849

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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