

Special Issue

Forest Ecosystems Under Climate Pressure: Protection, Fire Management and Socio-Economic Dimensions

Message from the Guest Editors

Forests play a critical role in maintaining ecological balance, acting as carbon sinks, preserving biodiversity, and supporting the livelihoods of millions of people worldwide. However, the accelerating impacts of climate change are placing unprecedented pressure on these ecosystems. Rising global temperatures, altered precipitation patterns, prolonged droughts, and an increase in extreme weather events are disrupting forest dynamics, leading to habitat degradation, species loss, and increased vulnerability to disturbances such as wildfires and pest outbreaks. Beyond ecological concerns, forests hold immense socio-economic significance. Policies that balance economic development with sustainable forest use can enhance resilience and mitigate the negative impacts of climate change on both ecosystems and human populations. This Special Issue seeks to address these pressing challenges by bringing together cutting-edge research on forest protection strategies, adaptive fire management, and the socio-economic implications of forest conservation. We aim to advance scientific understanding and inform policies that enhance the resilience of forest ecosystems in a rapidly changing climate.

Guest Editors

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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