

## Special Issue

# Climate and Human-Driven Impacts on Tropical Rainforests

### Message from the Guest Editors

Tropical rainforests are a treasure trove of biodiversity. However, intensifying anthropic pressure and associated land cover changes have led to large-scale forest loss. These rainforests influence the terrestrial climate system through exchanges of energy, carbon dioxide, and water between the earth's surface and the atmosphere. In addition to providing water vapor to the environment through evapotranspiration, influencing general circulation in the tropics, and contributing to regional precipitation, tropical rainforests play an important role in the global carbon cycle. Climate-change-induced increases in temperature and reductions in precipitation are triggering forest degradation, with some parts of tropical rainforests already becoming a carbon source. Additionally, climate extremes are also impacting these forests, which are losing resilience. To develop a comprehensive understanding of the complex forest–climate extremes interactions, it is necessary to focus on different processes affecting biodiversity loss and ecosystem services. We look forward to receiving all aspects of your contributions to our joint Special Issue in *Climate* and *Fire*.

### Guest Editors

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et al.

### Deadline for manuscript submissions

closed (28 February 2025)



## Fire

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## About the Journal

### Message from the Editor-in-Chief

*Fire* is an international open-access journal about the science, policy, and technology of fires and how they interact with communities and the environment. *Fire* seeks to provide a forum to help the fire science community convey how we can live with fire in a changing world. *Fire* seeks submissions from interdisciplinary studies that take a pyrogeography perspective of fires occurring in natural, cultural, and industrial landscapes and how they interact with communities in the science-policy interface. *Fire's* Editorial Board are widely recognized international leaders. The journal emphasizes quality and innovation and has a rigorous peer-review process. I strongly recommend *Fire* for the rapid publication of your innovative research publications and case studies.

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### Editor-in-Chief

Dr. Grant Williamson

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