

## Special Issue

# Advances in Incorporating Fire in Social-Ecological Models, Second Edition

### Message from the Guest Editor

Wildfire is a systemic phenomenon that is evolving, influencing, and differing in importance and severity to humans, their culture, and the technosphere. Under incumbent planetary and climate change transition scenarios, particular drivers determine different aspects of wildfire events as a physical phenomenon, as a regime, and as a risk and hazard. This SI aims to explore the following:

- Ecological and biophysical models of wildfire effects in fire-prone ecosystems: are they adaptable to changing biospheric conditions?
- Effects and impacts upon biodiversity and ecosystem and services: physical, social and economic valuation.
- Time series analysis of fire events and forecasting of mega-fires under climate transition.
- Modeling wildfire behavior and dynamics: evolving targets for the technology of fire prediction, detection, and suppression.
- Wildfire: risks and hazards in the urban-wild interface.
- Wildfire: civil society and citizen science and new data sources for modeling response strategies.

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### Guest Editor

Prof. Dr. Andreas Troumbis  
Department of Environment, University of the Aegean, Mytilene, Greece

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### Deadline for manuscript submissions

closed (15 January 2026)



## 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  
School of Biological Sciences, University of Tasmania, Private Bag 55,  
Hobart, TAS 7001, Australia

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