

## Special Issue

# Land-Atmosphere Interactions Under Fire Regimes: From Surface Disturbances to Climate Feedbacks

### Message from the Guest Editor

Wildfires are persistent natural disasters and major sources of greenhouse gases and pollutants, posing significant risks to both climate and human health. The aim of this Special Issue is to highlight the critical role of fire in the Earth system. We welcome manuscripts that explore various aspects of land-atmosphere interactions related to wildfires. Suggested themes include, but are not limited to, the following:

- Advances in representing fire processes in Earth system models and chemistry-climate models;
- Feedbacks between land ecosystems and wildfires under climate change;
- Environmental impacts of fire-induced ecosystem disturbances;
- Evaluation of the climate effects of wildfires across all relevant forcings.

### Guest Editor

Dr. Junri Zhao

Graduate School of Environmental Studies, Department of Earth and Environmental Sciences Climate Science, Nagoya University, Nagoya, Japan

### Deadline for manuscript submissions

31 March 2026



## Climate

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*Climate*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[climate@mdpi.com](mailto:climate@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

Dr. Timothy G. F. Kittel  
Institute of Arctic and Alpine Research, University of Colorado Boulder,  
Boulder, CO 80309-0450, USA

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