

## Special Issue

# Fire Growth and Material Flammability

### Message from the Guest Editors

We invite novel papers to address important and pending issues in Fire research and Applications encompassing the relation and importance of flammability properties to fire growth. To focus this special issue, we would welcome experimental, analytical and numerical papers that address the following phenomena and processes:

- Enclosure fires in cubic-like geometries in underventilated conditions.
- Longitudinal solid conduction in lateral flame spread. Is it important?
- Merging flames and heat fluxes: new models and insights using potential theories.
- Soot and radiation scaling in zero-gravity laminar flows.
- Wind effects in pool fires: which relations are correct?
- Ignition and extinction of solids related to flame spread.
- Required flammability properties for lateral flame spread.
- Transient burning of droplets.
- Critical heat release rates and flame heights for flames emerging from enclosures.

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### Guest Editors

Prof. Dr. Michael Delichatsios  
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Dr. Jianping Zhang  
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### Deadline for manuscript submissions

closed (31 January 2023)



## 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,  
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