



fire



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Fire Growth and Material Flammability

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Deadline for manuscript
submissions:

closed (31 January 2023)

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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Special Issue