

Special Issue

Pyrolysis, Ignition, Combustion and Fire Spread of Combustible Materials

Message from the Guest Editors

to achieve building energy efficiency, comfort, aesthetics, etc., a variety of exterior thermal and interior decorative materials are widely used in buildings.

However, most of these exterior thermal and interior decorative materials are flammable, which has resulted in the occurrence of numerous fires and caused a large number of casualties and property damage in recent decades. The Special Issue focuses on the pyrolysis, ignition, combustion and fire spread of these diverse and complex combustibles. This issue aims to provide a forum to discuss the research advances in the pyrolysis, ignition, combustion and fire spread of combustible materials, including experiments, simulations, novel technology studies, etc. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Multi-scale fire tests;
- Ignition of combustible material;
- Pyrolysis model of combustible material;
- Combustion and fire spread;
- Thermal response of combustible material;
- Fire risk assessment and safety design;
- Building fire dynamics;
- Fire safety protection and optimization.

We look forward to receiving your contributions.

Guest Editors

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Editor-in-Chief

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