



Fire Behavior of Flame-Retardant Polymers

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Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editor

Flame-retardant polymers have already been popularly used in buildings, factories, vehicles, and other places. In past decades, various flame-retardant additives and other technologies have been invented and utilized to reduce the flammability of polymers. In the field of fire safety engineering, both the design of new fire test standards and burning mechanism modeling are necessary and important for developing better flame-retardant polymers.

The detailed ignition criterion and flame spread mechanism is one of the most challenging topics for new flame-retardant polymers. This Special Issue will publish new works about the pyrolysis, ignition, burning, and flame spread of flame-retardant polymers, including new findings based on standard or non-standard fire test devices, detailed heat and mass transfer mechanism of flame-retardant polymers in a fire scenario, and other new works about their fire safety analyses.





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Message from the Editor-in-Chief

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