



## Advance in Polymer-Based Flame Retardant Materials

Guest Editors:

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Deadline for manuscript  
submissions:

**closed (5 July 2023)**

### Message from the Guest Editors

Dear Colleagues,

Multifunctional polymers and high-performance building materials such as thermal insulations (PU, EPS) are widely applied in modern infrastructures. This ranges from urban areas (e.g., high-rise, metro, residential and commercial) to rural areas (e.g., mining, energy storage, marine industries). Nonetheless, fire incidents caused by these highly flammable polymers have increased dramatically over the last decade. While fire retardants and fire protection systems can be utilised, the amount of fire toxicity/smoke and halogenated compound emissions are often overlooked. This Special Issues aims to investigate the state of the art and further perspectives of upcoming advanced fire retardant materials, as well as recent developments in multi-scale fire modelling approaches.

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*Guest Editors*





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