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Recent Developments in Flame Retardant Materials

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Message from the Guest Editors

Dear Colleagues,

The inherent flammability of combustible materials, which have been widely used in construction, transportation, and household products, poses a significant threat to our society. The incorporation of flame retardants to these combustible solids provides an effective solution to this problem. Currently, various flame retardant formulations are being developed and used in clothing, firefighting, military defense, petrochemicals and other fields, including phosphorus, nitrogen, silicon, boron and metal hydroxide-containing flame retardant materials.

In this Special Issue, both original articles and reviews are welcome. Topics of interest for publication include, but are not limited to:

- Flame retardant materials design and development;
- Material flammability and flame retardancy;
- Pyrolysis and flame spread modeling of flame retardant materials;
- Flame retardant coating;
- Future perspectives for flame retardant materials/polymers;
- Research techniques that combine experiments and numerical modeling.

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