

Special Issue

Sustainable Flame Retardants

Message from the Guest Editors

Most polymers, regardless of the source, are suffering from a disreputable and nerve-racking issue of inherent flammability, which severely threatens the life and property. In this context, taking into account the high fire hazard of polymeric materials, the quest for efficient flame-retardant additives with versatile functionalities is apparent. Moreover, the increasingly serious environmental pollution problems associated with the usage of non-degradable materials and hazardous additives, has proposed more stringent requirements on the sustainability of flame retardant additives. This Special Issue plans to give an overview of the most recent advances in the field of exploiting sustainable flame retardants and their applications in diverse situations.

- Sustainable flame retardant systems, practices and production
- Flame-retardant polymeric and composites materials
- Thermally stable polymeric and composite materials
- Methodologies and tools for thermal and fire hazards assessment
- Thermal and fire modeling/simulations
- Environmental occurrence, toxicity and analysis of flame retardants
- Measuring and monitoring sustainability of flame retardants

Guest Editors

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Deadline for manuscript submissions

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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