



Bio-Based Materials as Flame Retardants for Polymers: Synthesis and Applications

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Message from the Guest Editors

Flame retardants have been incorporated into many of these polymeric systems, but being highly dependent upon use of halogenated organic, and of phosphorous-based molecules, toxicity issues have been raised that compete with reduced flammabilities in protecting the public.

This Special Issue, entitled “Bio-Based Flame Retardants for Polymer Applications”, is devoted to the dissemination of high-quality original research articles and comprehensive reviews on cutting-edge developments in this interdisciplinary field.

- Application of bio-based FRs in polymer matrixes;
- Derivatization and incorporation of bio-based FRs;
- Bio-based FR coatings for polymer substrates;
- Mechanism of flame retardation by bio-based additives;
- Synergy between bio-based and other organic and/or inorganic FR agents;
- Processing and performance of bio-based FRs in polymeric materials;
- Toxicology/epidemiology of bio-based FR additives.





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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 5.0.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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