



Fire-Retardant Materials and Coatings

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Message from the Guest Editors

Dear Colleagues,

Fire-retardant materials (FR) and surface treatments are important and crucial subjects due to increasing fire incidents in the public and industrial sectors. Most of these goods and products are either synthetically or naturally made of hydrocarbon-based polymeric materials, which are highly vulnerable to fire. To cope with the issue, various materials have been investigated, such as halogenated flame retardants, phosphorus-based flame retardants, nitrogen-based FR, biopolymers, nanocomposites, nanoparticle-based FR, fillers, etc. Therefore, investigations are underway to find feasible and novel FR materials for the protection of these goods and products. In this regard, spray coatings, sol–gel coating, dip coatings, LBL coatings, and other techniques are subjects of interest for the scientific community.

This Special Issue is devoted to the most recent research on these topics, covering all the aspects concerning fire-retardant materials, fire-retardant coatings, and their relevant applications.

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