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Flame-Retardant Polymer Composites

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Message from the Guest Editors

Flame-retardant polymer composites can be obtained by various processing routes, such as injection molding, thermocompression, or additive manufacturing (AM). Recently, the use of AM has increased the possibilities of the use of polymer composites because it allows the production of very complex parts. However, some composites are not suitable for AM due to the specificities of these technologies. Furthermore, some additives are prone to affect composites' functional properties regardless of the processing route. Thus, composites and additives should be carefully selected in order to avoid problems during processing, and effective flame-retardant systems should be chosen or developed in order to meet the requirements of the new applications.

Hence, this Special Issue aims to identify the most recent scientific advancements in the flame retardancy of polymer composites processed through different routes, as well as the characterization of the flame retardancy mechanisms.

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Message from the Editor-in-Chief

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