Special Issue

Flame Retardants for Polymeric Materials

Message from the Guest Editors

Flame retardants have been developed and widely used to reduce the inherent high flammability of synthetic and/or natural-based polymers. They play an important role in the fire performance of such materials used in a broad range of applications, such as in textiles, coatings, foams, civil infrastructures, and electronic and electric devices, among others. The development of novel efficient and environmentally-friendly flame-retardant additives that can promote an optimal fire and mechanical performances has attracted a great deal of interest in recent years. For that, different approaches such as flame retardants' surface functionalization and/or micro-encapsulation, polymers' chemical modification, polymer blends, and/or the use of compatibilizers have been employed. For more information, please click the following link: https://www.mdpi.com/journal/materials/special_issues/flame_retardants_polymeric_materials

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