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Flame Retardants for Polymeric Materials

Guest Editors:

Dr. Vera Realinho

Department of Materials Science and Engineering, School of Industrial, Aerospace and Audiovisual Engineering (ESEIAAT), Universitat Politècnica de Catalunya (UPC BarcelonaTech), Terrassa Campus, Building TR5. C. Colom 11, E-08222 Terrassa, Barcelona, Spain

Dr. Laia Haurie

Department of Architectural Technology, Barcelona School of Building Construction (EPSEB), Universitat Politècnica de Catalunya (UPC BarcelonaTech), Av. Doctor Marañón 44, 08028 Barcelona, Spain

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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.

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Dr. Vera Realinho
Dr. Laia Haurie
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Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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