



Development in Flame-Retardant Polymer Composites

Guest Editor:

Dr. Jiaji Cheng

College of Environmental and
Safety Engineering, Qingdao
University of Science and
Technology, Qingdao 266042,
China

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Message from the Guest Editor

Polymer composites are promising candidates for solving existing engineering problems due to their low density and excellent mechanical performance. However, inflammability creates potential fire hazards in a fire, including a high temperature and dense smoke, which may cause enormous property damage and casualties. Global fire-safety concerns are reflected in the massive volume of flame-retardant polymer composites that have been commercialized over the last two decades. In this sense, a huge amount of effort has been undertaken for the synthesis, characterization and commercialization of a broad variety of flame retardants. The development of new classes of flame retardants through the hybridization and/or modification of both conventional and novel additives has been the main route for creating polymers to protect against fire.

This Special Issue, “Developments in Flame-Retardant Polymer Composites”, to be published in the *Polymers* journal, aims to cover the latest advancements in the preparation, properties and applications related to flame-retardant polymer composites and related research.





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Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

Message from the Editor-in-Chief

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Polymers Editorial Office
MDPI, Grosspeteranlage 5
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