



Advanced Flame-Retardant Polymer Composites

Guest Editor:

Dr. Xiaoling Liu

Faculty of Science and
Engineering, University of
Nottingham Ningbo China,
Ningbo, China

Deadline for manuscript
submissions:

20 September 2024

Message from the Guest Editor

Dear Colleagues,

Flame-retardant polymer composites have emerged as critical components in many applications ranging from construction and aerospace to electronics and automotive industries. The technology has evolved from the initial fire-resistant formulations to complex composite structures that incorporate advanced polymers, nanomaterials, and smart technologies. These materials not only offer resistance to ignition but also curb flame propagation, minimizing toxic smoke and ensuring structural integrity under fire exposure.

This Special Issue aims to bring together the latest research, technologies, and strategies in the development of flame-retardant polymer composites and to provide a platform for researchers and experts to share innovative methods, novel materials, and advanced technologies for enhancing polymer flame retardancy. For this Special Issue, full articles and review articles on this topic are welcome for submission.

Dr. Xiaoling Liu
Guest Editor





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Editor-in-Chief

Prof. Dr. Alexander Böker

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

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Polymers Editorial Office
MDPI, Grosspeteranlage 5
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