Special Issue

Nanomaterials in Fire-Resistant Epoxy Resins

Message from the Guest Editors

Epoxy resins, as typical thermosetting materials, have a wide range of applications and enormous production volumes. in 2023, the global epoxy resin market reached a value of USD 12.7 billion. However, given its compositional characteristics, EP is inherently flammable and poses a threat to life and property. Therefore, it is imperative for developing flame-retardant epoxy resins. Recently, the development of nanotechnology has promoted the application of nanomaterials in the field of fire resistance. Diverse flame-retardant nanomaterials are explored for meeting current high-performance requirements in view of their nano features. This Special Issue will explore the flame-retardant application of novel nanomaterials in epoxy resins and research progress for developing flame-retardant epoxy resins with nanomaterials. All submissions will be considered, including but not limited to the synthesis and application of novel flame-retardant nanomaterials, the synthesis of flame-retardant epoxy resin composites, and the investigation of flame-retardant mechanisms.

Guest Editors

Dr. Kaili Gong

School of Chemistry and Chemical Engineering, Shandong University, Ji'nan 250100, China

Prof. Dr. Keqing Zhou

Faculty of Engineering, China University of Geosciences (Wuhan), Wuhan 430074, China

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Fire
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fire@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Fire is an international open-access journal about the science, policy, and technology of fires and how they interact with communities and the environment. *Fire* seeks to provide a forum to help the fire science community convey how we can live with fire in a changing world. *Fire* seeks submissions from interdisciplinary studies that take a pyrogeography perspective of fires occurring in natural, cultural, and industrial landscapes and how they interact with communities in the science-policy interface. *Fire*'s Editorial Board are widely recognized international leaders. The journal emphasizes quality and innovation and has a rigorous peer-review process. I strongly recommend *Fire* for the rapid publication of your innovative research publications and case studies.

Editor-in-Chief

Dr. Grant Williamson
School of Biological Sciences, University of Tasmania, Private Bag 55, Hobart, TAS 7001, Australia

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