

Special Issue

Functional Foams

Message from the Guest Editors

This Special Issue considers recent research on novel polymer-based foams in all their aspects: design, composition, fabrication, microstructure, characterization and analysis, application and service behaviour, recycling, etc. Manuscripts related to the following topics will be considered for this Special Issue:

- Thermoplastic and thermosetting polymer foams.
- Biopolymer foams.
- Nanocomposite foams.
- Microcellular, sub-microcellular and nanocellular foams.
- Close-cell, open-cell and interconnected-cell foams.
- Unimodal and multimodal foams.
- Chemical and physical foaming methods.
- Recycling of foams.
- Biodegradable foams.
- Flame retardant foams.
- Thermally and electrically conductive polymer foams.
- New applications of foams, including electronics, batteries, fuel cells, catalysis, separation and filtration, EMI shielding, electrostatic dissipation (ESD), electrostatic painting, tissue engineering, etc.

Guest Editors

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closed (15 May 2018)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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