Special Issue

Polymer Foams: Materials, Processing and Properties

Message from the Guest Editors

Polymer foams are composed of a solid polymer phase and a dispersed gaseous phase. They are advantageous over solid materials due to their light weight, high energy absorption, excellent cushioning capabilities, and good insulating behavior. Applications of polymer foams are determined based on the foam density, for example as a sandwich core material. At present, the use of polymer foams in daily life is inevitable and thus there is a need for more research all over the world. The main objective of this Special Issue is to bring up the most recent developments in different areas of foams based on thermoset, thermoplastic, and even syntactic polymers. Recent research on the foamability of various polymer matrices, on their design, processing, and fabrication, as well as on their morphology, properties, and sustainability (including recycling aspects) is given high priority in this Special Issue. It is my pleasure to invite you to submit a manuscript for this Special Issue. Remarkable contributions including research articles, communications, and reviews from experts all over the world are all welcome.

Guest Editors

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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