

Special Issue

Advances in Development and Characterization of Polyurethane Foams

Message from the Guest Editor

Polyurethanes are a broad group of polymeric materials. Foams are the most important commercial polyurethane products. The properties of polyurethane foams are highly dependent on their polymer matrix and cell structure, allowing the material to be modified according to the intended application. Considering current trends and regulations, it is important to be aware of the environmental impact of polyurethanes. Currently, the polyurethane industry is heavily dependent on crude oil, as the most important substrates for their production. Innovative development, in line with the ideas of a circular economy and clean production, requires the implementation of new solutions for the synthesis of biocomponents for polyurethanes and an emphasis on the use of not only renewable, but also waste and recycled raw materials. The subject of polyurethane foams is very broad and often interdisciplinary. Therefore, due to potential innovations and future developments, we are pleased to initiate this Special Issue and invite you to submit your original research papers and reviews related to the development and characterization of polyurethane foams.

Guest Editor

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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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