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Advances in Development and Characterization of Polyurethane Foams

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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.

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Message from the Editor-in-Chief

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