

Special Issue

Synthesis and Application of Fluoropolymers

Message from the Guest Editor

Fluoropolymers, polymers bearing fluorine atoms (or fluorinated alkyl groups) directly linked to the main chain, constitute a unique class of materials. They indeed present outstanding properties in terms of resistance to chemicals and weathering, and some of them have remarkable electroactive properties (ferroelectricity, piezoelectricity, etc.). Owing to these uncommon properties, they have found application in numerous energy fields (fuel cells and batteries), for high-performance coatings and membranes, in printed electronics as actuators, and as sensors and detectors. This Special Issue will focus on fluoropolymers, from the synthesis of polymer architectures (block, star, etc.) and copolymers to the preparation of materials (self-assembled structures, networks and conetworks, covalent adaptable networks, composites, foams, films, coatings), as well as on their numerous current and potential applications.

Guest Editor

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker

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