



Synthesis and Application of Fluoropolymers

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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.





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Message from the Editor-in-Chief

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