



Liquid Crystalline Polymers

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Message from the Guest Editor

The combination of liquid crystallinity with polymeric systems has been investigated for several decades, and it has increasingly realized its potential to achieve benefits, such as programmed and superior materials properties, more convenient polymer processing and smart responsiveness to a range of different stimuli. Research in this area is now very active, and there are numerous commercial applications.

This Special Issue of Polymers aims to bring together pure and applied research papers on liquid crystal polymers (LCPs). Contributions on polymer design, modeling and synthesis will be welcomed, as will those devoted to structure/processing/properties and applications of LCPs as functional or structural materials. Main-chain and side-chain LCPs as well as polymer-liquid crystal blends, dispersions and encapsulations will fall within the scope of this Special Issue, as will the liquid crystalline properties of certain biopolymers. Examples of relevant applications could include high-tensile fibers and their processing, liquid crystal elastomers for sensors or actuators, pharmaceuticals, ferroelectrics and conducting LCPs in electronics, photonics and energy conver





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Message from the Editor-in-Chief

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