



Stimuli-Responsive Polymer Systems—Recent Manufacturing Techniques and Applications

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Deadline for manuscript submissions:

closed (15 April 2019)

Message from the Guest Editors

Dear Colleagues,

Stimuli-responsive polymer systems can be defined as functional materials that show physical or chemical property changes in response to external stimuli such as temperature, radiation, chemical agents, pH, mechanical stress, and electric and magnetic fields.

This Special Issue aims to focus on recent significant progress in manufacturing techniques and applications of stimuli-responsive polymer systems and will consider full research papers, communications, and review articles for publication. We would like to bring together a collection of comprehensive reviews from leading experts and up-to-date researches from notable groups in the community.

Suggested topics:

- Multiple-stimuli responsive polymers; shape memory polymers
- Elastomers; hydrogels; polyelectrolytes
- Electroactive polymers and gels; conjugated polymers
- Manufacturing of stimuli responsive polymer systems; 3D printing; lithography
- Modelling and control of responsive polymer sensors and actuators
- Self-folding polymers; origami, auxetic, or voxel structures
- Batteries, capacitors; electrochemical transistors





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Journal Rank: JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (Condensed Matter Physics)

Message from the Editor-in-Chief

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