

## Special Issue

# Stimuli-Responsive Polymer Systems—Recent Manufacturing Techniques and Applications

### Message from the Guest Editors

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

### Guest Editors

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### Deadline for manuscript submissions

closed (15 April 2019)



## Materials

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## About the Journal

### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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