

Special Issue

Sustainable Materials Based on Responsive and Smart Polymers

Message from the Guest Editors

In this Special Issue, our aim is to bring together theoretical and experimental studies on polymer science whose primary objective is to guide material design via insight into smartly responsive soft materials necessary for future applications both within and outside academia, such as in energy storage, agriculture, controlled release, structural materials, biomaterials, additive manufacturing, water harvesting, membranes, wearable electronics, etc.

Original research articles and reviews are welcome. Research areas may include, but are not limited to, the following: Stimuli-responsive (bio)polymers and nanocomposites; Dynamic networks and supramolecular polymers; Responsive hydrogels from sustainable resources; Smart superabsorbent hydrogels for agriculture; Smart polymer electrolytes for batteries; Mechanically responsive polymers and nanocomposites; Shape-memory polymers; Self-healing stretchable polymers; Lignocellulosic nanomaterials; Recycling and upcycling of polymers.

We look forward to receiving your contributions.

Guest Editors

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closed (16 May 2024)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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