



Shape Memory and Functional Polymers

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Message from the Guest Editors

This Special Issue on “Shape Memory and Functional Polymers” is devoted to the dissemination of high-quality original research articles or comprehensive reviews on cutting-edge developments in this interesting and contemporary field of research.

Polymers offer a set of interesting features, and the capability of incorporation of shape memory properties or other functional characteristics opens a vast, new field of applications, from biomedical devices to sensors, structural morphing, and vibration control.

Shape memory polymers (SMPs) and their composites (SMPCs) are remarkably interesting materials when designing structures or devices capable of responding to external stimuli. The cost of the material, the tailoring freedom through controlled polymer synthesis or material blending, allied to fast and cost-effective transformation processes, including additive manufacturing processes, dictate the interest in these materials. Moreover, the freedom to create complex geometries using polymers is one of the most important advantages of these materials when compared to other functional materials, including shape memory alloys.





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Message from the Editor-in-Chief

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I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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