

Special Issue

Smart Polymers and Composites for Multifunctional Structures and Devices

Message from the Guest Editor

Nowadays, multifunctional systems are largely studied in order to be integrated in structures for advanced avionics, space, sport, automotive, or biomedicine applications. New possibilities also arise from developments in the field of smart polymer composites.

This group of materials provides a wide range of functional characteristics such as thermal, electrical, or acoustic insulation, flame retardancy, self-repair, shape memory, energy harvesting, shielding from electromagnetic interference, and the detection of mechanical or chemical phenomena.

This Special Issue will focus on the most recent advances in smart polymer composites for the development of multifunctional structures and integration of smart polymers and composites to the potential applications in multifunctional systems. I am pleased to invite authors to submit original papers on topics including but not limited to: stimuli-responsive polymers and composite processing, the application of smart polymers and composites in multifunctional systems, methods for the evaluation of multifunctional systems, the theory of stimuli-responsive polymers and composite characterization.

Guest Editor

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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