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Smart and Functional Elastomers, Hydrogels, and Ionogels

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2018)

Message from the Guest Editor

This Special Issue focus on the current state-of-the-art of the fundamentals and applications of elastomers, hydrogels, and ionogels. These polymeric materials, either in dried or in swollen states, exhibit soft and resilient mechanical properties, often with great fracture toughness. Incorporation of functional groups or nanoparticles adds novel functionality or stimuli-responsiveness on top of their their unique mechanical properties, enabling a broad range of potential applications such as flexible or stretchable energy storage, biosensors and biomaterials, soft electronics, and many more.

Papers are sought that discuss the latest research in the area or summarize selected areas of the field. The scope of the Special Issue encompasses the synthesis, characterization, and application of elastomers and gels made of conjugated polymers, organic radical polymers, ion-conducting polymers, metal-containing polymers, or hybrid inorganic/organic motifs.

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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 5.0.

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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