

Special Issue

Polymer Actuator

Message from the Guest Editors

Actuators are materials and devices able to produce mechanical work as a response to external stimuli. Thus, mechanical work is produced as a response to an electrical input, temperature or pH variation, among others. This mechanical work can be produced from the nano to the macroscopic scale, allowing therefore a large variety of applications. In particular, polymer-based actuators are gaining increasing attention due to the large variety of different physical and chemical inputs providing mechanical variations, broad range of strain, stresses and conformation variations, simple processing in a large variety of forms and shapes, as well as the broad application spectra, including robotics, micro and nano-machines, and tissue engineering applications, among others. It is our pleasure to invite you to submit original research papers, short communications or state-of-the-art reviews within the scope of this Special Issue. Contributions can range from fundamentals, processing and characterization of materials, to innovations in processing technologies or the development of applications.

Guest Editors

Dr. Senentxu Lanceros-Mendez

Dr. Clarisse Ribeiro

Dr. Vanessa F. Cardoso

Deadline for manuscript submissions

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

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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

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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