Special Issue

Piezoelectric, Flexoelectric and Electrostrictive Effects in Polymers: From Material Synthesis to Practical Applications

Message from the Guest Editor

The piezoelectric effect is among the most exploited transduction mechanisms for multiscale electromechanical applications, such as actuation and sensing (e.g., pressure/curvature sensing). Despite the piezoelectric coefficients of polymeric materials like the reference polymer polyvinylidene fluoride PVDF and related copolymers being lower than those of their rigid oxide-based counterparts (ceramics, single crystals), soft organic films remain attractive owing to their specific intrinsic assets like easier and low cost processability, lightweight, conformability, and flexibilit. The aim of this Special Issue is to provide a current state of the art of the so-called electroactive polymers presenting intrinsic electromechanical coupling, in view of developing the next generation of polymer-based shapeable mechanical transducers. We cordially ask you to consider submitting your next research paper or review article to this thematic issue. You could enjoy a **20% early bird discount** if you submit your paper by **30 June 2020**.

Guest Editor

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Deadline for manuscript submissions

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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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