## Special Issue

# Advances in Energy Harvesting Based Piezoelectric Polymers

## Message from the Guest Editors

Energy-harvesting technologies have grown rapidly over the last two decades as an alternative to conventional power sources (e.g., batteries) for low-power electronic devices. They are under investigation for new applications such as actuators, vibration control. ultrasonic transducers, sensors, ferroelectret devices. energy-conversion devices, speakers, microphones, keyboards, and thermal and optical property measurement devices. Piezoelectric-materials-based polymers have been receiving increasing attention in comparison to ceramic-based polymers because of their low manufacturing cost, ease of processing, suitable voltage with sufficient power output, and the possibility of producing very thin and flexible films with low density. Cellular thermoplastic polymers can present piezoelectric-like behavior through internal charging by submitting the material to an external high electric field. It is our honor to announce the launch of this Special Issue entitled "Energy-Harvesting-Based Piezoelectric Polymers" and invite researchers to contribute their review and research reports on related topics.

## **Guest Editors**

## Dr. Abolfazl Mohebbi

Microcellular Plastics Manufacturing Laboratory, Department of Mechanical and Industrial Engineering, University of Toronto, 5 King's College Road, Toronto, ON M5S 3G8, Canada

## Dr. Samira Aslanzadeh

Microcellular Plastics Manufacturing Laboratory, Department of Mechanical & Industrial Engineering, Faculty of Applied Science and Engineering, University of Toronto, Canada

## Deadline for manuscript submissions

closed (15 August 2023)



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

mdpi.com/journal/polymers





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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 4.9.

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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