

## Special Issue

# Advances in Polymer-Based Sensors

### Message from the Guest Editors

Polymer-based sensors are attracting attention in various fields due to their innovative designs capable of utilizing the mechanical and chemical advantages of polymers. The excellent processability and the mechanical properties of polymers have greatly improved the sensor fabrication and measuring process, and the chemical characteristics of the polymer-based sensor surfaces have also achieved excellent results in terms of sensing performance. In addition, by adding micro-/nanostructures to the surface and internal structure of the polymer sensor, sensing performances have been greatly improved. Various studies utilizing micro-/nanostructures have been conducted, with techniques used that include sensing minute changes in the chemical substances of fluids or measuring minute mechanical deformations such as heart rate and vibration, etc. However, there are still many limitations to overcome in developing polymer-based sensors. As such, in this Issue we aim to publish excellent research results from various research fields such as healthcare, robotics, and environmental measurement.

### Guest Editors

Dr. Geon Hwee Kim

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### Deadline for manuscript submissions

closed (29 February 2024)



## 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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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