Special Issue

The Applications and Prospects of Chemosensing Polymers

Message from the Guest Editors

In recent years, sensors and biosensors have been widely used due to their special properties, in many areas of research such as food, pharmaceuticals, and medicine. Polymers, such as polyaniline, polypyrrole, polythiophene, etc., are known for their biocompatibility, low polymerization potential, and high electrical conductivity. Moreover, polymers have an important role in improving enzyme immobilization strategies on the sensitive surface, preventing enzyme degradation, and protecting enzyme biocatalytic activity. Conductive polymers, together with nanomaterials, especially carbon-based nanomaterials and metal nanoparticles, represent important opportunities for increasing the performance of sensitive devices. In this Special Issue, we aim to collate theoretical considerations that explain the principles of synthesis, characterization, and applicability of polymers, as well as the performance of some sensors and biosensors developed with the help of polymers and their nanocomposites in different fields.

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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

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