Special Issue

Smart Polymer-Based Chemical and Biological Sensors

Message from the Guest Editors

Molecular recognition between two molecules that are chemically and geometrically compatible is a common phenomenon in the environment. Supramolecular Chemistry tries to mimic the effectivity and simplicity of these biological recognition processes, establishing the sensors or chemosensors research field.

Current research is directed to the preparation of solid matrices—polymers—with chemically anchored selective receptors to avoid the migration of substances to the medium and to provide mechanical support. In addition, polymers can be specifically designed to be water-soluble or insoluble or to be transformed into finished materials with suitable mechanical and thermal properties.

These so-called smart polymers are constantly being developed, broadening their scope in the detection of chemicals for applications related to the biomedical, environmental, food, and civil security fields. This growing research area motivates the launch of this Special Issue, aimed to discuss the latest research on the preparation of smart polymers as sensing materials for the detection of different target molecules in different application fields.

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Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

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