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Polymers Based Chemical Sensors

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Message from the Guest Editors

This Special Issue on polymer-based chemical sensors is devoted to the discussion and dissemination of the latest research in this quickly-evolving field. Emphasis will be placed on the preparation and applications of organic and hybrid polymers as sensing materials for the detection of chemicals of interest in solution and in the gas phase, in civil security and in the biomedical, food, environmental, and industrial fields, etc.

- Polymer chemosensors
- Piezoelectric sensors
- Chemomechanical sensors
- Electrochemical sensors
- Colorimetric sensors
- Fluorescence sensors
- Chemical sensor array
- Sensing of cations
- Sensing of anions
- Sensing of explosives
- Sensing of chemical warfare agents
- Sensing of biomolecules
- Sensing of pollutants



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Special Issue



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Message from the Editor-in-Chief

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New chemical sensors design

Electrochemical devices, potentiometric sensor, redox electrode

Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

electronic nose, etc.

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