



Emerging Chemosensors Based on Polymers

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Message from the Guest Editors

Recognition phenomena are intimately related to life where biomacromolecules are involved, such as DNA, RNA, or proteins. Thus, natural polymers play a pivotal role in life's milestones, where recognition or sensing have a complex nature.

The identification of the key role of feeble chemical interactions on this recognition gave rise to the development of supramolecular chemistry. We can mention, chemical species (including biomolecules), pH, temperature, and so on, that upon changing in the presence of the intelligent polymers, or contacting or reacting with them, induce a measurable change in shape, solubility, color, fluorescence, electrical or thermal conductivity, etc., where the magnitude of the change can be easily correlated with the measured signal that accompanied said change.

Thus, this Special Issue is focused on the development of sensory polymers as advanced intelligent materials for application in essay detection and quantification of target chemical species with industrial, environmental, civil, and health interests, along with the sensing related to biomedical/biological applications (diagnoses of diseases or biosensors).





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Message from the Editor-in-Chief

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