

Special Issue

Molecularly Imprinted Polymers (MIPs): Present and Future Prospective

Message from the Guest Editor

Recently developed modern technologies create an important task for researchers: to find selective materials for different substances. In order to improve selectivity and retention capacity, a new class of polymer materials has been developed, namely, molecularly imprinted polymers (MIPs). Two kinds of preparation methods for MIPs have been developed: chemical methods, typically including polymerization (bulk, suspension, emulsion, precipitation, etc.), or sol-gel reactions and physical methods, referring mostly to phase inversion and which are more rarely used. The application of these new materials refers mostly to the water and air treatment, purification of a liquid, the separation of a substance from a complex mixture, analysis and sensing, but other applications such as catalysis or the slow release of bioactive substances are studied as well, explaining the need for this Special Issue of *Applied Science*. I am inviting you to publish your work in this Issue, and look forward to your contributions.

- molecularly imprinted polymers
- ion imprinted polymers
- membrane
- polymerization
- sol-gel
- phase inversion
- solid phase extraction
- sensing
- slow release

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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