



## Applications of Molecularly Imprinted Films

Guest Editor:

### Prof. Dr. Andrei Sarbu

Leader of Team 1, The National  
Institute for Research &  
Development in Chemistry and  
Petrochemistry—ICECHIM,  
060021 Bucharest, Romania

Deadline for manuscript  
submissions:

**closed (10 September 2021)**

### 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, 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 purification of a liquid, the separation of a substance from a complex mixture, analysis and sensing, but other applications are studied as well, such as catalysis or slow release of bioactive substances, 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
- film
- membrane
- polymerization
- sol–gel
- phase inversion
- solid phase extraction





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

Applied Sciences Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](#)