



## Recent Advances in Polymer and Polymer Related Membranes/Films

Guest Editor:

**Dr. Simona Căprărescu**

Department of Inorganic  
Chemistry, Physical Chemistry  
and Electrochemistry, Faculty of  
Chemical Engineering and  
Biotechnologies, University  
Politehnica of Bucharest,  
Bucharest, Romania

Deadline for manuscript  
submissions:

**closed (30 September 2023)**

### Message from the Guest Editor

Dear Colleagues,

It is our pleasure to invite you to submit your contribution to this Special Issue on “Recent Advances in Polymer and Polymer-Related Membranes/Films”.

This Special Issue aims to bring together work on the synthesis, characterization and applications of polymers, polymer membranes and films. The most-used polymer membrane/film preparation techniques include phase inversion, electrospinning, self-assembly, grafting polymerization, layer-by-layer assembly, and sol-gel. The aim of this Special Issue is to provide an opportunity to share new preparation methods for polymers, polymer membranes and films, in an interactive and interdisciplinary manner.

The topics of particular interest include, but are not limited to:

- Novel methods for preparing polymers and polymer membranes/films
- Films with special functions and properties
- Structure–property relationships
- Advances in synthesis and preparation
- Polymer membrane/film performances
- Characterization by various techniques (e.g., FTIR, SEM, TEM, TGA, AFM, XRD, EDAX, Raman, electrochemical impedance spectroscopy (EIS))





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

## 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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:** JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

---

Materials Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)