

Special Issue

Polymer Materials: New Designs and Applications

Message from the Guest Editor

Polymer materials have attracted more scholars to focus on related research, including their synthesis, characterization, and properties. Based on the above research, more advanced applications are promoting scholars to design polymeric materials, improve fabrications, and so on. Polymer materials are used not only for chemical research or engineering but also for medical applications, such as artificial muscles. This Special Issue in *Applied Sciences* aims to collect recent advances in polymer materials and related applications, especially new methods/technologies. Topics of interest include, but are not limited to, the following:

- Polymer synthesis;
- Polymer processing;
- Polymer characterization;
- Polymer design;
- Polymeric structures;
- Chemical and physical properties;
- Mechanical properties;
- Electroactive polymers;
- Functional polymers;
- Nanostructured blends and copolymers;
- New methods/technologies and related applications.

We welcome interested scholars to contribute to this Special Issue.

Guest Editor

Dr. Carlos Henrique Scuracchio

Materials Engineering Department, Science and Tehcnology Center of the Federal University of São Carlos, Sao Carlos 13565-905, Brazil

Deadline for manuscript submissions

20 July 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/253064

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

[applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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

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

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), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)