

## Special Issue

# Development of Functional Polymer Surfaces with Nanomaterials

### Message from the Guest Editor

Polymeric materials have broad applications with their extraordinarily advantageous functional characteristics, cost-effectiveness, and facile mass production, which are crucial for the development of commercialized products. The surfaces of various polymeric materials especially can exhibit excellent chemical, physical, and mechanical properties over many other materials by controlling chemical functionality, structural morphology, and so on. Nanomaterials, i.e., materials with at least one dimension in the nano- and submicroscale, have the ability to improve the various properties of polymer surfaces owing to their excellent interfacial interaction with polymer surfaces. This Special Issue aims to highlight studies focusing on various kinds of functional polymer surfaces with a variety of forms of nano- and submicroscale materials including particles, fibers, foams, composites, etc. For further reading, please follow the link to the Special Issue Website at: <http://www.mdpi.com/si/256850>

---

### Guest Editor

Prof. Dr. Dongwhi Choi  
Kyung Hee University, Seoul, South Korea

---

### Deadline for manuscript submissions

closed (20 December 2021)



## Nanomaterials

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.3  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/si/47650](http://mdpi.com/si/47650)

*Nanomaterials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[nanomaterials@mdpi.com](mailto:nanomaterials@mdpi.com)

[mdpi.com/journal/  
nanomaterials](http://mdpi.com/journal/nanomaterials)





# Nanomaterials

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.3  
CiteScore 9.2  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano–alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

---

### Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

---

### 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, CAPIus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)