

## Topical Collection

# The Fourth State of Engineering: Nanoengineered Materials and Coatings Facilitated by Plasma Techniques

### Message from the Collection Editors

In this Special Issue, we invite investigators to contribute original research articles as well as review articles.

These articles are to inspire research towards the next generation of plasma derived nanoscale interfaces, coatings and structures. Potential topics include, but are not limited to:

- Plasma synthesis of nanomaterials
- Nanoscale plasma polymer coatings
- Plasma assisted surface modification
- Plasma nano texturing of surfaces
- Applications of plasma derived nanomaterials, coatings and interfaces in different fields (such as medicine, energy, agriculture and beyond)
- Modeling of plasma facilitated process for fabrication of nanomaterials

---

### Collection Editors

Prof. Dr. Krasimir Vasilev

Prof. Dr. Kostya (Ken) Ostrikov

Dr. Thomas Michl

Dr. Akash Bachhuka

---



## Nanomaterials

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.3  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/si/16492](https://mdpi.com/si/16492)

*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](https://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)