



an Open Access Journal by MDPI

## Nano Surface Engineering

Guest Editors:

**Dr. Hao Wu**

**Prof. Dr. Kejian Ding**

**Prof. Dr. Guosong Wu**

Deadline for manuscript  
submissions:

**closed (31 December 2024)**

### Message from the Guest Editors

The combination of surface engineering technology and nanomaterials offers virtually unlimited opportunities for the design and application of novel functional materials and interfaces. This Special Issue aims to attract both academic and industrial interest in order to explore theoretical advancements and prospective applications combining surface engineering and nanomaterials. We invite authors to contribute original research and review articles addressing potential topics, including, but not limited to:

- Nanoscale surface science and engineering, including surface modification, structure manipulation and assembly phenomena at the nano/atomic scale;
- Low-dimensional materials and their applications in functional interfaces and nanodevices;
- Nanoscale interfaces relevant to various applied areas, including catalysis, energy conversion and storage, biomaterials, semiconductors, sensors and corrosion protection;
- Nanostructured or nanomaterial-based thin films and coatings;
- Surface effects related to nanotexture, nanoarchitecture or nanocrystalline;
- Characterization and manufacturing techniques for nanoscale surfaces and interfaces.



[mdpi.com/si/146331](https://mdpi.com/si/146331)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Eugenia Valsami-Jones**

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

## 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.

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

**Journal Rank:** JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)

## Contact Us

---

*Nanomaterials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

[mdpi.com/journal/nanomaterials](http://mdpi.com/journal/nanomaterials)  
[nanomaterials@mdpi.com](mailto:nanomaterials@mdpi.com)  
[X@nano\\_mdpi](https://x.com/nano_mdpi)