nanomaterials

IMPACT FACTOR 4.3

Indexed in: PubMed

CITESCORE 9.2

an Open Access Journal by MDPI

Nanometrology

Guest Editor:

Dr. Petr Klapetek
1) Department of Nanometrology, Czech Metrology Institute, Brno, Czech Republic
2) CEITEC, Brno University of Technology, Brno, Czech Republic

Deadline for manuscript submissions:
closed (30 September 2021)

Message from the Guest Editor

Dear Colleagues,

Thanks to advances in nanoscience and nanotechnology and increasing use of their research outputs in real products, there is an increasing need for reliable measurement techniques. Nanometrology is a rapidly evolving area of measurement focusing on characterization of nanostructures and nanomaterials. It includes a wide variety of analytical methods that can be applied to samples used in nanotechnology, typically being based on methods that have very high spatial resolution and can measure local physical quantities or chemical composition. A key aspect of nanometrology is to make these measurements reliable and metrologically traceable. This is a challenge in many areas as the measurement methods often represent state-of-the-art in sensing, and establishing metrological traceability can be a very complex task. As nanomaterials are one of the key scientific areas and products of nanoscience and nanotechnology and as many of the nanometrology methods are therefore focused on them, I am pleased to announce this Special Issue of *Nanomaterials* concentrating on this topic.

nanomaterials

IMPACT FACTOR 4.3 | Indexed in: PubMed | CITESCORE 9.2

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.

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

mdpi.com/journal/nanomaterials
nanomaterials@mdpi.com
𝕏@nano_mdpi