



Surface Fabrication and Modification of Nanomaterials

Guest Editor:

Prof. Dr. Qing Yang

School of Mechanical
Engineering, Xi'an Jiaotong
University, Xi'an 710049, China

Deadline for manuscript
submissions:

closed (28 September 2022)

Message from the Guest Editor

Nanomaterials can potentially be used in a wide range of applications in energy storage, automotive industry, electronics, sensors, and engineering materials as well as in medicine. Recent advances in the fabrication of different types of nanomaterials, including carbon-based nanomaterials, 2D nanomaterials, nanocomposites, etc., have allowed huge progress in the surface fabrication and modification of materials, which includes the synthesis, structure, properties, characterization and application of nanomaterials, emphasizing all aspects of research on a wide range of nanomaterials including nanocomposites, inorganic materials, polymeric and biological materials, and hybrid materials. We would like to invite you to contribute to this Special Issue of *Nanomaterials*, which aims to present the latest research breakthroughs in areas relevant to the development of ultrafast laser micro- and nanomanufacturing. This issue will bring together innovations in both academic and industrial aspects of manufacturing through presentation of the important research results from researchers around the world.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Shirley Chiang

Department of Physics, University
of California Davis, One Shields
Avenue, Davis, CA 95616-5270,
USA

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](#), [CAPus / SciFinder](#), [Inspecc](#), and [other databases](#).

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

Contact Us

Nanomaterials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/nanomaterials
nanomaterials@mdpi.com
[X@nano_mdpi](#)