



Smart Nanomaterials for Cancer Diagnosis and Therapy

Guest Editor:

Dr. Ruizhuo Ouyang

School of Materials and
Chemistry & Institute of Bismuth
and Rhenium, University of
Shanghai for Science and
Technology, Shanghai 200093,
China

Deadline for manuscript
submissions:

closed (30 April 2023)

Message from the Guest Editor

This Special Issue will present comprehensive research outlining the current significant achievements and latest advances in the development of diverse biomedical nanomaterials for cancer diagnosis and therapy. This includes the preparation and utilization of both inorganic and organic smart nanomaterials as efficient nanotherapeutic platforms to improve the efficiency in targeted drug delivery, in vivo bioimaging, diagnosis and treatment, and simultaneous cancer diagnosis and therapy in different responsive models. We are pleased to invite authors to contribute original research articles and review articles covering the current progress in smart nanomaterial development for nanomedicine and cancer. Potential smart nanomaterials may include, but are not limited to, the following:

- Inorganic nanomaterials based on metal and metal oxide, quantum dots, silica, etc.;
- Organic nanomaterials based on polymer, carbon, lipid, self-assembly, etc.;
- Mixed nanomaterials composed of both inorganic and organic species;
- Intelligent nanomaterials in bio-, physical and chemical properties- or multi-responsive models.

We look forward to receiving your contributions.





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, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / 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](https://x.com/nano_mdpi)