nanomaterials

IMPACT FACTOR 5.3 | Indexed in: PubMed | CITESCORE 7.4

an Open Access Journal by MDPI

Nanostructured Materials for Shielding Applications

Guest Editors:

Dr. M.I. Sayyed
1. Department of physics, Faculty of Science, Isra University, Amman, Jordan
2. Department of Nuclear Medicine Research, Institute for Research and Medical Consultations (IRMC), Imam Abdulrahman bin Faisal University (IAU), P.O. Box 1982, Dammam 31441, Saudi Arabia

Dr. Daria Tishkevich
1. Laboratory of Single Crystal Growth, South Ural State University, 454080 Chelyabinsk, Russia
2. Scientific-Practical Materials Research Centre of the National Academy of Sciences of Belarus, 220072 Minsk, Belarus

Deadline for manuscript submissions:
closed (22 July 2022)

Message from the Guest Editors

Dear Colleagues,

We kindly invite you to submit your paper to this Special Issue on "Nanostructured Materials for Shielding Applications" in *Nanomaterials*. Radiation shielding tools have increasingly become more important in modern society due to the vast spread of radioactive sources in various fields of work. Workers and patients who come in contact with radiation for long periods of time are at risk of exposure to nuclear radiation, which could severally impact their health. Therefore, it is necessary to protect these people from the risks of the radiation. Additionally, radiation exposure from outer space impacts is very harmful to on-board spacecraft equipment. Ionizing radiation causes the failure of high-precision and expensive equipment, which can ultimately lead to failures and loss of communication with spacecraft. In this regard, it is relevant not only to develop circuitry solutions, but also to...

For further reading, please follow the link to the Special Issue website at: https://www.mdpi.com/si/88463.

We look forward to receiving your contributions.

Dr. M.I. Sayyed
Dr. Daria Tishkevich
Guest Editors

nanomaterials

IMPACT FACTOR 5.3 | Indexed in: PubMed | CITESCORE 7.4

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 - 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