

## Special Issue

# New Strategies for Anticancer and Antimicrobial Studies Based on Emerging Nanomaterials

### Message from the Guest Editor

The present Special Issue aims to present new strategies for developing nanostructure-based formulations to enhance their therapeutic use, minimize the instrumental analysis cost for various types of cancers (chemotherapy, radiotherapy, immunotherapy, surgery, etc.), and aid in their applications as antimicrobial agents. We aim to encompass a variety of nanostructure material applications in all areas of science (chemistry, physics, biology, medicine, engineering, agriculture, etc.), including the use of quantum dots, nanoparticles, and a range of nanostructures to control various types of cancer, microbes, infectious diseases, drug delivery, and DNA binding, as well as the application of physical, chemical, and biochemical sensors.

### Guest Editor

Dr. Rizwan Wahab

1. Zoology Department, College of Science, King Saud University, Riyadh 11451, Saudi Arabia
2. Chair for DNA Research, College of Science, Zoology Department, King Saud University, Riyadh 11451, Saudi Arabia

### Deadline for manuscript submissions

closed (31 August 2023)



## Nanomaterials

an Open Access Journal  
by MDPI

Impact Factor 4.3  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/si/154534](https://mdpi.com/si/154534)

*Nanomaterials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[nanomaterials@mdpi.com](mailto:nanomaterials@mdpi.com)

[mdpi.com/journal/  
nanomaterials](https://mdpi.com/journal/nanomaterials)





# Nanomaterials

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.3  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/journal/  
nanomaterials](https://mdpi.com/journal/nanomaterials)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

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

---

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

#### Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)