



an Open Access Journal by MDPI

Multifunction Nanoparticles and Nanopesticides in Agricultural Application

Guest Editor:

Prof. Dr. Jie Shen

College of Plant Protection,
China Agricultural University,
Beijing, China

Deadline for manuscript
submissions:

closed (20 December 2022)

Message from the Guest Editor

Dear Colleagues,

This Special Issue focuses on the topics of broad agricultural applications using nanosized materials or nanocarriers/particles. Studies that explore the design and synthesizing of functionalized or multifunctional nanoparticles, utilizing nanocarriers for biomolecule delivery or gene manipulation, the control of plant disease or pests via nanosized pesticides are welcome. Other related topics need enquiry before manuscript submission. The submitted manuscripts should fit the aims and scope of the journal *Nanomaterials*. In this Special Issue, original research articles and reviews are welcome. We look forward to receiving your contributions.

Prof. Dr. Jie Shen
Guest Editor



mdpi.com/si/115821

Special Issue



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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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](https://twitter.com/nano_mdpi)