



Development of Nanomaterials for Antimicrobial Applications

Guest Editor:

Dr. Priyanka Singh

The Novo Nordisk Foundation,
Center for Biosustainability,
Technical University of Denmark,
2800 Lyngby, Denmark

Deadline for manuscript
submissions:

31 May 2024

Message from the Guest Editor

Our upcoming Special Issue aims to comprehensively explore nanomaterials designed for antimicrobial purposes, emphasizing not only their diverse mechanisms but also the methodologies employed in their design and assessment. Nanoparticles and nanocomposites are at the forefront of this exploration, offering novel and efficient strategies with which to combat the challenges posed by drug-resistant microorganisms.

Topics of interest for this Special Issue include the following:

Innovative Design Strategies: Examining cutting-edge approaches to designing nanomaterials tailored for enhanced antimicrobial efficacy. This may include discussions on novel synthesis methods, surface modifications, and engineering strategies to optimize antimicrobial properties.

Diverse Nanomaterials for Antimicrobial Applications: Highlighting a spectrum of nanomaterials and their antimicrobial potential, encompassing metals, metal oxides, carbon-based nanomaterials, and nanocomposites. Papers presenting innovative methodologies for the comprehensive assessment of nanomaterial properties are of particular interest.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular
Systems Biology, UFZ-Helmholtz
Centre for Environmental
Research, 04318 Leipzig,
Germany

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*Microbiology (medical)*)

Contact Us

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

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

mdpi.com/journal/microorganisms
microorganisms@mdpi.com
X@Micro_MDPI