nanomaterials

IMPACT FACTOR 4.4

Indexed in: PubMed

CITESCORE 8.5

an Open Access Journal by MDPI

# Advances in Micro/Nanomotors

Guest Editor:

**Prof. Dr. Beatriz Jurado Sánchez**
Departamento de Química Analítica, Química Física e Ingeniería Química, Universidad de Alcalá, Alcalá de Henares, Spain

Deadline for manuscript submissions:
**closed (30 September 2020)**

## Message from the Guest Editor

Self-propelled micro and nanomotors are nanoscale devices capable of converting energy into movement and forces. The self-propelled structure can be equipped with sensing and actuating attachments to perform myriad complex tasks. Nanomotors are currently the subject of intense interest due to their potential applications in nanomachinery, nanomedicine, fluidic systems, nanoscale transport, and assembly. The type of nanomaterial used in their fabrication plays a critical role in future functionality, enabling important biomedical, analytical, and environmental applications.

This Special Issue aims to highlight the most recent and promising technologies in nano- and micromotors, their materials, fabrication, and applications. Reviews, original research papers, and communications are all welcome. Potential topics include, but are not limited to:

1. Micro- and nanomaterials for micromotor fabrication.
2. Role of micro- and nanomaterials in micromotor propulsion.
3. Recent advances in fuel-free (magnetic and light-propelled) micromotors.
4. Applications in analytical sensing, biomedicine, or environmental remediation.

# nanomaterials

IMPACT FACTOR 4.4 | Indexed in: PubMed | CITESCORE 8.5

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