Special Issue

Nanomaterials in Flexible Hybrid Electronics

Message from the Guest Editors

The background and history of this topic reveal a progression from rigid electronic systems to the exploration of materials and structures that offer mechanical flexibility, giving rise to innovative applications. Flexible hybrid electronics (FHE) and mechanics is a novel approach to electronic manufacturing that aims to combine the best of printed, conventional electronics with nanomaterials, to create advanced systems capable of conforming to various shapes and flexibilities. The scope of the Special Issue lies in showcasing cutting-edge research that pushes the boundaries of this field. The objective is to feature advancements in healthcare, robotics, aerospace, automotive, and consumer electronics, emphasizing lightweight and flexible products. Researchers are encouraged to submit papers focusing on wearable electronics, soft robotics, flexible sensors, stretchable displays, and related technologies. Papers should address the challenges and opportunities in this evolving field, fostering a deeper understanding of its potential impact on industries. You can submit your paper at the following link: https://www.mdpi.com/si/194362

Guest Editors

Dr. Xingzhe Zhang

Dr. Dinesh Maddipatla

Dr. Simin Masihi

Deadline for manuscript submissions

closed (30 July 2024)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/194362

Nanomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nanomaterials@mdpi.com

mdpi.com/journal/nanomaterials

MDPI

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

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, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

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

MDPI