

## Special Issue

# Nano-Device for Electronics and Sensor Applications

### Message from the Guest Editor

In recent years, nanotechnology has revolutionized the landscape of electronics and sensor applications, enabling the development of devices with unprecedented performance and functionality. The miniaturization of components at the nanoscale has led to enhanced sensitivity, efficiency, and integration capabilities, paving the way for innovations in various fields, including environmental monitoring, healthcare, and smart technologies. This Special Issue aims to bring together cutting-edge research, methodologies, and practical applications related to nano-devices in electronics and sensing. We welcome high-quality original research articles, review papers, and technical notes that explore topics such as the design and fabrication of nano-scale sensors, energy-efficient nano-electronic components, and novel materials for enhanced device performance. By fostering a collaborative environment for researchers, scientists, and industry professionals, this Special Issue aspires to advance the understanding of nano-devices and their transformative potential in shaping the future of electronics and sensor systems.

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### Guest Editor

Dr. Enxiu Wu

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### Deadline for manuscript submissions

10 July 2026



## Nanomaterials

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CiteScore 9.2  
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## 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.

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### Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

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