

## Special Issue

# Research of Conductive Nano-Scale Technology Tailored to Semiconductor Industry

### Message from the Guest Editors

Conductive nano-scale technology is an emerging field of technology that studies conductive materials and systems at the nanoscale. The key to this technology lies in leveraging the characteristics of the nanoscale, such as surface science, organic chemistry, semiconductor physics, molecular biology, etc., to manufacture materials, devices, and systems with specific functions. The conductive nano-scale technology offers us a novel way to construct materials and products at the micro and macro levels with atomic precision. This Special Issue aims to gather and showcase cutting-edge research and advancements in the field of conductive nano-scale technology, with a particular focus on its applications and implications for the semiconductor industry. We believe your expertise and insights would enrich the content and discussions in this issue. The submission deadline is 25 August 2024. Please reach out if you have any questions or require further information. We look forward to your engagement and potential collaboration on this project. See more information in: <https://www.mdpi.com/si/192663>

### Guest Editors

Dr. Yunlong He

Dr. Jiaxing Wei

Prof. Dr. Xiaoli Lu

### Deadline for manuscript submissions

5 December 2025



## Nanomaterials

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Impact Factor 4.3  
CiteScore 9.2  
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### 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.

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### Editor-in-Chief

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