Special Issue

New Perspective on Micro- and Nano-Lithography Technology

Message from the Guest Editor

This Special Issue will showcase cutting-edge research and advancements in micro- and nano-lithography, which play pivotal roles in shaping next-generation nanomaterials and devices. With rapid advancements in lithographic techniques, including EUV, nanoimprint, and directed self-assembly, the possibilities for innovative applications across electronics, photonics, and biomedical engineering are expanding like never before. We are particularly seeking original research articles, comprehensive reviews, and perspectives that address the following:

- Novel lithographic techniques and methodologies;
- Applications in nanofabrication and device integration;
- Challenges and solutions in patterning at the atomic scale:
- Hybrid approaches combining top-down and bottomup techniques.

Contributions from both academia and industry are highly encouraged to ensure a comprehensive exploration of this dynamic field.

Guest Editor

Dr. Isabella Farella

Institute for Microelectronics and Microsystems (IMM), CNR, Via Monteroni, 73100 Lecce, Italy

Deadline for manuscript submissions

10 March 2026



Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3 CiteScore 9.2 Indexed in PubMed



mdpi.com/si/228174

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

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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 nanometerscale 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

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