

Special Issue

Perspectives and New Horizons of Nanowires: From Synthesis to Applications

Message from the Guest Editor

This Special Issue will showcase the research on nanowires covering (but not limited to) the following topics: (i) new insights on the nanowire growth, (ii) novel synthetic methods, new materials and nanowire architectures, (iii) surface, interfaces and crystal structure in 1D nanocrystal, (iv) insights into the physical and chemical properties of nanowires, and (vi) application and device implementation of nanowires. This issue will highlight interdisciplinary research with contributions from varied research fields including materials science, physics, chemistry, engineering and biology.

Guest Editor

Dr. Subhajit Biswas

School of Chemistry, University College Cork, Cork, Ireland

Deadline for manuscript submissions

closed (31 March 2022)



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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 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.

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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