

## Special Issue

# Nanomaterials for Applied Nanotechnology and Nanoscience

### Message from the Guest Editor

To date, nanoscale technologies are actively studied and applied to solve all the most pressing global challenges, from human health to the environmental crisis. Applied nanotechnology is also substantially contributing to mitigate the dramatic effects of the current outbreak of new coronavirus, for example, by providing technologies for rapid diagnostic tests. This Special Issue is associated with the Applied Nanotechnology and Nanoscience International Conference (ANNIC 2021) and aims to showcase the most recent advances in the synthesis and characterisation of nanomaterials with a focus on their technological application. Submissions from participants to the conference and non-participants are equally encouraged, as long as they fall within the scope of this Special Issue. In this Special Issue, original research articles and reviews are welcome. Research areas may include, but are not limited to, the following: nanoplasmonics, nanoelectronics, nanomagnetism, nanosensors and bionanosensors, nanocatalysis, nanochemistry, nanobiology, nanotoxicology, nanomedicine and medical nanodevices, and nanotechnology for the environment and energy.

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### Guest Editor

Dr. Enrico Ferrari  
School of Life Sciences, University of Lincoln, Lincoln, UK

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### Deadline for manuscript submissions

closed (30 November 2022)



## Nanomaterials

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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.

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### Editor-in-Chief

Prof. Dr. Shirley Chiang  
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