

## Special Issue

# Modelling and Mechanical Behaviour of Nanostructured Materials

### Message from the Guest Editor

This Special Issue aims to showcase the most recent advances in computational modelling and simulation of the mechanical properties of nanomaterials. It also focuses on showing the key role that such theoretical insights play in implementing and further advancing and expanding the applications of nanomaterials to areas covering, but not limited to, nanobiophysics, nanobiophotonics and nanoelectronics, and nanoenergy. Articles on the mathematical modelling of the mechanical behaviour of natural and artificial nanomaterials, as well as smart nano- and meta-materials are also welcome.

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### Guest Editor

Dr. Elisabetta Canetta

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### Deadline for manuscript submissions

closed (20 September 2024)



## Nanomaterials

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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

Prof. Dr. Eugenia Valsami-Jones

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