

## Special Issue

# New Insights in Toxicity and Cytotoxicity of Nanomaterials

### Message from the Guest Editors

The emerging field of nanoscience has provided new advantageous materials for human use, with applications for innovative nanomaterials (NMs) and diverse consumer products, such as electronics, food and feed, cosmetics or even pharmaceuticals. For innovation to keep pace with safety, new challenges arise for testing nanomaterials, in view of their biological moiety. In fact, the changes in the physicochemical properties of the NMs once in contact with cellular components, such as superficial charge or corona formation, may hamper the interpretation of current toxicity tests, requiring the modification of procedures, new methods and a novel outlook on risk assessment. This Special Issue aims to include research studies which focus on the potential adverse effects of nanomaterials and nanoparticles and articles which discuss the development of safer and sustainable materials which can provide major societal benefits.

### Guest Editors

Dr. Maria João Silva

1. Department of Human Genetics, National Institute of Health Dr. Ricardo Jorge (INSA), Av. Padre Cruz, 1649-016 Lisbon, Portugal
2. Centre for Toxicogenomics and Human Health, NOVA Medical School, NOVA University of Lisbon, Lisbon, Portugal

Dr. Henriqueta Louro

1. Department of Human Genetics, National Institute of Health Dr. Ricardo Jorge (INSA), Av. Padre Cruz, 1649-016 Lisbon, Portugal
2. Centre for Toxicogenomics and Human Health, NOVA Medical School, NOVA University of Lisbon, Lisbon, Portugal

### Deadline for manuscript submissions

closed (30 April 2023)



## Nanomaterials

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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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## 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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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### 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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