

# Special Issue

## Applied Physics and Nanomaterials

### Message from the Guest Editors

This Special Issue touches on technological advances within the topic of materials, such as the development of processing–structure–property–performance relationships, the design of multifunctional and nanocomposite coatings for specific applications, and size effects. Additional emphasis is given to improving practical investigations, such as experimental plasma and laser technologies, nuclear physics and experimental particle physics for extreme environments, along with advances in instrumentation and measurement techniques. This Special Issue will also be devoted to contributions on various research and developments on biophysics and biotechnology, thereby providing an insight into the current developments in these fields. This Special Issue is associated with the “*The 20th International Balkan Workshop on Applied Physics and Materials Science*”.

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### Guest Editors

Prof. Dr. Rodica Vlădoiu

Prof. Dr. Milan Tichy

Prof. Dr. Silviu Polosan

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### Deadline for manuscript submissions

closed (31 January 2023)



## 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. 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

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