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Microscopy of nanomaterials

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Message from the Guest Editor

The main objective of this Special Issue is to extend the knowledge and highlight the importance of microscopy techniques in developing and characterising various nanostructures such as nanoparticles, nanowires, and thin films, and their interactions with different materials. The domains in which microscopy techniques will be used are both in life and materials science with applications from biomedical devices, drug delivery systems, medical imaging to multiferoic materials, high-energy batteries, capacitors, superconductors, and aerospace components. The main point to keep in mind for this Special Issue of *Nanomaterials* is that it will attempt to cover the usage of microscopy techniques as the main tool to investigate recent advances in the synthesis, processing, and application of nanostructured materials.



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

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