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# Smart and Multifunctional Nanomaterials for Sensors and Actuators

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Deadline for manuscript submissions:
**closed (20 February 2024)**

## Message from the Guest Editors

Dear Colleagues,

Smart and multifunctional materials have been extensively explored for several applications, including sensors and actuators. For this purpose, polymer-based composites incorporating different active fillers, including different types of micro and nanoparticles and ionic liquids, among others, have been developed. In particular, ionic liquids have received special attention due to their high ionic conductivity and variety of functional properties as a result of the combination of different cations and anions.

This Special Issue of *Nanomaterials* aims to cover the recent advances in smart and multifunctional polymer-based materials with a particular focus on nanoparticle and ionic liquid-based polymer composites for sensor and actuator applications.

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## Editor-in-Chief


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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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