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Advances in Electrofunctional Nanomaterials for Actuation, Sensing, and Smart Textiles

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Message from the Guest Editor

Dear Colleagues,

This Special Issue, entitled "Advances in Electrofunctional Nanomaterials for Actuation, Sensing, Smart Textiles, and Energy Conversion", is to possess observed growing interest in the design, fabrication, and application of electrofunctional nanomaterials for actuation, sensing, smart textiles and energy conversion uses in many fields. Energy harvesting/storage, actuators, force/pressure measurement, porosity or color variation, and sensors (movement, temperature, and chemicals) are just some of these functionalities.

Considering your prominent contributions to this interesting research field, I would like to cordially invite you to submit a paper to this Special Issue through the webpage of the journal. The manuscript should be submitted online before 30 December 2023. The submitted manuscripts will then be fast-track reviewed. I would very grateful if you make your interest in contributing a paper known at your earliest convenience. Research articles, review articles, perspectives, as well as communications and letters are also welcome. See more information in <https://www.mdpi.com/si/159634>

Prof. Dr. Javad Foroughi
Guest Editor



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Special Issue



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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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