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Smart Materials, Sensors, and Coatings Technology

Guest Editor:

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Deadline for manuscript submissions:
closed (31 August 2021)

Message from the Guest Editor

This Special Issue in the *Nanomaterials* journal aimed at exploring the creation and utilization of novel forms of materials and coatings from a multidisciplinary point of view. It seeks to be a leading issue in the area of smart materials, sensing, and coating technologies, publishing the most important results from different regions of the world.

- Nanomaterials for sensing applications
- Nanomaterials for space applications
- Optical fiber sensing application
- Smartmaterials and structures (applications of smart materials in structural engineering)
- The science of smartmaterials
- Graphene- and carbon-nanotube-based smartmaterials
- Switchable materialsfor smart windows (electrochromic materials, photochromic, IR filters, etc.)
- Nanomaterials in anticorrosion coatings technology
- Nanomaterials in self-healing materials and structural health monitoring
- Concepts for smartnanocomposite materials

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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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