



State-of-the-Art Nanomaterials for Energy Storage/Conversion and Catalysis in Spain

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Message from the Guest Editors

With this Special Issue, we aim to collect recent research studies developed in the Spanish Scientific Community, related with new nanomaterials applied to energy storage/conversion and/or as catalytic materials. Although Spain is a country with a not remarkably high population and with moderate technological–industrial potential, the scientific production capacity of its researchers on the subject of this Special Issue is remarkable. Research topics included in this call include but are not limited to the following:

- Design, preparation, and characterization of nanomaterials for batteries, supercapacitors, fuel cells, solar cells, catalysts, photocatalysts, and sensors;
- Structure and morphology of nanomaterials in relationship with their performance and with reaction mechanisms;
- Applications in energy storage, energy conversion, hydrogen production, synthesis of chemicals, treatment of environmental waste materials, detecting toxic or hazardous materials, etc.





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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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