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## Green Synthesis of Nanomaterials and Its Applications

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Deadline for manuscript  
submissions:

**closed (31 August 2021)**

### Message from the Guest Editor

Dear Colleagues,

Nanotechnology is a research field that has experienced enormous expansion and a rise in scientific interest in recent years. However, interest is also rising in the anthropogenic effect into the environment. Consequently, alternative efficient procedures for the synthesis of nanoparticles are also on the focus of research. Cost-effective nanoparticle synthesis pathways, using renewable resources or employing byproducts of other activities are attracting scientists' interest, in line with a world immersed in the circular economy concept. The use of complex matrixes, sometimes not well defined, is not free of new scientific challenges and limitations. This Special Issue will describe green synthesis approaches for the preparation of metallic nanoparticles and their applications.

Dr. José Luis Barriada Pereira  
*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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