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# Nanotechnology for Clean Energy and Environmental Applications

Guest Editors:

**Dr. Marco Stoller**

**Dr. Javier Miguel Ochando-Pulido**

**Prof. Dr. Luca Di Palma**

**Prof. Dr. Hongxun Hao**

Deadline for manuscript submissions:
**closed (28 June 2019)**

## Message from the Guest Editors

Dear Colleagues,

It is our pleasure to invite you to contribute to this Special Issue on "Nanotechnology for Clean Energy and Environmental Applications". Nanotechnologies have shown great potential for novel clean energy production and transportation, water preparation, wastewater treatment, air depollution and soil remediation.

We welcome the contributions of researchers and engineers from universities and institutions as well as stakeholders from industry, to present recent advances, new approaches, novel synthesis routes, production equipment or processes and enhanced materials on the application of nanotechnologies for energy and the environment.

We hope you may assist reporting your work within this Special Issue, in order to finalize and gather a collection of the most relevant contributions in this field together.

Prof. Marco Stoller
Prof. Javier Miguel Ochando Pulido
Prof. Luca Di Palma
Prof. Hongxun Hao
*Guest Editors*

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## Editor-in-Chief


**Prof. Dr. Eugenia Valsami-Jones**
School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK


## 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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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