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Advances in Functional Nanomaterials for Environmental Applications

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Message from the Guest Editors

This Special Issue aims to assemble and review a broad range of ideas with inter- and multidisciplinary from leading experts in the fields of chemistry, physics, nanotechnology, materials science, and engineering. This Special Issue is focused on the emerging concepts in and improvement of environmental basic research, and will cover the following topics (but is not limited to these):

- The design and synthesis of functional nanomaterials;
- Environmental remediation (water treatment and pollutant removal);
- Photocatalysis;
- Novel transport/transformation of nanomaterials and contaminants;
- Nature-inspired materials in environmental applications;
- Solar-energy-driven photocatalysis;
- Sustainable materials originating from safe and natural resources;
- Environmental sensing and monitoring.

It is our pleasure to invite you to submit a manuscript to this Special Issue. Full papers, short communications, and reviews will be greatly appreciated.



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Special Issue



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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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