Special Issue

Advanced Technologies and Materials for Wastewater Treatment

Message from the Guest Editors

Water pollution represents a significant concern due to the considerable number of emerging contaminants (e.g., additives, pesticides, pharmaceuticals, personal care products, detergents, etc.) generated by different industries, hospitals, domestic sewage, agriculture, etc. These contaminants can be accumulated and are considered as a potential risk for both human health and the environment. An important action is to find new solutions, in principle without secondary effects for the environment, for removal of the contaminants. In this Special Issue, we invite investigators to contribute original research articles, as well as review articles related to the preparation and characterization of materials and applications of the obtained materials in wastewater treatment. Potential topics include but are not limited to the following:

- Synthesis and characterization of new materials with potential applications in wastewater treatment;
- Evaluation of the materials as adsorbents or photocatalytic properties;
- Application of materials to remove toxic emerging contaminants from wastewaters.

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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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