Special Issue

Advanced Materials for Water Remediation

Message from the Guest Editors

Water is one of life's most valuable and necessary resources. The impurity of water by pollutants released from the different industries have a critical threat to the environment and to human health. Chemical, biological, and physical methods are available for wastewater treatment. Nevertheless, each procedure has its own set of benefits and drawbacks. The adsorption process has long been pointed out as the most popular treatment recommended to remove the contaminants from an aqueous solution due to some obvious advantages, such as: lower production of secondary harmful substances and minimum energy requirement. An efficient and sustainable adsorption process depends on the type of adsorbent used. In the actual scientific context it is underlined that detailed studies about implementing a cheap and highly efficient adsorbent to treat the water contaminated with different pollutants is an interesting challenge and have to be conducted.

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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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