Special Issue

Materials Design for Pollutant Sensing and Environmental Remediation

Message from the Guest Editors

Many countries around the globe do not have proper drinking water provision and lack proper sanitation. Environmental sustainability, water purification, and water management must be linked together, and for this reason, urgent innovative technologies that use clean energy and deal with pollutants efficiently are necessary. For these reasons, the scientific community is always in search of new and more efficient materials applied for environmental remediation through photocatalysis and adsorption processes. In addition, high industrialization with large pollutant discharge makes the improvement of fast and sensible detection methods for pollutant compounds in water solutions necessary, and thus, the development of materials for sensory applications represents an emerging sector. In this context, you are invited to submit a manuscript to this Special Issue that aims to collect contributions on innovative functional materials obtained with simple, green, and new synthetic or biosynthetic routes for environmental remediation and sensory applications.

Guest Editors

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Deadline for manuscript submissions

closed (10 April 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/70772

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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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