

Special Issue

Adsorption Materials and Their Applications

Message from the Guest Editor

The intensive development of analytical methods has resulted in an increased number of substances detected in environmental matrices called emerging pollutants. Although they are detected at relatively low concentrations, their persistence and frequent bioactivity makes them refractory pollutants. Nowadays, existing methods of water and wastewater treatment are ineffective in their removal; thus, there is a need to develop new effective and environmentally friendly methods for their removal. Among various proposed techniques, adsorption seems to be the solution. Designing effective and environmentally friendly materials is of great importance nowadays. Adsorption is effective, cheap, and does not require any harsh conditions. Furthermore, the transformation of wastes into precious products such as sorbents meets the requirements of circular economy and sustainable development and enables the realization of several SD goals. Engineered materials dedicated to the removal of toxic, refractory pollutants may solve several environmental problems.

Guest Editor

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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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