Special Issue

Functional Composite Materials for Environmental Applications

Message from the Guest Editor

Functional materials have long been researched for various environmental applications, such as water purification, resource recovery, air purification, and gas storage, with many more uses possible. To move advanced materials forward they need to be synthesized with a function-led design as reported by Andrew Cooper, nevertheless to be practically implemented over traditional technologies further work is required on the stability, resuability, and scalability. Composite materials are of great interest due to the ability to combine benefits from multiple facets to work in concert to reach said goals. Numerous approaches can be used when designing composite materials to increase selectivity, enhance recovery and reuse, and improve the robustness, to name a few. The design and synthesis of functional composite materials offers great potential in their future for environmental applications and to create next-generation solutions to current environmental issues. This special issue is a collection of current research in functional composite materials. Contributions were solicited from researchers working on the synthesis and environmental application of novel materials.

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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