Special Issue

Advanced Materials and Technologies in Separation

Message from the Guest Editor

Separation and adsorption are widely used in various industrial fields and scientific research, including climate change, environmental pollution, rare element extraction, pharmaceutical production, and waste recycling. Therefore, enforcing new approaches to the synthesis of advanced materials and progress in separation technologies will lead to a better world through the pursuit of purity and order. This Special Issue aims to provide a forum for the discussion of recent advances in separation technologies, including ion exchange and membrane filtration, as well as the latest development of advanced adsorption materials such as carbon-based materials, silica-based materials, biomaterials to metal-organic frameworks, and covalent–organic frameworks. Researchers are cordially invited to submit relevant manuscripts concerning the development of advanced technologies and materials for a Special Issue entitled “Advanced Materials and Technologies in Separation and Adsorption” in the journal *Materials*.

Guest Editor

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Deadline for manuscript submissions

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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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