# Special Issue

# Multifunctional Materials for Biomedical, Cosmetic, and Purification Applications

## Message from the Guest Editor

Multifunctional materials are modern substances with unique properties, which makes them useful in various fields of science and technology, such as biomedicine, cosmetology, and environmental protection. Materials such as metal nanoparticles, biopolymers, and hydrogels are used in dressings and implants, and are employed to improve the effectiveness of therapy. They have antibacterial properties, support wound healing, and enable controlled drug release, consequently being employed in implantology and tissue engineering. Zinc oxide, colloidal gold, hydrogels, and biopolymers increase the effectiveness of cosmetics, moisturizing masks, and long-acting cosmetics. They protect the skin from UV radiation, support regeneration, and have antibacterial properties, which are particularly important qualities in anti-aging and dermatological products. Materials with adsorption and catalytic properties are used in wastewater and water treatment and help to remove chemical pollutants, heavy metals, and microorganisms.

## 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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