

Special Issue

Synthesis and Surface Functionalization of Organic and Inorganic Materials

Message from the Guest Editor

The functionalization of organic and inorganic materials can radically extend their unique properties to a wide range of various key applications, e.g., in catalysis, photonics, electronics, sensors, regenerative medicine, tissue engineering, drug delivery and energy conversion. Functionalization can be achieved by surface structuring, chemical modification (covalent or non-covalent interactions, element doping), coating or their combination. Strategies for localizing multiple functional groups, their conjugation and cooperative behaviour are also important. This Special Issue aims to provide access to the latest developments in this broad and multidisciplinary field. It will cover all topics related to synthesis, characterization and applications of the materials dedicated to strategic sectors: medicine, photonics, electronics, catalysis, and energy.

Guest Editor

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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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