# Special Issue

# Functional Nanomaterials for a Better Life

### Message from the Guest Editors

Over the last two decades, the increasing ability to finely manipulate matter at the nanometer level has opened up a host of new opportunities. Being able to tune the size, structure, composition, and morphology of inorganic, organic, and hybrid. The potential of nanostructured materials is very wide. Such activities are strongly fueled by the broad range of functional applications for the developed materials, encompassing better thermally insulating materials for building, sharper and cheaper screens, elimination of environmental pollutants, distributed sensors for flammable and toxic gases, advanced devices for energy production and accumulation, new biomedical diagnostic techniques, longer-lasting prosthetics, drug delivery, smart food packaging, and water purification, among others. The purpose of this Special Issue is to gather the latest results in the modeling, simulation, synthesis, advanced characterization, and the potential applications of nanostructured materials. We encourage the submission of reviews, mini-reviews, original articles and short communications highlighting the potential of nanomaterials to improve the environment and human life.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 September 2022)

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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.

## Editor-in-Chief

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