Special Issue

Biohybrid and Composite Materials

Message from the Guest Editors

Biomolecules offer an excellent hybrid and composite material design platform. Examples include carbohydrates, proteins, nucleic acids, and biominerals. More importantly, due to continued advances in biotechnology, designer DNA molecules, DNA nanostructures, genetically modified virus coat proteins, and various hybrid systems have been explored for new generation functional materials, scaffolds, and devices. This Special Issue is focused on the emerging concepts for the strategic design of structural and functional hybrid biomaterials, characterization and their application in materials science, biomedicine, and addressing other societal challenges such as water purification, carbon dioxide capture, and energy storage. Scientifically valid and technically sound papers related to any aspect of these biohybrid and composite materials—with an emphasis on the emerging trends in the field—will be considered for this Special Issue. Each manuscript will be handled by the editorial board and peer-reviewed by referees. We expect contributions from researchers working on a wide variety of chemistry, materials science, biology, physics, and computational science.

Guest Editors

Prof. Dr. Nonappa

Dr. Eduardo Anaya Plaza

Dr. Veikko Linko

Deadline for manuscript submissions

closed (31 May 2022)

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About the Journal

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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