



materials



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Advances in Solid State and Materials Chemistry

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In this Special Issue of the journal *Materials* entitled Advances in Solid State and Materials Chemistry, we will provide the opportunity to explain the connection between the structure, microstructure, and final properties of a wide range of materials, including crystalline, amorphous, organic, and nanomaterials, through various scientific articles. Key to the scientific discussion will be the presentation of synthesis methods and the methods and types of characterisation of such materials, with a focus on priorities and innovations. Knowledge of the potential technological applications of such materials will also be included in this Special Issue. It is also oriented towards studies of chemical, structural, thermodynamic, electronic, magnetic, and optical properties and processes in solids so that readers will be able to gain a deeper insight into the behaviour of solid materials.



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Special issue



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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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