

## Special Issue

# Advanced Ceramics and Composites: Design, Structure, Processing, Properties, and Applications

### Message from the Guest Editor

This Special Issue aims to publish research works which show recent advances in functional ceramics (ionic conductors, electrical, magnetic and superconductive ceramics), structural ceramics (monoliths of oxides, nitrides, carbides, borides, and composite materials based on these materials), bioceramics (hydroxyapatite and alumina), ceramic coatings (oxides, nitrides, carbides, borides, cermets, and diamond-like coatings, deposited by different technologies), and special glasses (processed flat glass, fire-resistant glazing, and glasses for optoelectronics) from a wide approach, involving manufacturing methods, forming processes or applications, and paying special attention to the relationship between processing, structure, and properties. Of particular interest are recent advances of newly developed shaping techniques, either conventional or additive, and improved methods addressing industrial needs.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 October 2023)



## Materials

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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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### Editor-in-Chief

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