

# Special Issue

## Functional Electroceramics

### Message from the Guest Editor

Functional Electroceramics are among the most important functional materials and are indispensable for outstanding technological developments. They increasingly gain importance in digitisation and telecommunications as miniaturised electronic components, as electrode materials for batteries or fuel cells, or as actuators and sensors.

Piezoceramics especially have become a hot topic within the past decade. Legislations against the use of hazardous substances sparked research into environmentally friendly alternative materials. This has an extraordinary impact on research on lead-free piezoceramics. A wide range of new material systems was created or already known ones were rediscovered. These include extraordinary ion-conducting or semiconducting properties, as well as mechanical, electrical and structural processes under the influence of external stimuli. For materials science, these properties are of particular importance in connection with the transition from a fossil fuel-based society to the use of renewable energies.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

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### Guest Editor

Dr. Manuel Hinterstein

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### Deadline for manuscript submissions

closed (30 June 2020)



## 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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