

Special Issue

Mechanical Properties and Applications of Advanced Ceramics: Second Edition

Message from the Guest Editor

Various industrial processes require the application of advanced materials that are resistant to corrosion in order to prevent or decrease losses due to wear, reduce the downtime of equipment that is in contact with an aggressive environment, and increase efficiency and process quality. Therefore, the production of inorganic non-metallic materials, such as advanced ceramics, is economically very important, and it is one of the most attractive economic branches in developed countries. This Special Issue will focus on mechanical properties, resistance to various wear mechanisms, and the factors that affect the chemical stability (i.e., corrosion) of various types of advanced ceramics. It is our pleasure to invite you to submit a manuscript for this Special Issue. Topics on all aspects of corrosion, wear, and mechanical properties of advanced ceramics are suitable for this Special Issue. We welcome full papers, communications, and reviews. We look forward to your contributions.

Guest Editor

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Message from the Editorial Board

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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