

Special Issue

Mechanical Properties and Applications of Advanced Ceramics

Message from the Guest Editors

Dear colleagues, Advanced ceramics, as a new class of ceramic materials with a unique combination of corrosion and wear resistance and high-temperature stability, have a growing application potential for the wear and corrosion protection of different working parts in mining and mineral industries. These working parts have to withstand a continuous flow of hard abrasive particles, often in highly corrosive environments, flowing at high velocities and pressures. 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. Full papers, communications, and reviews are all welcome.

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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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