

Special Issue

Advances in Structural Ceramic Materials

Message from the Guest Editor

This Special Issue aims at advances in structural ceramic materials from two perspectives. The first point of view is material science representing the development and characterization of new structural ceramic materials. The second one—which is equally important—is the engineering point of view, representing ceramics processing from powder technology to compounding, forming and shaping, and sintering and machining. I would like to encourage scientists from both fields to contribute short communications, full articles, and reviews to this Special Issue. The topics to be addressed are, e.g.:

- Oxide ceramics (alumina, zirconia, composites);
- Non-oxide ceramics (silicon carbide, silicon nitride, composites);
- Characterization (microstructure, mechanical properties at ambient and high temperature, fracture mechanics);
- Processing of ceramics;
 - Powder technology;
 - Compounding of feedstocks;
 - Shaping of components (conventional and additive);
 - Sintering (conventional, pressure assisted, SPS);
 - Machining (green machining, final machining, non-conventional machining).

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Ceramics (ISSN 2571-6131), an international, open access journal, provides an advanced forum for ceramics science and engineering. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We are committed to drive *Ceramics* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts. Your contribution should lead to the development of technical ceramics with better performances and to improve our quality of life.

Editor-in-Chief

Prof. Dr. Gilbert Fantozzi

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