Special Issue

Additive Manufacturing of Ceramic-based Materials

Message from the Guest Editors

Additive manufacturing (AM) or 3D printing is a fast-growing technique for fabricating parts layer-by-layer directly from 3D digital models. AM has tremendous potential for producing high-value, complex, individually customized parts. As technological progress continues in the field, it can be expected that AM technologies will have an extraordinary impact on the industrial production of ceramic components, and will open up new possibilities for ceramics uses and markets. This Special Issue will highlight recent advances in the additive manufacturing of ceramic-based materials. Full-length research articles, reviews, and short communications are encouraged. The topics of interest include but are not limited to:

- Established ceramic AM techniques;
- Hybrid ceramic AM processes, and novel approaches;
- Computational and experimental investigations of process–microstructure–property relations;
- Data-driven process optimization and quality control of AM ceramic-based components;
- Multi-material additive manufacturing;
- Novel applications of AM ceramic-based components.

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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

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