



Advances in Ceramic Processing and Application of Ceramic Materials

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Message from the Guest Editors

Ceramics can be considered significant constituents of world technical and scientific progress. Modern ceramic materials, made using advanced methods and from specially synthesized and prepared starting powders, are used in space engines, aviation, electronics, metallurgy, chemistry, medicine and surgery. Oxide ceramic materials found their applications somewhat earlier, but their excellent properties still excite designers and engineers.

Nitride- and SiAlON-based ceramics attracted attention between 1970–1990, but nowadays the interest to nitride-based compounds is growing. Carbide- and boride-based ceramics are waiting to be implemented in the future jets and space vehicles. Yet, all these excellent materials only find their applications through advanced processing, because the extreme properties of ceramic materials may only be reached through precise processing.

The Special Issue is devoted to:

- Advances in Ceramic Materials
- Advances in Ceramic Processing
- Application of Ceramic Materials





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Message from the Editor-in-Chief

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