



Advances in the Field of Nanostructured Ceramic Composites

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Message from the Guest Editors

Nanostructured composite ceramics present an important scientific and technological knowledge content. Therefore, a successful approach to nanostructuration, that means a strict control of phase composition and distribution at the nano-microscale and consequently of the performances at the macroscale, requires a rigorous tailoring of each step of the ceramic manufacturing chain and innovative routes for the production of composites powders as well as for their shaping and densification.

The intent of this Special Issue is to review the state-of-the-art of nano-composite ceramics, but also to focus on new developments in concepts and technologies.

Topics include, but are not limited to the following:

- Novel processing of composite powders and components
- Nano/microstructure-property relationships
- Oxide and non-oxide composite materials
- Dense and porous components as well as coatings
- Innovative design of composite nano-microstructures
- Sintering strategies to preserve nanostructuration
- Improvements in properties of nanostructured composite materials
- Advanced characterization tools for





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Message from the Editor-in-Chief

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