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Micro and Nano Processing Technologies of Modern Ceramics

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Message from the Guest Editor

The "Micro and Nano Processing Technologies of Modern Ceramics" book project aims to systematically present the techniques most used for the preparation of advanced ceramic materials, their relation with the structure and properties, and the subsequent technological application(s).

This book is intended to be a reference for students and professionals looking to understand the key concepts of ceramic engineering, introducing the interrelationships between processing; micro and nanostructure; physical, chemical, and biological properties; and applications. Therefore, the processing technologies to be included are not just the traditional ones, and should not be restricted to additive, subtractive, modification or doping conformation techniques, whether based on physical or chemical methods. It is intended to provide high coverage in the presentation of the currently most used and modern processing technologies.

Keywords

- processing techniques
- ceramics
- optics
- dielectrics
- optoelectronics
- electronics
- biomaterials
- biomedicine
- energy



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Message from the Editor-in-Chief

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