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Micro and Nano Processing Technologies of Modern Ceramics

Guest Editor:

**Dr. Manuel Pedro Fernandes
Graça**

i3N and Department of Physics,
University of Aveiro, Campus
Universitário de Santiago, 3810-
193 Aveiro, Portugal

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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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Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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