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Processing and Characterization of Ceramic Materials Using Microwave Techniques

Guest Editor:

Dr. Giuseppe Annino
Istituto per i Processi Chimico Fisici, Consiglio Nazionale delle Ricerche, Via G. Moruzzi 1, 56124 Pisa, Italy

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Message from the Guest Editor

Dear Colleagues,

Ceramic materials are ubiquitous in our daily lives. Nonetheless, their applications are steadily increasing owing to their unique physical and chemical properties. Strategic sectors, such as energy, defense, health, communications, and aerospace, are benefiting from these materials, and often push their limits. On the other hand, high-end applications frequently correspond to high production costs, which limit the application of the most advanced ceramic materials in niche markets. Due to their rapid, specific, and selective heating, microwaves promise to reduce production costs.

The scientific and technical relevance of microwave-assisted processes is confirmed by the hundreds of publications that have appeared in recent years in the relevant literature.

To provide an overview of the state-of-the-art and emerging trends in the processing and characterization of ceramic materials using microwaves, we invite you to contribute to this Special Issue with your most recent research, including results, methodologies, or applications. Thanks to this Special Issue, your work may serve as inspiration to the many experts working in this exciting field!

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Editor-in-Chief

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

Tel: +41 61 683 77 34
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𝕏@Materials_Mdpi