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Production and Characteristics of Ceramic Matrix Composites with a Two-Dimensional Dispersed Phase

Guest Editor:

Dr. Paweł Rutkowski

Department of Ceramics and Refractories, Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Krakow, Poland

Deadline for manuscript submissions: closed (30 September 2021)

Message from the Guest Editor

Dear Colleagues,

This Special issue is focused on such two-dimensional particles as graphene, hexagonal boron nitride, molybdenium sulfide, etc.

Summarizing, this issue will accept papers concerning:

- Raw materials and mixture preparation for densification process;
- Sintering aids for final material manufacturing;
- Various production processes of dense, uniformed, gradient, and controlled porosity materials;
- Anisotropic properties of 2D ceramic matrix composites;
- Wear and oxidation resistance of sinters;
- Thermal and electrical properties;
- Application test of 2D/ceramic composites;
- 2D/ceramic composites shaping mechanical, electrical discharge machining, subtractive laser processing, and additive manufacturing;
- High temperature ceramic filters;
- Refractory materials containing 2D particles;
- Thermal computer simulation of properties of 2D/ceramic composites.









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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

 Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
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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Materials Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/materials materials@mdpi.com X@Materials_Mdpi