

## Special Issue

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

### Message from the Guest Editor

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

### Guest Editor

Dr. Paweł Rutkowski

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### Deadline for manuscript submissions

closed (30 September 2021)



## Materials

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## About the Journal

### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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### Editor-in-Chief

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