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Performance and Applications of Ceramic and Ceramic Composite Materials

Guest Editor:

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Message from the Guest Editor

The microstructure of ceramic composites plays a critical role in their performance in a wide range of applications in key areas including health, energy, environment, advanced manufacturing, electronics, and engineering. Through careful design, ceramic composites can offer unique properties tailored by the addition of particles, fibers, nano-fillers, and macro design (e.g., laminates), which meet specific application requirements. The study and understanding of ceramic composites offer unique opportunities to advance their use in society.

This Special Issue will focus on recent work that focuses on advancing the performance of ceramic composites. Topics can include, but are not limited to the following:

- Novel processing and effect on microstructures and properties.
- Use of secondary phases or multiple phases to achieve unique performances.
- Ceramic composites developed for challenging applications.



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Special Issue



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Message from the Editor-in-Chief

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