Special Issue

Latest Advances in Grinding Technology

Message from the Guest Editor

This Special Issue on the will highlight state-of-the-art advances in grinding technology. It is an operation that is difficult to avoid with respect to the manufacturing of hard materials and in the production of complex three-dimensional shapes. It will cover the following avenues:

- The use of nanotechnology in grinding operations;
- The use of neural networks and artificial intelligence in optimizing the grinding process;
- The use of ultrasound wave technology during the process of grinding;
- The new techniques in dressing operations for expensive diamond and other highly advanced grinding wheels;
- The latest techniques and investigations in coolant usage and operations;
- Ultra-precision grinding operations;
- Latest techniques for in-process grinding monitoring to achieve high-precision, high-efficiency, and low-cost operations;
- Optical and aero-mechanical profiling of grinding surface topography profiling;
- Process modeling and theoretical background of the heat transfer aspects of the grinding process.

For more information, please clink: mdpi.com/si/54508.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Journal of Manufacturing and Materials Processing (*JMMP*)(ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP.*

Editor-in-Chief

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