



## Latest Advances in Grinding Technology

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (15 November 2021)**

### Message from the Guest Editor

Dear Colleagues,

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:

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

For more information, please click: [mdpi.com/si/54508](https://mdpi.com/si/54508).

Dr. Talal Maksoud  
Guest Editor

**Special** Issue





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### Message from the Editor-in-Chief

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