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## Advances in the Machined Surface Integrity in Manufacturing Process of Materials

Guest Editors:

**Prof. Dr. Caixu Yue**

**Prof. Dr. Haibo Liu**

**Dr. Yinfei Yang**

**Prof. Dr. Minchao Cui**

**Dr. Yihang Fan**

Deadline for manuscript  
submissions:

**closed (20 April 2025)**

### Message from the Guest Editors

The surface integrity alteration induced by the machining process has a profound influence on the performance of a component. The cutting process directly affects the surface state of the machined parts (texture, morphology, residual stress, etc.) and the final performance of the workpiece. Therefore, it is of great significance to reveal the mapping relationship between working conditions, surface integrity, and workpiece functionality in cutting process. The effects of cutting parameters such as cutting speed, feed speed, cutting depth, and tool wear on the machined surface integrity during milling should be revealed. The relationship between the machined surface integrity and the performance of parts should also be explored.

This Special Issue provides an excellent opportunity for researchers who are studying and working with machined surface integrity in manufacturing processes, such as surface integrity in the turning process, the milling process, grinding process, shot peening process, rolling process and other high-energy modification processes. It is our pleasure to invite you to submit papers or reviews which are within the scope of this Special Issue.



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# Special Issue



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### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. 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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## Contact Us

*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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