

## Special Issue

# Advances in High-Strength Materials Processing: Machining, Surface Integrity Management, and Operational Properties

### Message from the Guest Editors

The special issue main aims and scopes of this Special Issue are to explore the latest advancements in the following fields:

- Details of chip shaping under machining of high-strength and unconventional materials;
- Physical phenomenon of cutting and abrasive processing;
- Modern designs of cutting and abrasive tools;
- The use of effective technological environments, such as near-dry cutting, minimum cooling and lubrication, high-pressure cooling, etc.;
- The impact of cutting and abrasive processing on the machined surface texture and the surface layer integrity;
- Development of high-performance and high-speed cutting;
- Friction and wear behavior of the surface machined.

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### Guest Editors

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### Deadline for manuscript submissions

closed (10 April 2026)



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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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