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# Emerging Trends in Metal Machining and Processes

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Deadline for manuscript submissions:
**closed (31 October 2023)**

## Message from the Guest Editors

Metal machining technologies have seen great demand in manufacturing industries such as automotive, aircraft, and machine tool industries due to their high production rate, improved quality, and accurate solutions. Through the continuous development in advanced metallic materials, cutting tools, the cutting environment, and advanced processing techniques and process control have led to the increased applications of metal machining technologies. Characterization studies on the effect of process parameters, tool grade, and tool geometry and its effect on machinability of metals have helped toward the development of new products and solutions for real-time machining problems. Moreover, traditional, non-traditional, and hybrid machining processes offer several advantages, such as the elimination of finishing operations, decreased work-piece distortion, reduction in lead times, and increased flexibility and reliability.

This Special Issue kindly invites researchers from the aforementioned fields to present new theoretical or experimental results and recent advancements in the form of research articles and reviews.

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## Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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**Journal Rank:** JCR - Q2 (*Metallurgy and Metallurgical Engineering*) / CiteScore - Q1 (Metals and Alloys)

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