



Sustainable Advancements and Modeling in Machinability of Difficult-to-Cut Composites and Alloys

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Message from the Guest Editors

Dear Colleagues,

The COVID-19 pandemic has pushed the modern manufacturing sector to seek advancements in machining processes with exceptional product quality, precise tolerances, and eco-friendly manufacturing. As mineral-based emulsion cooling is common practice in the industry to machine difficult-to-cut materials, design and machining using a complicated geometry, the rapidly growing material science, and the efficient cutting of difficult-to-cut aerospace alloys raise the need to develop and implement new sustainable technology solutions for efficient machining with fewer operator health complexities.

This Special Issue invites researchers to present recent advances and technologies developed for sustainable machining, modern cooling technologies, lubricoolants with superior heat transfer, FEM, and CFD, indicating future trends for machining processes.





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Message from the Editor-in-Chief

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