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Alloy and Metal Surface Modification: Friction Welding and Machining

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Message from the Guest Editor

In the last decade, there has been tremendous interest towards metal surface modification because of the enhancement of tensile strength, resistance to wear and corrosion, and potentially lucrative properties such as biocompatibility for diverse industrial applications. The increasing need to change the surface properties of the entire component or some areas to meet design and functional requirements is driving the development of surface engineering. This is widely recognized as an area of great importance to materials and mechanical engineers. Advancements in the addition of reinforcement to manufacture new nanostructured metal matrix composites provide great possibilities of breakthrough overcoming traditional challenges.

Owing to this need, this Special Issue deals with friction- and machining-based breakthrough technologies that have promising applications and huge cost benefits.

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Message from the Editor-in-Chief

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