



Advances in Surface Modifications of Metallic Materials

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Message from the Guest Editors

Dear Colleagues,

Surface modification plays a crucial role in enhancing the practical performance of metallic materials, such as preventing premature mechanical failures, enhancing electrical conductivity, achieving controllable tribology behaviour, boosting corrosion resistance, improving biocompatibility, etc., enabling them to meet the growing challenges posed by industries.

The purpose of this Special Issue, entitled “Advances in Surface Modifications of Metallic Materials”, is to compile research on various surface modification techniques, including severe plastic deformation treatment, surface manufacturing, introducing layers or coatings, and other innovative techniques. In addition, it aims to explore and investigate the relationship between processing, modified surface microstructure, performance, and the environmental conditions in which a material is intended to be utilized through experimental, simulation, or combined methods. Lastly, this Special Issue intends to provide guidelines and strategies for improving the performance of metallic materials for practical applications, benefiting both academic and industrial communities.





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Message from the Editor-in-Chief

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