

Special Issue

Advances in Surface Modifications of Metallic Materials

Message from the Guest Editors

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.

Guest Editors

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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