Special Issue

Advances in Surface Treatment and Coating Technology of Metallic Materials

Message from the Guest Editors

We would like to invite you to submit your work to this Special Issue on “Advances in Surface Treatment and Coating Technology of Metallic Materials”. A plethora of functional characteristics can be developed through metal and alloy surface engineering, including physical, chemical, electrical, electronic, magnetic, mechanical, wear-resistant, and corrosion-resistant properties at the required substrate surfaces. Moreover, as the use of certain metallic materials for biomedical applications increases continuously, progress in the field of specific treatments to provide biocompatible characteristics is to be considered as well. Therefore, the aim of this Special Issue is to publish original research articles and critical reviews on all aspects related to recent advances in the field of surface treatments and coatings applied to various metals and alloys to provide different functionalities. In addition, contributions related to the use of ionic liquids as more environmentally friendly replacements for more traditional surface treatments are welcome.

Guest Editors

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About the Journal

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.

Editors-in-Chief

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