Special Issue

Advanced Surface Modifications on Materials

Message from the Guest Editors

This Special Issue aims to explore the latest advancements in surface modifications on materials. Surface modifications encompass a wide range of techniques, including physical, chemical, and biological methods, as well as the incorporation of nanostructures and coatings. By carefully manipulating the surfaces of materials, researchers can modify their chemical composition, roughness, topography, and wettability, among other properties. These modifications can significantly impact a material's behavior, making it more resistant to corrosion, improving adhesion, enhancing biocompatibility, or providing unique optical, electrical, or mechanical properties.

This Special Issue invites original articles and reviews that delve into advanced surface modification techniques and their impact on material performance. Topics of interest include but are not limited to, the functionalization of surfaces using self-assembled monolayers, plasma treatment, laser ablation, electrochemical methods, and biomimetic approaches. Additionally, contributions focusing on the development of novel coatings, such as thin films, nanocoatings, and composite coatings, are highly encouraged.

Guest Editors

Prof. Dr. Rasoul Khandan

Faculty of Engineering and Science, University of Greenwich, London SE10 9LS, UK

Dr. Mahmoud Moradi

Faculty of Arts, Science and Technology, University of Northampton, Northampton NN1 5PH, UK

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Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

mdpi.com/journal/crystals

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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

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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