Special Issue

Corrosion Resistant Coatings for Metallic Materials

Message from the Guest Editors

In the last decade, metallic alloys have become more widely researched due to their special properties. Despite all their mechanical features, one limitation, related to high chemical reactivity and less compact oxidation films, increases the risk of corrosion. Various surface modification techniques must be adopted to impair this restriction, focusing on the electrochemical interaction between the intermetallic layers and the external environment. The purpose of this Special Issue, "Corrosion-Resistant Coatings of Metallic Materials", is to publish advanced theoretical research concerning various additional alloy coatings, along with experimental proof enabling researchers to practically resolve factors caused by corrosive environments. Such complexity has caused it to be even more necessary to address the effects of corrosion on coatings. Moreover, we hope for the electrochemical response to be discussed explicitly based on a detailed corrosion mechanism. All manuscripts are thoroughly reviewed, and those accepted will be published immediately online in an ongoing fashion in this Special Issue.

Guest Editors

Dr. Mosab Kaseem

Department of Nano Technology and Advanced Materials Engineering, Sejong University, Seoul, Korea

Prof. Dr. Burak Dikici

Department of Mechanical Engineering, Ataturk University, Erzurum 25240, Turkey

Deadline for manuscript submissions

closed (28 February 2023)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/138430

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

mdpi.com/journal/crystals

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/journal/crystals

About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)