

Special Issue

Corrosion Protection of Metallic Materials and Current Research

Message from the Guest Editor

Metal materials are indispensable in many areas of everyday life. Corrosion protection and an understanding of corrosion behavior are essential for their use in the long term.

The scope of this Special Issue will provide comprehensive insight into corrosion processes in different environments and under different conditions, and the anti-corrosion coatings of different origins including up-to-date trends and advanced strategies such as superhydrophobic treatments, smart materials, corrosion inhibitors, etc. The Special Issue is open to the publication of original articles that provide information on the electrochemical and corrosion properties of various metallic materials such as steel, magnesium and their alloys. Review papers are also welcome. Moreover, the Special Issue offers an opportunity to publish perspective articles that describe new directions for the topical areas of interest relating to the corrosion of metallic materials. They should present a novel assimilation of scientific information in current or emerging fields that indicate potential trends or innovative applications, without necessarily including data.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2024)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/201375

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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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