

Special Issue

Corrosion and Wear Resistant Alloy/Metal Coatings

Message from the Guest Editors

Fracture, corrosion, and wear are the most common failure modes of materials. The development of advanced surfaces and coatings can maintain structural material integrity and assets reliability under harsh environments. Therefore, research for new formulations and the experimental, theoretical, or modeling activities of coatings aimed at enhancing surface properties is an extremely hot topic, both at a scientific level and regarding industrial applications. We would like to invite you to submit your review articles, original papers, and communications to this Special Issue entitled "Corrosion and Wear Resistant Alloy/Metal Coatings".

This Special Issue will cover recent advances in coatings synthesis, properties, and applications. In particular, topics of interest include but are not limited to

- Surface technology for fabricating alloy/metal coatings.
- Research on corrosion behavior of corrosion-resistant and superhydrophobic.
- Research on wear mechanism of anti-friction, self-lubricating coatings.
- Research in the field of contact interaction calculations, taking into account the properties of boundary layers.
- Development of characterization methods.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)



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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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