

Special Issue

Corrosion Resistance, Mechanical Properties and Characterization of Metallic Materials and Coatings

Message from the Guest Editors

Corrosion resistance and mechanical properties has been the most concern for application and development of metallic material and coatings. The microstructure of metal is closely related to its performance, either for corrosion or mechanical performance. The investigation of the relationship between structure and properties has been and will be the most functional method, to uncover the mechanism for enhancing the performance of metal and offer the foundation for developing new-era materials. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: (1) Fundamentals and application of metallic materials, coatings and microstructure characterization; (2) Processes for coating deposition and modification, and the investigation of functional, protective and decorative coatings; (3) Characterization techniques for metallic materials and coatings; (4) Corrosion, wear, fatigue and fracture of metallic materials and coatings. We look forward to receiving your contributions.

Guest Editors

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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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