

# Special Issue

## Surface Treatment for Metals and Alloys

### Message from the Guest Editors

The purpose of surface treatments is to modify the appearance of a surface, its physical and/or chemical properties, in order to improve resistance to corrosion, wear and oxidation, as well as to promote solderability and electrical conductivity, to modify the optical properties, to provide a thermal barrier or radiation insulation effect or even to prepare the application of a coating. The topics of interest for this this Special Issue are :

- Wet deposition (Example: Deposits by immersion in molten metals: galvanizing, tinning, etc.);
- Dry deposition (Example: CVD, PVD, etc.);
- Conversion treatments (Example : Anodic oxidation of aluminum and titanium alloys.);
- Les traitements thermochimiques (Example: carbonitriding, nitriding,);
- Structural transformation treatments (Example: hardening treatments by quenching after surface heating, etc.).

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 January 2024)



## Coatings

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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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### Editors-in-Chief

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