

# Special Issue

## New Advances in Friction-Based Coatings, Modification and Welding Technology

### Message from the Guest Editors

The Special Issue is focused on the recent developments in friction-based coatings, modification and welding technology, including friction stir processing, surface coating, modification and repairing based on friction stir additive manufacturing, joining of dissimilar materials based on surface treatment, etc. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Functional surface engineering through friction stir processing or friction stir additive manufacturing;
- Coatings deposition by friction stir additive manufacturing;
- Surficial repairing and remanufacturing by friction stir additive manufacturing;
- Processes for friction deposition repairing and modification;
- Wear and corrosion in friction stir additive manufacturing.

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### Guest Editors

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### Deadline for manuscript submissions

30 October 2025



## 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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