

Special Issue

Surface Engineering and Tribology

Message from the Guest Editor

Coating and surface modification are in many cases the best ways to deal with the tribological damage of a part. By following a surface engineering approach, it is possible to obtain hard, wear- and corrosion-resistant coatings or surface layers and delegate the role of resisting tribological loads to the coatings and modified surfaces. In most cases, the selection of an appropriate surface treatment results in cost savings, as it allows the use of cheaper base materials. The aim of this Special Issue is to bring together the latest advances in surface engineering and tribology, covering the development of modification and coating technology; tribological, mechanical and corrosive characterization; and industrial applications. Original research and review articles are encouraged in this Special Issue. Potential topics include:

- Coatings;
- Surface modification;
- Surface engineering;
- Tribology;
- Friction;
- Wear;
- Corrosion;
- Contact mechanics.

Guest Editor

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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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