

Special Issue

Tribology and Mechanical Behavior of Engineered Surfaces

Message from the Guest Editor

This Special Issue aims to address aspects of tribology and mechanical properties of engineered surfaces. Its scope includes both experimental investigations and modelling of contact and failure mechanisms. We welcome research papers, case studies and topic reviews that improve our understanding of tribomechanical responses, the characterisation and performance of engineered surfaces, and the design and manufacture of surface engineered solutions for specific tribological industrial applications. Additional emphasis will be given to multifunctional, nanostructured and nanocomposite surface engineered solutions for challenging operating conditions. In particular, topics of interest include, but are not limited to:

- surface engineered devices for tribological applications;
- surface modification techniques and surface treatments;
- mechanical testing and friction and wear testing of surface engineered materials;
- characterisation of surface engineered devices;
- industrial applications of engineered surface devices; and
- modelling of surface engineered systems.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2020)



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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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