

Manufacturing and Surface Engineering III

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The desired properties of surface components include the improvement of different properties, such as aesthetic appearance, oxidation resistance, wear resistance, mechanical properties, electronic or electrical properties, thermal insulation, and corrosion resistance through barriers.

These properties can be enhanced using different methods, such as by adding a coating. Nevertheless, the bulk of the material or substrate cannot be considered independent of the surface treatment.

Potential topics for this Special Issue include, but are not limited to, the full range of surface engineering aspects, i.e., surface integrity, contact mechanics, friction and wear, coatings and surface treatments, multiscale tribology, computational methods, and optimization techniques applied in surface engineering.

Contributions to this Special Issue are welcomed on all subjects of manufacturing and surface engineering. We especially welcome are papers that raise new questions and new possibilities, or examine old problems from a new angle.



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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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