



## Enhanced Mechanical Properties of Metals by Surface Treatments

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### Message from the Guest Editors

Dear Colleagues,

Along with the swift development of high new science and technology, the necessary materials are also required to have excellent mechanical properties, wear resistance, high temperature features, or corrosion resistance, etc., particularly in the fields of aerospace, marine, and automobiles. These materials can suffer from serious wear, corrosion, or high-temperature oxidation on their surface, resulting in their initial failure and even to more serious losses. Therefore, surface characteristics of these materials should have a higher demand.

We would like to invite academics and researchers to contribute to this Special Issue, entitled “Enhanced Mechanical Properties by Surface Treatment”. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Materials: metal alloys, ceramic materials, polymer, composites;
- Performances: mechanical properties, wear resistance, corrosion resistance, high temperature oxidation, magnetic, biocompatibility;
- Preparation method: laser sintering, laser melting, PVD, CVD, PEO, etc.

We look forward to receiving your contributions.





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## 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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