



Laser Surface Modification of Metallic Materials

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Message from the Guest Editors

This Special Issue is mainly focused on research lines in the field of laser surface texturing on metallic materials. In this special edition, high interest is maintained on research articles dedicated to improving the performance of texturing processes and their use in specific applications. The improvement of surface conditions and the characterization procedures of the modified layer are very interesting aspects for publication in this issue.

Keywords:

- laser texturing
- surface modification
- wetting behavior
- surface finish
- surface characterization
- wear resistance treatment
- corrosion resistance surface treatment
- tribological applications.





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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.

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