

Heat Treatment and Surface Engineering of Tools and Dies

Guest Editors:

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submissions:**20 August 2024**

Message from the Guest Editors

Dear Colleagues,

We would like to invite you to submit to this Special Issue on “Heat Treatment and Surface Engineering of Tools and Dies”, and we also sincerely invite you to present your work on the 5th Int’l Conf. on Heat Treatment and Surface Engineering of Tools and Dies (for details, see <http://www.htse-td.com/>). Today, a new epoch is approaching in terms of industrial revolution via innovations and international cooperation. In machinery manufacture and other relevant industries, the quality of tools and dies is of extreme importance in determining the performance of products and can be improved sufficiently through heat treatment and surface engineering technologies. This Special Issue and the conference will bring together researchers of industrial and academic backgrounds to discuss the state-of-the-art developments in heat treatment and surface engineering of tools and dies. The technical areas of interest include but are not limited to:

- Intelligent manufacturing
- Physical metallurgy
- Heat treatment
- Thermochemical treatment
- Coating technology
- Deep cold treatment
- Modeling and software
- Gas for HTSE
- Advanced equipment

mdpi.com/si/138475

Special Issue

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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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