

# Special Issue

## Heat Treatment and Surface Engineering of Tools and Dies

### Message from the Guest Editors

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

---

### Guest Editors

Prof. Dr. Yanxiang Zhang

Dr. Ruiliang Liu

Prof. Dr. Mufu Yan

---

### Deadline for manuscript submissions

closed (31 May 2025)



## Coatings

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.4



[mdpi.com/si/138475](https://mdpi.com/si/138475)

*Coatings*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[coatings@mdpi.com](mailto:coatings@mdpi.com)

[mdpi.com/journal/  
coatings](https://mdpi.com/journal/coatings)





# Coatings

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.4



[mdpi.com/journal/  
coatings](https://mdpi.com/journal/coatings)



## 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.

---

### Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science & Engineering, Tsinghua University, Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam Mickiewicz University in Poznań, ul. Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

---

### Author Benefits

#### Open Access

— free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Surfaces, Coatings and Films)