



Advanced Surface Technology and Application

Guest Editors:

Dr. Kaiming Wang

Dr. Zhenlin Zhang

Dr. Dingding Xiang

Dr. Jiang Ju

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

Surface technology involves the fields of materials science, chemistry, physics, tribology, microelectronics, information science, nanotechnology, biomedicine and other disciplines, and is one of the important frontiers of modern high-tech fields and advanced manufacturing. Recently, the research into surface technology has achieved good results, and it is developing towards automation and intelligence. This topic aims to integrate and present the latest advances to inspire and inform relevant researchers in the field of surface technology, and to promote the application of surface technology.

The topics of interest for this Special Issue include:

- Novel surface material systems
- External field-assisted surface technology
- High-wear-resistant, high-corrosion-resistant, high-temperature-oxidation-resistant and self-lubricating coatings
- Repair and strengthening of machine parts
- Novel surface technology methods
- Simulation analysis of surface technology
- Monitoring and control of surface technology processes
- Surface functionalization
- Corrosion and protection of surface coatings
- Frictional wear and lubrication of the surface coatings





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

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.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Surfaces, Coatings and Films*)

Contact Us

Coatings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/coatings
coatings@mdpi.com
X@Coatings_MDPI