



Wear-Resistance and Corrosion-Resistance Coatings

Guest Editors:

Prof. Dr. Min Kang

Department of Mechanical Engineering, College of Engineer, Nanjing Agriculture University, Nanjing 210031, China

Prof. Dr. Xiuqing Fu

Department of Mechanical Engineering, College of Engineer, Nanjing Agriculture University, Nanjing 210031, China

Deadline for manuscript submissions:

20 October 2024

Message from the Guest Editors

Among the latest research achievements in multifunctional coatings is the study of wear resistance, and friction reduction coatings are one of the most valuable coatings research directions in the field of materials science and engineering. Current applications range from cutting tools, machining technology, automotive, and aerospace. In harsh environmental conditions, the theory, experiment, and application of wear and friction reduction are in great demand.

We would like to invite you to submit your new research results to this Special Issue entitled *Wear Resistance and Friction Coatings*. The properties of the surface are determined by the material used to prepare the coating and the method and technique used to treat it, so coating technology can be considered an advanced surface treatment. The topics of interest for this Special Issue are advanced surface treatment technologies and green coating materials. We hope that our research will evaluate not only the effects of surface coating technology on the physical and mechanical properties of coatings but also the effects of friction mechanisms and environmental friendliness.





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