



Friction and Corrosion Properties of Steels

Guest Editors:

Prof. Dr. Wenjian Wang

Tribology Research Institute,
State Key Laboratory of Traction
Power, Southwest Jiaotong
University, Chengdu, 610031,
China

Dr. Haohao Ding

Tribology Research Institute,
Southwest Jiaotong University,
Chengdu 610031, China

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

The study of the friction and corrosion properties of steels is always a central focus in the fields of tribology and corrosion science and engineering. Along with progress in experimental and simulation techniques in recent years, the essence of the friction and corrosion of steels can be better elucidated. Therefore, this Special Issue is aimed at offering a forum for research and review papers reporting significant progress in the friction and corrosion properties of steels.

The topics related to the Friction and Corrosion Properties of Steels include, but are not limited to:

- The friction and corrosion behaviors of steels;
- The corrosive wear mechanisms of steels;
- Factors affecting the corrosive wear of steels ;
- Techniques for improving the corrosive wear resistance of steels;
- Friction and corrosion experimental and analytical methods;
- Computer modeling and simulation to predict the friction and corrosion properties of steels.





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