



Coatings for Tribological Applications

Guest Editors:

Dr. Emmanuel P. Georgiou

Falex Tribology, 3110 Rotselaar,
Belgium

Dr. Dirk Drees

Falex Tribology, 3110 Rotselaar,
Belgium

Deadline for manuscript
submissions:

closed (1 December 2022)

Message from the Guest Editors

Dear Colleagues,

Nowadays, coatings are extensively applied to mitigate the adverse effects of friction and wear in machine components. Examples can be found in a variety of technological and industrial fields, such as biomedical, electrical, energy, transport, etc. Depending on the applications, quite diverse contact conditions (e.g., speeds, loads, motion, environment) can be met. Therefore, it is extremely important to treat every tribo-system in a unique way and try to evaluate its behaviour under relevant application conditions.

This Special Issue focuses on the use of coatings for tribological applications. The topics of interest for this Special Issue, in particular, include (but are not restricted to):

- The successful use of coatings in demanding tribological applications, particularly related to sustainability issues (energy production, electrical vehicles, waste reduction);
- The use of coatings to reduce wear and improve friction;
- New tribological methods to study industrial problems on the lab scale;
- Friction and wear mechanisms in coated systems;
- Other aspects of tribological coatings are also welcome.





an Open Access Journal by MDPI

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