

## New Advances in Antifouling and High-Temperature Resistant Coatings

Guest Editor:

**Dr. Dalong Li**

School of Marine Science and  
Technology, Harbin Institute of  
Technology at Weihai, Weihai  
264209, China

Deadline for manuscript  
submissions:

**closed (31 December 2023)**

### Message from the Guest Editor

Surface properties are a fundamental property of a solid surface and a current hot topic considering the key role they play in addressing the problems related to energy, environment, resources, and health. The research on surface and interface engineering has an important influence on promoting the development of new materials and the progress of human society. Accordingly, we are assembling this new Special Issue of *Coatings* to encourage scientists to showcase their original research articles, short communications, and review papers. This Special Issue will not only emphasize the design and synthesis of novel coating concepts but also their characterization, modeling, and applications.

Specific topics of interest include but are not limited to:

- Coatings for antifouling membrane
- Coatings for high temperature
- Surface and interface modification
- Adsorption, adhesion, functionalization
- Hydrophilicity/hydrophobicity surface
- Fundamental and functional properties of surface and interfaces

We look forward to receiving your contributions.





## 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