



## Environmentally-Friendly Coatings towards Biofouling Control and Microbiologically Influenced Corrosion (MIC) Inhibition

Guest Editors:

**Dr. Elisabete Ribeiro Silva**

1. BiolSI - Biosystems & Integrative Sciences Institute, Faculdade de Ciências, Universidade de Lisboa, Campo Grande, 1749-016 Lisboa, Portugal

2. Departamento de Química e Bioquímica, Faculdade de Ciências, Universidade de Lisboa, Campo Grande, 1749-016 Lisboa, Portugal

**Dr. Guangming Jiang**

School of Civil, Mining and Environmental Engineering, University of Wollongong, Wollongong, NSW 2522, Australia

Deadline for manuscript submissions:

**30 June 2024**

### Message from the Guest Editors

This Special Issue of *Coatings*, “Environmentally Friendly Marine Coatings for biofouling control and Microbiologically Influenced Corrosion Inhibition”, will cover the most recent and promising advances in research surrounding marine coatings for the control of biofouling and for inhibiting microbiologically influenced corrosion.

The main topics that this Special Issue of *Coatings* will cover include the following:

- Foul-releasing coatings;
- Antifouling self-healing coatings;
- Non-releasing biocidal coatings;
- Bio-passive-based polymeric coatings (zwitterionic, self-assembled monolayer approaches);
- Bioinspired coatings (incorporating natural and/or new synthesized biomimetic based agents, micro-topographically modified coatings);
- Hybrid and/or multifunctional coatings (amphiphilic/stimuli-responsive systems);
- Sewer concrete 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 called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest 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 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

## Contact Us

---

*Coatings*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

mdpi.com/journal/coatings  
coatings@mdpi.com  
@Coatings\_MDPI