



Coatings against Corrosion, Microbial Adhesion, and Biofouling

Guest Editor:

Dr. Judit Telegdi

1. Faculty of Light Industry and Environmental Engineering, Óbuda University, Doberdó u. 6, 1034 Budapest, Hungary
2. HUN-REN Research Centre for Natural Sciences, Magyar Tudosok Krt. 2., H-1117 Budapest, Hungary

Deadline for manuscript submissions:

closed (31 August 2022)

Message from the Guest Editor

Dear Colleagues,

This Special Issue is dedicated to the recent achievements and ongoing research done in the elaboration of new, multifunctional coatings effective in the inhibition of the deterioration of solid surfaces and of coatings, as well as in the development of new analytical methods applicable either in laboratory or industrial systems.

Not only original papers, but also reviews are welcome on the following topics:

New special multifunctional coatings:

- when the inhibitor or biocide is involved into the coating (continuous release);
- when the active materials are incorporated into containers (tubes, capsules, and core/shell structure); smart coatings with slow release mechanisms (microspheres with porous structure);
- recently developed core/shell capsules with new (one or more) active materials that can decrease the microbial adhesion and/or the life conditions for microbial activity.

Nowadays developed techniques to control the deterioration of coated solid surfaces (chemical/electrochemical/biochemical sensors).

Modern approaches to environmentally effective anticorrosion and antifouling systems.





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