



Advanced Anticorrosion Coatings and Coating Testing

Guest Editors:

Dr. Nevena Marinova

Department of Corrosion
Engineering, TECNALIA, Basque
Research and Technology
Alliance (BRTA), 20009 San
Sebastian, Spain

Dr. Chuanbo Hu

School of Environmental and
Chemical Engineering,
Chongqing Three Gorges
University, Chongqing 404100,
China

Deadline for manuscript
submissions:

20 October 2024

Message from the Guest Editors

Dear Colleagues,

The corrosion of metals is a huge economic issue and seriously compromises safety in the industry, civil infrastructure, transport vehicles, etc. Coatings have proven to be one of the most efficient and reliable solutions for corrosion protection.

The suggested scope of this Special Issue includes (but is not limited to) the following concepts:

- Advanced organic, inorganic, polymeric and composite coatings for the corrosion protection of metals.
- Novel smart and multifunctional coatings, including self-healing coatings, self-cleaning coatings, high-performance inhibiting coatings, nanocomposite coatings, etc.
- Coatings for demanding applications under extreme conditions.
- Anticorrosion coatings with improved mechanical resistance and tribological properties.
- Advances in coating testing and validation of innovative testing methodologies which are more representative to service conditions than current procedures. Correlation between accelerated test result data from field exposure.
- Improved knowledge on protection mechanism, advances in theoretical research and simulation to reliably predict coating performance and failure mechanisms.





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