

Special Issue

Corrosion Characterization and Surface Analysis of Metallic Materials

Message from the Guest Editor

Various kind of coatings are used to mitigate corrosion. A deep understanding of the surface chemistry of such structures is of paramount importance. This Special Issue invites authors to prepare manuscripts regarding the effectiveness of coating corrosion prevention performance and its surface characterization. In particular, the topics of interest include, but are not limited to:

- Surface analysis of coatings
- XPS, SIMS, and AES techniques for coating characterization
- IR and Raman spectroscopy on the metallic surfaces
- AFM and 3D-profilometry for topography studies
- Electrochemistry of the coated metallic materials

Guest Editor

Prof. Dr. Matjaž Finšgar

Faculty of Chemistry and Chemical Engineering, University of Maribor, Smetanova ulica 17, 2000 Maribor, Slovenia

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Coatings
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
coatings@mdpi.com

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About the Journal

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.

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

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