

Special Issue

Surface Modification and Surface Flashover Performance Enhancement

Message from the Guest Editors

We would like to invite you to submit your work to a Special Issue on “Surface Modification and Surface Flashover Performance Enhancement-Measurement, Simulation and Mechanism”. With this Special Issue we would like to offer a better understanding and showcase the best work of surface flashover performance of insulating materials. In this Special Issue, we invite researchers to present original research papers, review articles or short communications on the latest developments in the field of surface charge measurement and surface flashover mechanism that will foster the continuous development of insulating material application for the benefit, in the short and medium term, of the scientific community and also of the industrial sectors. In particular, the topics of interest for this Special Issue include but are not limited to:

- Surface flashover phenomena and related mechanisms involved with interface surface charges;
- Measurement technologies and simulations methods of interface surface charges;
- Correlation between the surface modification and the surface flashover performance;
- Simulation on the surface modification for surface flashover enhancement.

Guest Editors

Prof. Dr. Cheng Zhang

Prof. Dr. Zhi Fang

Prof. Dr. Junbo Deng

Dr. Jin Li

Dr. Jian Wang

Dr. Fei Kong

et al.

Deadline for manuscript submissions

closed (31 December 2022)



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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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