

Special Issue

Quality Tools in the Design of Coatings

Message from the Guest Editors

The design of coatings for special purposes in laboratory conditions, from the point of view of cognition and the development of coatings engineering, is very important. Surface morphology and surface properties are significant factors that should be considered when a desired surface finish is needed for different applications. Unfortunately, laboratory tests are very selective and often do not reflect the actual performance parameters, and they often do not provide sufficient evidence for the repeatability of results in industrial conditions. All coatings for special purposes and their improvement should be planned and confirmed with the use of quality management tools. The scope of this Special Issue will serve as a forum for papers in the following areas:

- Evaluation and optimization of coatings' protective properties;
- Design of Experiment in coatings;
- Quality, durability and effectiveness of coatings;
- Coating quality assessment;
- Model of quality management of coatings;
- Quality tools in coatings industry and/or Quality tools in the production of protective coatings;
- Improvement of surface quality.

Guest Editors

Prof. Dr. Robert Ulewicz

Department of Production Engineering and Safety, Czestochowa University of Technology, Ul. J.H. Dabrowskiego 69, 42-201 Czestochowa, Poland

Prof. Dr. Ružica R. Nikolić

Reserach Center, University of Žilina, Univerzinta 8215/1, 010 26 Žilina, Slovakia

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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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