



Recent Developments on Functional Coatings for Industrial Applications

Guest Editors:

Dr. Luigi Calabrese

Department of Engineering,
University of Messina, Contrada
Di Dio (Sant'Agata), 98166
Messina, Italy

Prof. Dr. Edoardo Proverbio

Department of Engineering,
University of Messina, Contrada
di Dio, 98166 Messina, Italy

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Message from the Guest Editors

The Special Issue of the *Coatings* journal is aimed to assess the recent research progress on functional coatings for industrial applications, by worldwide researchers and specialists. The purpose is to address the recent development on functional coatings design, synthesis, and characterization, highlighting its emerging industrial applications in many industrial fields, such as medical, smart textile design, renewable energy, oil and gas, electronic, automotive industries, etc. In such a context, particular emphasis will be given to research developments in order to improve applications and the market extension of functional coatings and films.

This Special Issue will consist of original research and review articles. It will offer the readers the newest R&D work on industrially relevant functional coatings.

In particular, the topics of interest include, but are not limited to:

- Superhydrophobic surfaces and films;
- Self-healing coatings for corrosion protection;
- Biomedical and biocompatible coatings;
- Conductive polymer films;
- Functional coatings for renewable energy applications;
- Nanostructured and topographic functional coatings.





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.

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Coatings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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