

## Special Issue

# Advances in Multifunctional Polymer Coatings and Films: Exploring Innovations across Industries

### Message from the Guest Editors

We are pleased to invite you to participate in our Special Issue. We are interested in presenting the latest achievements and advancements in the field of polymer coating technologies, which possess various functions and properties. We would like to focus on innovative approaches to the design, synthesis, and application of multifunctional polymer coatings and films. The aim is to showcase the latest trends in the field, including advancements in antibacterial, conductivity, corrosion resistance, self-healing, hydrophobicity, and many other properties. Topics may include, but are not limited to, the following:

- New methods of synthesis and the characterization of multifunctional polymer coatings;
- The application of modern nanotechnological techniques in the production of polymer coatings and films;
- The impact of additives on the properties of polymer coatings and films;
- The application of smart materials in the production of polymer coatings;
- Examples of innovative applications of polymer coatings in various fields, such as medicine, industry, or environmental protection.

### Guest Editors

Dr. Katarzyna Buczkowska

Dr. Krzysztof J. Kubiak

Prof. Dr. Cezary Rapiejko

Dr. Krzysztof Jastrzębski

Dr. Łukasz Wojciechowski

### Deadline for manuscript submissions

closed (31 March 2025)



## Coatings

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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.

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### Editors-in-Chief

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