

## Special Issue

# Advanced Materials for Electro catalysis and Energy Storage

### Message from the Guest Editors

Electrocatalysis and energy storage are currently hot research topics, which can provide effective solutions to the energy crisis and sustainable development.

Electrocatalysis technology can be used in many ways, such as for hydrogen production. Energy storage devices such as rechargeable batteries and electrochemical capacitors deeply influence the development of electronic products and electric vehicles. Accordingly, we are launching this new Special Issue of *Coatings* titled “Advanced Materials for Electro catalysis and Energy Storage”, which will focus on the fundamental and application areas of advanced materials for electrocatalysis and energy storage. In this Special Issue, research areas may include (but are not limited to) the following:

- Batteries;
- Electrochemical capacitors;
- Electro catalysis materials and applications;
- Synthesis, analysis, or mechanism research of advanced materials;
- Theoretical calculation of advanced materials for electrocatalysis and energy storage;

We look forward to receiving your contributions.

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### Guest Editors

Dr. Qinglin Deng  
Dr. Zhonghui Sun  
Prof. Dr. Xiaoning Tian

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### Deadline for manuscript submissions

closed (30 September 2024)



## 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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