

Special Issue

Advances in Electrochemical Sensors and Biosensors

Message from the Guest Editor

In recent decades, much attention has been paid to the development of electrochemical sensors and biosensors, providing remarkable features such as fast response, handling ease, robust, cost-effectivity sensitivity, portability, simplicity of design, ease of miniaturizing, and low sample volume. The versatility of these tools ensures a broad spectrum in the sensing of biological and chemical analytes in respect of electrochemical change of electrode/electrolyte interfacial characteristics. The advantage of biosensors over traditional analytical methods will certainly lead to their even greater use in environmental monitoring food safety, medicine. We are pleased to invite you to broaden the field of electrochemical sensors and biosensors. In this Special Issue, research areas may include (but not be limited to) the following:

- Development of novel sensing layers,
- Nanomaterials in sensors technology,
- Novel sensors technology including miniaturization
- Electrochemical sensors and biosensors for medical application, environmental monitoring, or the food industry.

We look forward to receiving your contributions.

Guest Editor

Dr. Kamila Malecka-Baturo

Institute of Animal Reproduction and Food Research of Polish Academy of Sciences, Biosensors Department, Tuwima Str. 10, 10-748 Olsztyn, Poland

Deadline for manuscript submissions

closed (31 August 2024)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.0



mdpi.com/si/111364

Coatings

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
coatings@mdpi.com

[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)





Coatings

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.0



[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)



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

Author Benefits

Open Access

– free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Surfaces, Coatings and Films)