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Advances in Electrochemical Sensors and Biosensors

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Kamila Malecka-Baturo

Guest Editor

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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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