

## Special Issue

# Biosensors for Environmental Monitoring and Food Safety

### Message from the Guest Editors

In recent years, the need for accurate, real-time monitoring of environmental and food safety has become increasingly critical. The rise in global population, industrialization, and agricultural activities has led to heightened concerns about pollution, foodborne illnesses, and the integrity of our food supply chains. Traditional analytical methods, while effective, often fall short in providing the rapid and on-site analysis required to address these challenges promptly. Biosensors, which integrate biological recognition elements with physicochemical transducers, have emerged as powerful tools to meet these demands. Their unique ability to offer high sensitivity, specificity, and rapid response times makes them indispensable in detecting contaminants, pathogens, and other harmful agents in both environmental and food matrices. The aim of this Special Issue is to report on the developments and advances in biosensors to meet the needs of environmental and food analysis.

### Guest Editors

Prof. Dr. Jing Wei

The Key Laboratory of Biomedical Information Engineering of Ministry of Education, Institute of Analytical Chemistry and Instrument for Life Science, School of Life Science and Technology, Xi'an Jiaotong University, Xi'an 710049, China

Dr. Bingxi Feng

The Key Laboratory of Biomedical Information Engineering of Ministry of Education, Institute of Analytical Chemistry and Instrument for Life Science, School of Life Science and Technology, Xi'an Jiaotong University, Xi'an 710049, China

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*Biosensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biosensors@mdpi.com](mailto:biosensors@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Biosensors* is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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### Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry "Ugo Schiff", University of Florence, Via della  
Laustruccia 3, 50019 Sesto Fiorentino, Italy

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