

Special Issue

Electronic, Mass-Sensitive and Thermal Transducers for Bio- and Chemosensing

Message from the Guest Editors

In 2022, we successfully launched the Special Issue “Field-Effect Sensors: From pH Sensing to Biosensing”, compiling 12 articles that showcased a broad spectrum of different types of field-effect devices for chemical sensing and biosensing. To expand this highly interesting topic towards other “electronic-based” detection methods, the new Special Issue is devoted to “Electronic, Mass-Sensitive, and Thermal Transducers for Bio- and Chemosensing”. As well as the fundamental aspects of sensing methods and principles, the Special Issue seeks to also address the broad range of sensor applications, providing an overview state-of-the-art technologies. The topics may include, but are not exclusively related to, the following:

- Device concepts for electronic, mass-sensitive, and thermal transducers;
- Single sensors, multiparametric sensors, and sensor arrays;
- Modelling and theory of electronic, mass-sensitive, and thermal transducers;
- Applications for biosensors in biomedical analysis, food control, environmental monitoring, and the characterization of biomaterials and biomolecular interactions.

Guest Editors

Prof. Dr. Michael J. Schöning

Prof. Dr. Sven Ingebrandt

Prof. Dr. Patrick Wagner

Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

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