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## Advances in Micro- and Nano- Sensors/Devices for Environmental and Biomedical Applications

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Deadline for manuscript  
submissions:

**closed (30 September 2023)**

### Message from the Guest Editors

Dear Colleagues,

With the rapid advances in Internet of Things (IoT) technologies, the development of miniaturized, portable and flexible micro- and nanosensors/devices is of great interest to both industries and academia. These compact sensors/devices have considerable potential in environmental applications, such as in water quality monitoring, indoor/outdoor gas sensing, soil analysis, and organic/inorganic waste detection. In addition, the use of micro- and nanosensors/devices to detect biomolecules (including proteins, nucleic acids, antibodies, amino acids, enzymes, etc.) and pathogens (such as viruses and bacteria) has become one of the most promising approaches for early diagnosis and treatment in biomedical research.

This Special Issue aims to compile original research and review articles detailing recent advances in miniaturized micro- and nanosensors/devices for both environmental and biomedical applications. Potential topics include, but are not limited to:

- Micro-/nano chemical sensors;
- Micro-/nano electrochemical sensors;
- Micro-/nano biosensors;
- Micro-/nano gas sensors;
- Microfluidic devices;
- BioMEMS devices;
- Wearable and reliable sensors/devices.



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**Special Issue**



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## 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.

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