

# Special Issue

## Innovative MEMS-Based Sensors for Smart Systems and IoT Applications

### Message from the Guest Editors

The advancement in materials science and micro/nanofabrication techniques, as well as the better understanding of physical phenomena at a small scale, has led to the development of MEMS-integrated sensing systems, which are used in a wide range of areas such as consumer electronics, transportation, and medicine. With significant developments in computation power and data analysis, the expansion of wireless communication and the progress of the IoT and miniaturized integrated sensing systems have opened new applications and markets for MEMS.

The *Sensors* journal has launched the Special Issue “Innovative MEMS-Based Sensors for Smart Systems and IoT Applications” to provide a platform for researchers to present their recent findings in the area of MEMS’ physical, chemical, and biological sensors; smart systems; data analysis; and their application in relation to the IoT. The topics covered by this Special Issue include, but are not limited to, design and simulation; material characterization; fabrication processes; and a proof of concept of MEMS sensing systems, smart nodes, and IoT networks.

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### Guest Editors

#### Dr. Mohammad K. Shavezipur

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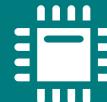
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### Deadline for manuscript submissions

closed (31 December 2025)



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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.

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### Editor-in-Chief

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