Special Issue

New Technologies for Sensors

Message from the Guest Editors

Advancements in sensor technologies are revolutionizing the way we monitor, detect, and analyze various physical, chemical, and biological phenomena. This Special Issue explores cutting-edge developments in areas such as surface acoustic wave sensors, localized surface plasmon resonance, spectroscopy impedance, split-ring resonators, magnetoresistive sensors, piezoelectric sensors, and transistor-based sensors. These innovations are driving progress in applications ranging from biomedical diagnostics to environmental monitoring and material characterization.

Particular emphasis is given to integrating these advanced sensors into innovative platforms, such as lab-on-a-chip systems, which enable compact and multifunctional solutions. Their deployment in the Internet of Things (IoT) ecosystem is also explored, showcasing their potential to create interconnected, data-driven environments. Contributions addressing novel designs, materials, and emerging applications are invited, with the aim of inspiring research that defines the future of sensor technology.

Guest Editors

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Technologies, provides a single focus for reporting on developments of all technologies, regardless of their application. It is our intention that *Technologies* becomes the journal of choice for both researchers wanting to publish their work and technologists wishing to exploit the high quality research across a wide range of potential applications. Through its open access policy, its quick publication cycle, *Technologies* will facilitate the rapid uptake and development of the research presented, ultimately providing benefit to the wider society.

Editor-in-Chief

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