

## Special Issue

# Recent Advances in Photoelectrochemical Sensors

### Message from the Guest Editors

Photoelectrochemical (PEC) sensing is an analytical technique that combines the principles of photoelectrochemistry and traditional sensing methods to detect and quantify bio(chemical) substances. The method offers high sensitivity due to the unique setup consisting of two separate energy forms, that is, using light as the excitation source and electricity as the detection signal. Applications of PEC sensing are diverse, ranging from environmental monitoring and food safety to clinical diagnostics and biochemical analysis. This Special Issue will cover the system, instruments, methods, and photoactive and bio-sensitive materials used to construct PEC sensors with various bio(chemical) sensing applications, such as investigations of living cells, organoids, or tissues, as well as detections of ions, bio(chemical) molecules, or metabolites.

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### Guest Editors

Dr. Jian Wang

Dr. Liping Du

Dr. Wei Chen

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### Deadline for manuscript submissions

closed (30 June 2025)



## Sensors

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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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### Editor-in-Chief

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