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Photoelectrochemical (Bio)sensors for Biological, Food, and Environmental Analysis

Guest Editors:

Prof. Dr. Li Niu
1. School of Chemistry and Chemical Engineering, Guangzhou University, Guangzhou 510006, China
2. School of Chemical Engineering and Technology, Sun Yat-sen University, Guangzhou 510276, China

Dr. Qiong Hu
Centre of Advanced Analytical Science, Guangzhou University, Guangzhou 510006, China

Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editors

Photoelectrochemical (PEC) (bio)sensors are a new class of analytical devices operating on the basis of the PEC properties of materials and can be applied to the (bio)sensing of various biological targets, metabolites, food/beverage/cosmetic ingredients, environmental pollutants. In recent years, to overcome the possible defects of a single material, versatile composites have been constructed to heterojunctions for improving PEC response sensitivity and selectivity to a specific analyte of interest.

This Special Issue of Chemosensors focusses on the design and development of PEC (bio)sensors, especially their applications in biological, food, and environmental analysis. We look forward to receiving papers on the relevant topics.

- Photoelectrochemical(bio)sensors
- Novel materials for PEC (bio)sensing
- Novel PEC (bio)sensing principles
- Immunosensors
- Imprinted polymers
- Functional nanomaterials
- Semiconductor nanomaterials
- Heterojunctions
- Aptasensors
- Disease diagnostics
- Environmental analysis
- Food analysis
- Air pollutants

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Editor-in-Chief

Prof. Dr. Nicole Jaffrezic-Renault

Institute of Analytical Sciences, UMR CNRS 5280, Department LSA, 5 Rue de La Doua, 69100 Villeurbanne, France

Message from the Editor-in-Chief

Chemosensors is an international, scientific, open access journal on the science and technology of chemical sensors published by MDPI. All articles are released on the internet immediately following acceptance. The journal publishes reviews, regular research papers, and communications. The scope of Chemosensors includes:

New chemical sensors design

Electrochemical devices, potentiometric sensor, redox electrode

Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

electronic nose, etc.

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Chemosensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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