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Electrochemical Sensors and Biosensors for Rapid Trace Analysis of Pollutants and Contaminants

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Deadline for manuscript
submissions:

closed (20 December 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on trace analysis of pollutants and contaminants such as heavy metals, pesticides, and pharmaceuticals by using novel mercury-free electrode materials. Characterization of mercury-free electrode materials by using ASV techniques in combination with square-wave (SW) and differential pulse (DP) excitation stripping signals will be of high interest although other electrochemical techniques not involving a preconcentration step are equally welcome. Articles presenting working electrode characterization by electrochemical impedance spectroscopy (EIS) and surface analytical techniques (e.g. AFM, XPS, and ToF-SIMS) will also be considered for publication. The combination of electrochemical analysis with real sample preparation methodology is highly encouraged, nevertheless, review articles providing information on state of the art developments of the proposed scientific fields will likewise be accepted.

For more information, please click: mdpi.com/si/52146.

Prof. Dr. Matjaž Finšgar
Dr. Tinkara Mastnak
Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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