



Recent Advances in Electrode Materials for Electrochemical Sensing

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Message from the Guest Editors

Dear Colleagues,

Recent years have witnessed the accelerated development of electrode materials with high levels of analytical performance, which extends their application in environmental, healthcare and food monitoring. Modified green and novel electrode materials, as well as platform design, have thus become a key area of focus regarding the enhancement and generation of low-cost, automated, and portable electrochemical sensing devices with high sensitivity and selectivity for real-time monitoring.

Topics may include, but are not limited to, the following:

- Novel strategies for the production and application of nanosized materials in chemical sensors and biosensors;
- Development and exploitation of 2D and 3D materials for electrochemosensors;
- Chemical sensing and biosensing platforms in various applications, including healthcare, environmental monitoring and food quality control;
- Innovative and sustainable functional materials for the development of electroanalytical sensing platforms;
- Chemical sensing and biosensing with molecularly imprinted polymers, nanozymes and aptamers.





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Message from the Editor-in-Chief

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