



Modern Directions in Ion Electroanalysis for Real World Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Ion sensing with electrochemical techniques is undoubtedly among the pillars of the digitalization era. From wearable sensors to submersible probes, ion electroanalysis has demonstrated tremendous potential in miniaturized gadgets able to monitor the fluctuation of ion concentrations. Furthermore, the appropriate interpretation of these outcomes in certain time, space, or inter-subject domains provides unprecedented information related to important socioeconomical aspects, such as clinical diagnosis, disease monitoring, water quality control, and cell-scale processes. Any real world application is attainable owing to a deep understanding of the fundamentals embracing the sensing core of the ion detection principle. Thus, the integration of basis science and analytical applications has advanced towards a true decentralization process of accurate ion measurement. The aim of this Special Issue is to collect current fundamental directions in ion electroanalysis in view of further analytical applications, but also demonstrations at the lab scale and through the on site assessment of real world uses.

Dr. Maria Cuartero

Guest Editor





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Message from the Editor-in-Chief

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