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Advances in Screen-Printed Electrode & Electrochemical Sensor Applications

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Message from the Guest Editors

In the last decade a vast investment and research in sensing technology has been made. Due to their excellent sensitivity, rapid response, simplicity, low cost and portability, electrochemical sensors are involved in a wide variety applications in analytical chemistry. They are easy to miniaturize and to integrate into automatic systems. The screen-printing technology presents several advantages for the fabrication of electrochemical sensors. It allows the fabrication of a wide range of geometries, mass production at low cost, disposability, and portability. The combination of screen-printing technology with electrochemical sensors is promising for commercial purposes. The topics covered in this Special Issue represent recent innovations in the construction of electrochemical sensors on screen printed electrodes and application to different fields. Different recognition elements can be used: biological and chemical. Both review and original research articles are welcomed, highlighting the latest developments and future challenges in this exciting field.

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