



Molecular Imprinting Technology in Electrochemical Biosensors

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Message from the Guest Editor

The history of molecular imprinting technology, pioneered by G. Wulff and K. Mosbach, began more than half a century ago. Nowadays, molecularly imprinted polymers (MIPs) have been considered as attractive, simple, and seemingly general materials for selectively binding numerous analytes ranging from inorganic ions, organic pollutants, nucleic acids, proteins, cells and even tissue, with similar affinities and selectivities to those of antibodies, enzyme, aptamer, or hormone receptors. Inspired by these great successes, in recent years, such a technique has attracted considerable attention from scientists engaged in sensor development. Various chemical sensors have been successfully prepared using MIPs as receptors, followed by appropriate signal transductions including capacitance, conductometry, amperometry, voltammetry, potentiometry, quartz microbalance, and spectroscopy.

In this Special Issue, we would like to focus on MIPs for electrochemical biosensing applications. We welcome the submission of original research or review articles on electrochemical biosensing applications based on MIPs.





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Message from the Editor-in-Chief

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