

Tentative Outline

Special Issue for "Current Analytical Chemistry"

(Electrochemical modified based sensors; A new approach for analytical chemistry)

Guest Editor: Dr. Hassan Karimi-Maleh

Aims & Scope:

The analytical determination of biological, pharmaceutical, environmental and food samples are a necessary strategy for investigation of quality of them. Many analytical strategies such as HPLC, GC, spectroscopy and electro-chemical methods were suggestion for this goal. In between, electrochemical sensors showed more attention due to fast response, easy operation and low cost. Nevertheless, low oxidation/reduction signal with high over-potential are main problems for determination of electro-active compounds using electrochemical sensors. For overcoming to these problems, the modified sensors with highly conductive mediators such as nanomaterials, ionic liquids, conductive polymers were suggested.

This special issue focused for introduction new electrochemical modified sensors as analytical approach in determination of biological, pharmaceutical, environmental and food samples. The investigation new modified electrochemical sensors with good ability and high sensitivity for determination of biological, pharmaceutical, environmental and food samples are main goal of this special issue.

Keywords: Modified electrodes, Electrochemical sensors, biological, pharmaceutical, environmental and food samples analysis

Subtopics:

The subtopics to be covered within this issue are listed below:

- * The new modified electrochemical sensors
- * The modified sensors in analytical chemistry
- * Theoretical investigation of in electrochemical sensors

Schedule:

- ✧ Manuscript submission deadline: 1 July 2019
- ✧ Peer Review Due: 1 November 2019
- ✧ Revision Due: 25 September 2019
- ✧ Announcement of acceptance by the Guest Editors: 20 December 2019
- ✧ Final manuscripts due: 1 February 2020

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