Special Issue

Recent Advances of Bioanalytical Electrochemistry of Molecules

Message from the Guest Editor

The miniaturisation accompanying the revolution of all aspects of information technologies including worldwide digitalization have been influencing analytical chemistry. The time when mobile-phone producers will incorporate sensing and biosensing devices at great scale is coming, and would enable the analysis of numerous phenomena including vital signs, stress factors and even polluted environments.

Nowadays, electrochemical sensors and/or biosensors are able to detect nucleic acids, amino acids, proteins, carbohydrates, lipids, and various metabolites or food/environmental threats such as organic pollutants, metals and/or bio-pollutants, and the attractiveness of these methods and devices lies in their low cost, ease of use and in situ measurements. These devices also enable us to avoid laborious and time consuming sample preparation and provide an opportunity to perform real-time measurements.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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