

Special Issue

Advances in Chemical (Bio)Sensors for the Analysis of Complex Drugs and Hormones

Message from the Guest Editors

Biologically active compounds, both inorganic and organic, can exert beneficial or toxic effects, often in a concentration-dependent manner. Therefore, their reliable determination in various matrices (pharmaceuticals, food, and biological and environmental samples) is essential. In this respect, chemical and biochemical sensors are important tools enabling the sensitive and selective analysis of a broad spectrum of chemical species. Beyond straightforward quantification, biosensors also provide valuable insights into the interaction mechanisms among biologically active compounds. The dual effect of drugs and hormones, that might equally play as active compounds effective in various chronic and acute pathologies or as endocrine disrupting compounds, creates an increased demand for rapid, fast, and reliable tools for their accurate detection. Consequently, the Special Issue “Advances in Chemical (Bio)Sensors for the Analysis of Complex Drugs and Hormones” aims to bring forward novel research papers and comprehensive reviews highlighting the important recent developments and significant progress in this rapidly evolving field.

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Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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