Analysis of Drugs in Complicated Matrices: Latest Advances and Prospects

Guest Editors:

Prof. Dr. Su Zeng
College of Pharmaceutical Sciences, Zhejiang University, Hangzhou 310058, China

Prof. Dr. Lushan Yu
College of Pharmaceutical Sciences, Zhejiang University, Hangzhou 310058, China

Deadline for manuscript submissions:
closed (30 April 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on recent research and developments in multidisciplinary methods of pharmaceutical analysis used to investigate pharmacodynamics, drug quality control, drug toxicity, drug metabolism, and pharmacokinetics (DM/PK).

For many analysts, the analysis of stereoisomers, elements, microorganisms, genotoxic impurities, etc. in chemical drugs, biologic drugs, and herbal medicine (HM), and the analysis of drug metabolites and biomarkers in various species, including animals and plants, represent significant challenges because the sample matrices are extremely complicated. Hence, there is a technical barrier regarding isolation and extraction of the compounds or multiple-components, identification and elucidation of structures, and reliable quantitative contents analysis for those compounds of interest at trace levels. Analytical techniques are being developed with increasing selectivity and sensitivity, visualization, high throughput, real-time and online measurement, etc. to promote drug R&D and quality control.

Special Issue

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us