

Special Issue

Applications of HPLC for Analytical Chemistry

Message from the Guest Editors

Analytical chemistry finds application in a large number of laboratories and is an indispensable part of research in universities, institutes, and industries. With the growing number of studies in a variety of fields (chemistry, medicine, biochemistry, agriculture, etc.), the need for new analytical methods is increasing almost every day. New methods should be simple, fast, accurate, cheap, and use small sample volumes and green solvents whenever is possible. While these criteria present a great challenge, they also represent an opportunity to improve existing analytical methods. High-performance liquid chromatography is a widely used technique in analytical chemistry. This Special Issue aims to provide an overview of significant research in analytical chemistry using HPLC and UPLC chromatography for both detection/quantification and separation of different analytes. Particularly challenging are analytes found in complex matrices, which require a complex separation process and optimization of existing HPLC / UPLC methods or new ones. Existing and new HPLC/UPLC methods will also be compared in order to highlight the exciting possibilities in this field.

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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.

Editor-in-Chief

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