

Special Issue

Application of Spectroscopic Techniques to Metabolomic Research

Message from the Guest Editors

Metabolomics is no longer an emerging technology; it is an established powerful approach that can be extended to a wide range of biological investigations. Even if the study of small molecules is more ancient than that of large bio-molecules, its application in terms of whole metabolome is quite recent. It is, in fact, the youngest amongst the “omics” tools.

NMR- and MS-based metabolomics strategies allow for the contemporary analysis (both qualitative and quantitative) of the ‘metabolic profile’, including many metabolites (hundreds to thousands) within (at least in principle) any kind of biological specimens (bacteria, eukaryotic cells, tissues, biological fluids, culture medium, food, etc).

We would like to contribute this Special Issue to spread recent advances in the field. We encourage you to submit either papers concerning the novel application of the already assessed protocols (for the study of new biological systems, cellular models, etc.) or papers regarding the improvement of the protocols and/or the methodologies.

Guest Editors

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Deadline for manuscript submissions

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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.

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