



Metabolomic Analysis in Human Diseases: Latest Advances and Prospects

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Message from the Guest Editor

Dear Colleagues,

This Special Issue “Metabolomic Analysis in Human Diseases” aims to cover all the latest outstanding developments of metabolomic approaches to study human disorders. The main aim of a metabolomics study is the comprehensive report of metabolites, specifically to determine the concentration changes that suffer a list of metabolites and their interactions across the “metabolic network” under a specific condition.

The objective of this Special Issue is to present some research underlying new technical approaches to monitor human metabolism such as hyperpolarization, MS metabolic imaging, benchtop devices, but also new software approaches. This issue will also cover metabolomic studies in clinical samples and basic studies with cells and animal models for the characterization of metabolic reprogramming induced by the human diseases. The knowledge that has arisen from studies in metabolomics may translate into new treatment targets and a better diagnostic and prognostic tools in daily clinics.

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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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