

## High-Throughput Metabolomics

Guest Editor:

### Prof. Dr. Seongho Kim

Karmanos Cancer Institute,  
School of Medicine, Wayne State  
University, Detroit, MI, USA

Deadline for manuscript  
submissions:

**closed (31 January 2020)**

### Message from the Guest Editor

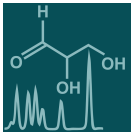
Dear Colleagues,

High-throughput metabolomics is widely employed for the identification and quantification of biochemical metabolites. Multiple high-throughput analytical platforms—including liquid chromatography–mass spectrometry (LC-MS), gas chromatography–mass spectrometry (GC-MS), nuclear magnetic resonance spectroscopy (NMR), and two-dimensional MS (2D-MS)—have been used for the comprehensive characterization of metabolites in biological systems, including discovery applications, single cell methods, and imaging MS. This Special Issue is focused on the current use of high-throughput metabolomics in biological and clinical research. Specific areas include, but are not limited to, the identification of metabolomics markers, the application of MS imaging, single cell metabolomics, 2D-MS based metabolomics, data integration, and computational and statistical methods of high-throughput metabolomics.

Dr. Seongho Kim

*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Amedeo Lonardo

1. Formerly Director of the Simple Operating Unit "Metabolic Syndrome", Azienda Ospedaliero-Universitaria, 41126 Modena, Italy  
2. Formerly Professor of Internal Medicine, School of Specialization of Allergology and Clinical Immunology, University of Modena and Reggio Emilia, 41121 Modena, Italy

## Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

## 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), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Biochemistry and Molecular Biology*) / CiteScore - Q2 (*Endocrinology, Diabetes and Metabolism*)

## Contact Us

*Metabolites* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/metabolites](http://mdpi.com/journal/metabolites)  
[metabolites@mdpi.com](mailto:metabolites@mdpi.com)  
[X@MetabolitesMDPI](https://twitter.com/MetabolitesMDPI)