Special Issue

Metabolomic Applications in Animal Science

Message from the Guest Editor

Metabolomics has been a useful method for various study fields. However, its application in animal science seems not enough. Metabolomics will be useful for various studies in animal science: Animal genetics and breeding, animal physiology, animal nutrition, animal products (milk, meat, eggs, and their by-products) and their processing, livestock environment, animal biotechnology, animal behavior, and animal welfare. More application examples and protocols for animal science will promote more motivation to use metabolomics effectively in the study field. Therefore, in this Special Issue, I invite research and review articles for “Metabolomic Applications in Animal Science”. The contribution to animal science should be clearly stated in the manuscript. The main methods used should be mass spectrometry, nuclear magnetic resonance spectroscopy, or other suitable techniques. Not only nontargeted but also targeted analysis of metabolites are welcome. The topics include dietary and pharmacological interventions, metabolic flux analysis, genetic manipulations, in vitro/in vivo imaging, and protocols for metabolomic experiments.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2020)

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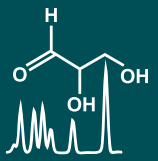

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About the Journal

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.

Editor-in-Chief

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