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Metabolomics in Yeast and Fermentation

Guest Editor:

Dr. Luca Roscini
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Deadline for manuscript submissions:
closed (20 December 2019)

Message from the Guest Editor

Dear Colleagues,

Yeasts has proven to be good metabolomics biosensors in a large number of studies, concerning almost all the different aspects and properties of their life cycle. One of them is, of course, fermentation. This process can be driven by microorganisms that naturally colonize raw materials and has been proposed for a long time as a good method to produce and extend the shelf life of several types of foodstuffs. In the last years it has returned to the spotlight due to its application in the reuse of agricultural and food wastes and for biofuel production. The topics that will be covered by this Special Issue include, but are not limited to: identification and sensitive quantification of diverse metabolites produced by different yeast strains and in different fermentation stages, newly developed metabolomics assays applied to yeast fermentation studies, empirical and computational methods of annotating the different types of metabolites. Manuscripts dealing with other pertinent challenging issues in this field are also highly desired.

Dr. Luca Roscini
Guest Editor

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Editor-in-Chief

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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.

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