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Recent Research in Wine Microbiology

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closed (30 September 2022)

Message from the Guest Editors

Dear Colleagues,

Wine production is essentially a microbiological process driven by vineyard and winery anthropogenic factors. Yeasts are the main agents of alcoholic fermentation, transforming most sugars into ethanol, and malolactic fermentation can also happen, in which lactic acid bacteria (LAB) transform the malic acid into lactic acid. Although often yeasts (*Saccharomyces cerevisiae*) and occasionally LAB (mainly *Oenococcus oeni*) are inoculated, since the must is not sterilized, the natural microbial diversity of the grapes and cellars plays a relevant role. Of course, the other anthropic activities, such as the treatments in the vineyard and vinification operations, greatly modify this microbial diversity.

The current Special Issue will publish recent research in wine microbiology considering all these mentioned aspects, as well as the interactions between the different microorganisms. New systems biology and omics technologies are increasingly used, to better understand the intracellular and extracellular molecular mechanisms, as well as to know the microbial diversity from grape to wine.

Prof. Dr. Albert Bordons
Prof. Dr. Cristina Reguant
Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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