



## Control of Wine Fermentation

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (31 October 2021)**

### Message from the Guest Editor

In recent years, the control of wine fermentation has been greatly improved, but, at the same time, new challenges have arisen.

Current advances in knowledge of yeasts and their diversity are essential. However, the effect of environmental parameters such as temperature, nutrition, aeration, turbidity, hydrodynamic conditions on the metabolism of these strains still needs to be better understood. Furthermore, the possible use of mixed cultures makes the problem harder, with questions such as optimization of sequential cultures.

Improving the control of fermentation also means looking for innovative or breakthrough strategies. Sensors already allow online monitoring or even automation of the process, but new sensors, related to organoleptic properties, can still be developed. Predictive fermentation models can lead to simulation and decision support tools and the coupling of such models with online monitoring seems very promising to develop optimal control strategies.

This Special Issue of Fermentation aims to disseminate recent innovative research regarding the management of wine fermentation.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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