

Special Issue

Control of Wine Fermentation

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.

Guest Editor

Dr. Jean-Marie Sablayrolles

INRAE, Joint Research Unit Sciences for Enology, Montpellier, France

Deadline for manuscript submissions

closed (31 October 2021)



Fermentation

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.7



mdpi.com/si/65026

Fermentation
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fermentation@mdpi.com

[mdpi.com/journal/
fermentation](https://mdpi.com/journal/fermentation)





Fermentation

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.7



[mdpi.com/journal/
fermentation](https://mdpi.com/journal/fermentation)



About the Journal

Message from the Editor-in-Chief

Welcome to a new open access journal, Fermentation, which meets the growing need for a high quality peerreviewed international journal with easy access to all researchers globally. We hope that you will share our enthusiasm for this new journal and look forward to working with you to make Fermentation a leader in its field. Your contributions are vital for the success of this new journal. Proposals for editing a special issue for a particular topical area are always welcome.

Editor-in-Chief

Dr. Badal C. Saha
Retired, National Center for Agricultural Utilization Research, USDA-
ARS, Peoria, IL, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, FSTA, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Biotechnology and Applied Microbiology) /
CiteScore - Q1 (Plant Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).