

Special Issue

Innovative Strategies for the Management of Wine Fermentations

Message from the Guest Editor

Wine fermentation can be carried out spontaneously by the microbial populations naturally associated with the grapes and the cellar or using selected microbial starters. The adequate management of the fermentation processes is essential to obtain quality wines with the desired sensory characteristics. In winemaking, mathematical models have been used for monitoring yeast growth during alcoholic fermentation over recent years, even if the potentiality of this approach in wine microbiology is little employed yet. Fermentation management using starter preparations is the most widespread. This approach is fundamental for the production of wines obtained with innovative processes, without added sulphur dioxide, with chemical-physical characteristics that make malolactic fermentation difficult, with high sugar content in the starting grape must or “special wines” like liqueur wines or sparkling wine. This Special Issue addresses and encourages the submission of manuscripts that cover a wide range of novel approaches, solutions, and methods for managing wine fermentation processes.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2024)



Fermentation

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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

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