

Special Issue

Wine Technology and Sensory Analysis

Message from the Guest Editors

Wine production is a complex process. The chemical composition of each wine depends on the wine variety, vineyard conditions, viticultural and vinification techniques and finally the aging and maturation stage. Each stage includes various factors that could affect the wine's chemistry. Wine's chemical composition is a mixture of many types of compounds. A combination of all the chemical compounds results in a unique wine color and aroma. Wine's aroma includes flavor and scent. Sensory analysis of wine is a crucial scientific discipline that enables an objective determination of wine's visual properties, olfactory and taste characteristics, variety correctness, and a potential consumer's perception of wine. The aim of this Special Issue is to provide insights into different wine technologies that are currently used and that affect wine's chemical composition and sensory properties. Submissions that include chemical and sensory analyses of grape, must and wine, along with new approaches, wine varieties, analytical methodology, vinification methods and their significance in world winemaking, are encouraged.

Guest Editors

Dr. Ivana Ivic

Faculty of Food Technology Osijek, Josip Juraj Strossmayer University of Osijek, F. Kuhača 18, 31000 Osijek, Croatia

Prof. Dr. Anita Pichler

Faculty of Food Technology Osijek, Josip Juraj Strossmayer University of Osijek, F. Kuhača 18, 31000 Osijek, Croatia

Deadline for manuscript submissions

15 October 2025



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/196927

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

mdpi.com/journal/

[applsci](https://doi.org/10.3390/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

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

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)