

Special Issue

New Application of Chitosan in Wine, Beer and Fruit Juices Process

Message from the Guest Editors

Chitosan is a versatile natural polymer that has been the subject of a vast number of studies over the last few decades. Food and beverage production are two sectors where chitosan has recently demonstrated promising applications, exploiting its antimicrobial or chelating activity. In wine, beer, or fruit juice processing, for instance, chitosan may help to control microbial spoilage, improve clarification, and reduce heavy metal contents. This Special Issue will collect the most relevant advances in the use of chitosan as a technical adjuvant or additive in the production of wine, beer, and fruit juice discussing, among others, subjects such as the following: comparative performances of chitosan from distinct sources; modification of chitosan for improved (and safe) microbial and chelating ability in beverages; technical solutions to exploit chitosan as active packaging material in wine, beer, or fruit juice; the role of chitosan as an antioxidant/radical scavenger in vegetal-derived beverages; unconventional utilization of chitosan to modulate the physicochemical or volatile composition of beverages. Both research and review papers are welcome.

Guest Editors

Dr. Fabio Chinnici

Dr. Donato Colangelo

Dr. Antonio Castro Marín

Deadline for manuscript submissions

closed (10 August 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/52451

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

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





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)