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Advances in Wine Physicochemical Properties, Sensory Attributes, and Health Benefits

Guest Editors:

Dr. Irena Budić-Leto

Institute for Adriatic Crops and
Karst Reclamation, Split, Croatia

**Prof. Dr. Gajdoš Kljusurić
Jasenka**

Faculty of Food Technology and
Biotechnology, University of
Zagreb, Pierottijeva 6, 10000
Zagreb, Croatia

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Message from the Guest Editors

Wine has been a part of the traditional Mediterranean diet and lifestyle. The latest research on the health-beneficial properties of wine is mostly focused on polyphenols as well-known compounds responsible for their bioactive properties against cardiovascular and neurological illness and cancer. However, a small amount of these compounds derived from grape fruit show beneficial health effects in the human body. The bioavailability of polyphenols may be the result of the food matrix, food processing, and gut microbiota. Aside from polyphenols, other compounds found in grapes, such as terpenoids, carbohydrates, and macro and micro elements beyond their nutritional value, also contribute to the fruit's physicochemical properties. This Special Issue will focus on the latest findings of grape wine composition, using non-destructive spectroscopy techniques and other techniques, with the aim of discovering compounds that are responsible for the physicochemical properties, sensory attributes, and beneficial health effects demonstrating wines. Special attention will be devoted to processing techniques, as well as microorganisms that are used to improve wine quality.



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Special Issue



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Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN, USA

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

Message from the Editor-in-Chief

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Contact Us

Foods Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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