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Grape 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

Grape is one of the most important fruit cultivars in the world. Grape and its product wine have been part of the traditional Mediterranean diet and lifestyle for centuries. The latest research of the health benefit properties of wine is mostly focused on polyphenols as well-known compounds responsible for its bioactive properties against cardiovascular and neurological illness and cancer. The bioavailability of polyphenols may be the result of the food matrix, food processing and gut microbiota. Besides polyphenols, other compounds found in grapes like terpenoids, carbohydrates and macro and micro elements beyond their nutritional value also contribute to physicochemical properties. This Special Issue will focus on the latest findings of grape wine composition, using Raman non-destructive spectroscopy techniques and other qualitative and quantitative techniques, aiming to discover compounds responsible for physicochemical properties, sensory attributes and health benefit effects representing grapes as a good source of functional food. Special attention will be devoted to the cultivation site, processing techniques and postharvest effect on grape composition.



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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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