

## Special Issue

# Influence of Enzymes on Virgin Olive Oil Composition and Quality

### Message from the Guest Editor

Virgin olive oil (VOO) is a key constituent of the Mediterranean diet, with a well-documented beneficial contribution to human health. The excellent nutraceutical and organoleptic properties of VOO are attributed to a balanced composition of fatty acids and a unique blend of natural antioxidants and uncommon specialized metabolites. These aspects differentiate VOO from other vegetable oils, and a growing demand has been documented globally. Over the last 30 years, the global production of VOO has doubled, reaching more than 3.5 million tones in 2018 (FAOSTAT, 2018), and this number is expected to grow as more and more consumers include VOO in their daily diet. This Special Issue of *Plants* aims to emphasize research on endogenous enzymatic hubs that are engaged in the quality and composition of olive oil. Additionally, potential topics include, but are not limited to, biotechnological treatments and practices in order to manipulate or even introduce novel enzymatic activities during drupe maturation, olive oil extraction, and storage. Both original research papers and review articles are welcome.

### Guest Editor

Dr. Konstantinos Koudounas

EA2106, Biomolecules and Plant Biotechnology, University of Tours,  
37200 Tours, France

### Deadline for manuscript submissions

closed (31 January 2022)



## Plants

an Open Access Journal  
by MDPI

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/72568](https://mdpi.com/si/72568)

*Plants*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[plants@mdpi.com](mailto:plants@mdpi.com)

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





# Plants

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

---

### Editor-in-Chief

Prof. Dr. Dilantha Fernando  
Department of Plant Science, University of Manitoba, Winnipeg, MB  
R3T 2N2, Canada

---

### 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), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)