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Influence of Processing Technologies on Olive Oil Chemical Characteristics and Evaluation of Virgin Olive Oil Quality

Guest Editor:

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Deadline for manuscript
submissions:

closed (26 April 2023)

Message from the Guest Editor

Dear Colleagues,

The influence of the extraction process is crucial in order to get virgin olive oil (VOO) of differentiated and unique quality with the highest yields. In fact, during the last decade, the search for new sensory nuances has resulted in “early harvest VOO”, and research on their antioxidant compounds, has given rise to its own nutritional claim. Hence, this increase in the demand for high-quality virgin olive oil continuously stimulates the search for new technologies for olive oil processing. Essential challenges of VOO extraction are mainly the design and development of equipment to increase the extraction yield and to reduce overall energy and water usage; to automate and reduce the process time, making production more efficient, and a deeper understanding of the complex biological reactions into olive paste that allows modulating the final composition of olive oil and increases outputs. This Special Issue addresses the current aforementioned technological challenges through scientific understanding, essential for achieving tasty, healthy, and sustainable virgin olive oil.

Dr. Araceli Sanchez-Ortiz
Guest Editor



mdpi.com/si/110446

Special Issue



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Message from the Editor-in-Chief

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