Special Issue

Olive Tree Cultivation and Olive Fruit Ripening: Physiological and Nutritional Management

Message from the Guest Editor

Irrigation management and application of fertilizers and plant protection products in olive (Olea europaea) growth, is still not completely clarified, however, it is essential for sustainable production. Climate change may affect the area of land suitable for olive cultivation and change production levels, thus causing serious damage to the olive grove agro-ecosystem. Biotic and abiotic factors characterize and predict the current and potential distribution of cultivated locations.

The appearance, color and main biochemical components of olive fruits and olive oil are influenced by the fruit ripening stage. Olive fruit ripening involves a combination of physiological and biochemical changes influenced by several environmental and cultural conditions. Agronomic and technological factors, including variety, irrigation rate, pest attack, fruit diseases, and harvest time affect fruit and oil quality. In parallel, the valorization of other by-products is worth addressing.

This Special Issue welcomes contributions that aid in the evaluation of relationships between cultivation practices, variety origin, fruit ripening procedures and chemical composition.

Guest Editor

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