



KEY-WORDS: SUSTAINABILITY ·
CERTIFICATION · YIELD · IRRIGATION ·
METABOLITES

PROFILE

I am a first-year PhD student in Agricultural Chemistry specialized in Olive-Oil Supply Chain.

AFFILIATION

Department of Food Science and Technology for a Sustainable Food Supply Chain (DiSTAS)
Università Cattolica del Sacro Cuore.

LANGUAGES



Mother language



Level B2

HOW TO REACH ME

Email Address:
camilla.farolfi@unicatt.it

Reference Contact

Prof. E. Capri

PROJECT TITLE

Strategies for Sustainable Management in Olive Growing

Steps of the research

- Preliminary assessment of sustainability in the olive-oil supply chain to identify areas of action and critical issues according to different levels of sustainability and interactions of the supply chain (environmental, social dynamics, nutritional and economic);
- Development of a procedural guideline consisting of sustainability requirements as the first phase of a new certification system for the supply chain;
- Submission of the procedural guideline to a large network of companies in the national territory;
- Evaluation of the influence of the crop load in olive groves (through different thinning theses) on the oil yield, on the accumulation of metabolites and, sustainability;
- Investigation of secondary metabolites and chemical pathways through metabolomics techniques;
- Assessment of the response of the olive trees to the availability of water: a study of the productive and physiological effects of olive groves and chemical-physical composition of olives.

Main Results

- Certification system for the olive-oil supply chain;
- Optimization of production and quality through the increase of yield and the correct use of water in the olive grove.

Research Contribution

The study wants to develop a new certification for the olive oil supply chain and wants to analyze which could be the most significant factors that contribute to the optimization of the production, producing a minor environmental impact.

Why should you care?

Italy has not been able to grasp the opportunities provided by the expanding market. The lack of competitiveness is the result of limits structural and organizational. The Italian extra virgin olive oil supply chain has considerable potential to undertake a path of sustainable development and evolution. Italy has unique biodiversity: it represents 40% of world heritage.