BIO-341 Enzymes and Metabolism

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Research group engaged in the study of different aspects of cellular metabolism and its regulation. It has recently focused on researching the presence and biological properties of phenolic and triterpenic compounds present in the olive tree and its products. The fruits and leafs of the olive tree are the fundamental subject of our research, as is the ripening process of the olive. The knowledge obtained from our work has the essential purpose of raising the value of products such as table olives and olive oil on which a good part of our province's economy rests.

Website of the group

http://otri.ujaen.es/ofertaidi/es/grupo-investigacion/bio-341

Research lines

- Metabolism regulation
- Enzymology
- Biochemistry of the olive tree

Related services and products

- Maslinic acid as an additive for animal production
- Maslinic acid as a food additive
- Protein separation, purification and characterization techniques
- Quantitation of metabolite concentration
- Characterization of the kinetic behavior of enzymes
- Quantitation of the specific amount of protein by means of Western-blot assays in animal and plant tissues
- Quantitation of the concentration of total phenolic compounds in samples of olive tree fruit, leaf, root and stem
- Quantitation of the concentration of oleuropein, hydroxytyrosol and tyrosol in samples of olive tree fruit, leaf, root and stem
- Specialization courses in Enzymes and Metabolism

Spanish website: https://bit.ly/2ECbFB9