UNIVERSIDAD DE GRANADA

FQM-297.
Environmental,
Biochemical and
Foodstuffs Analytical
Control Research Group

Research Lines

- **Applications in Food Metabolomics (mostly, but not exclusively, focusing on olive tree derived matrices and avocado):**
  - Characterization and authentication of food and plant extracts.
  - Evaluation of agro-technological parameters.
  - Selective isolation of relevant compounds to test (bio)activity.
  - Bioavailability studies / Simulated digestion.
- **Applications in Optical Sensors and Nanomaterials:**
  - Smart materials for selective extraction and optical sensing (mostly MIPs, polymer particles and non-woven mats).
  - Implementation of telecommunication tools to amplify the sensitivity and selectivity of optical measurements.
  - Incorporation of luminescent properties in materials for theragnostic.
  - Smart materials and (bio)sensors for microbioreactors.

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