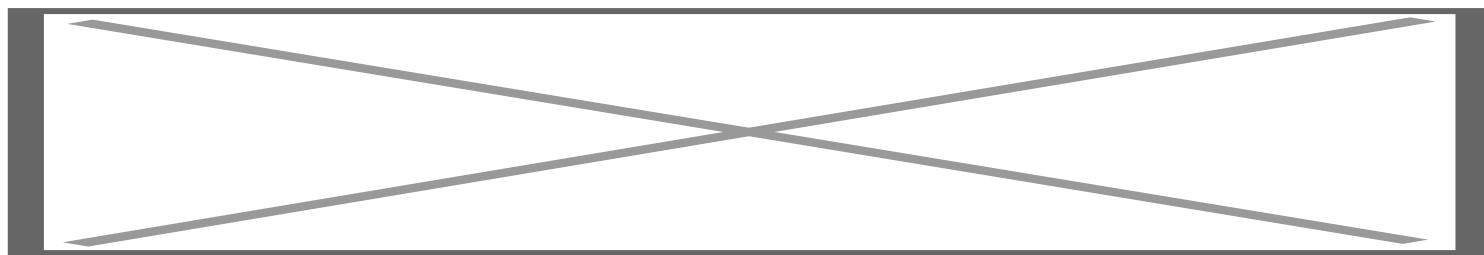


Projects of Chemical and Environmental Engineering (TEP-233)

Coordinator: Dr. Eulogio Castro Galiano (ecastro [arroba] ujaen [punto] es)



The “Chemical and Environmental Engineering” research group works on the harnessing of biomass residues, environmental control and purification processes, technology for extracting and refining olive oil and economic study of the industry.

Ongoing projects

Desarrollo y caracterización de nuevos composites geopoliméricos basados en residuos de la industria del olivar. Hacia una construcción sostenible

- Funding entity: State R&D Program Oriented to the Challenges of the Society
- Participating entities: University of Jaén
- Duration, from: 01-01-2018 till: 01-01-2021
- Subsidy Quantity: 108.900 €
- Researcher in charge: Dolores Eliche Quesada

Avances hacia una biorrefinería flexible en materias primas y productos en regiones con alta densidad de biomasa agroindustrial: caso del olivar

- Funding entity: State Program of Research, State R&D Program Oriented to the Challenges of the Society (Ref. ENE2017-85819-C2-1-R)
- Participating entities: University of Jaén
- Duration, from: 01-01-2018 till: 01-01-2021
- Subsidy Quantity: 108.900 €
- Researcher in charge: Inmaculada Romero Pulido/Encarnación Ruiz Ramos

Finished projects

Improvement of technologies and tools, e.g. biosystems and biocatalyst, for waste conversion to develop an assortment of high added value eco-friendly and cost-effective bio-products

- Funding entity: European Commission (FP7-PEOPLE-2012-IRSES Ref. 318931)
- Duration, from: 02/01/2015 till: 29/07/2016
- Subsidy Quantity: 39.900,00 €

Procesos avanzados de fraccionamiento y conversión biológica para la obtención de energía y productos químicos a partir de poda de olivo

- Funding entity: Ministry of Science and Innovation (MICINN). National R&D&I Plan (Ref. ENE2011-29112-C02-02)
- Participating entities: University of Jaén
- Duration, from: 01-01-2012 till 31-12-2014
- Subsidy Quantity: 157.300 €
- Number of participating researchers: 5

La biomasa del olivar como fuente energética y de productos químicos. Subproyecto I. Instalación de obtención de etanol y coproductos

- Funding entity: Regional Government of Andalusia. Projects of Excellence. Andalusian R&D&i Plan (Ref. AGR-6103)
- Participating entities: University of Jaén/Instituto de la Grasa-CSIC
- Duration, from: 30-12-2010 till: 30-12-2014
- Subsidy Quantity: 121.070,11 €
- Number of participating researchers: 8

Obtención de etanol y coproductos a partir de fuentes alternativas de biomasa

- Funding entity: Spanish Agency for International Development Cooperation (AECID) (Ref. D/030185/10)
- Participating entities: University of Jaén/University of Central de las Villas (Cuba)
- Duración, desde: 26-01-2011 hasta: 25-01-2012
- Subsidy Quantity: 89.500 €
- Number of participating researchers: 6

Integración de procesos para la obtención de energía, combustibles líquidos y productos de valor añadido a partir de la poda del olivar: una aproximación hacia la biorefinería

- Funding entity: Ministry of Science and Innovation (MICINN) National R&D&I Plan (Ref. ENE2008-06634-C02-02)
- Participating entities: University of Jaén
- Duration, from: 01-01-2009 till: 31-12-2011
- Subsidy Quantity: 118.580 €
- Number of participating researchers: 8

Diseño y optimización de una biorrefinería sostenible basada en biomasa del olivar y de la industria del aceite de oliva: análisis tecno-económico y ambiental

- Funding entity: MINECO (National R&D&I Plan, Ref. ENE2014-60090-C2-2-R)
- Participating entities: University of Jaén
- Duration, desde: 01-01-2015 from: 31-12-2017
- Subsidy Quantity: 145.200 €
- Investigador responsable: Encarnación Ruiz Ramos
- Number of participating researchers: 5

Modelo energético basado en la utilización masiva de energías renovables en la provincia de Jaén

- Funding entity: Regional Government of Andalusia. Projects of Excellence (Ref. TEP-5254)
- Participating entities: University of Jaén
- Duration: 03-03-2011 from 03-03-2014
- Subsidy Quantity: 63.238 €
- Researcher in charge: Julio Terrados Cepeda
- Number of participating researchers: 21