Advanced Biofuels Production from Waste Olive Pomace of Olive Oil Industries

Fact Sheet

Project Information

OliPFUEL

Grant agreement ID: 101062601

DOI
10.3030/101062601

Project closed

EC signature date
13 July 2022

Start date
5 September 2022

End date
4 September 2024

Funded under
Marie Skłodowska-Curie Actions (MSCA)

Total cost
No data

EU contribution
€ 165 312,96

Investment in EU policy priorities

Digital agenda	○	Clean air	○
Artificial Intelligence	○	Climate action	●
Biodiversity	○		

Coordinated by
UNIVERSIDAD DE JAEN
Spain

Project description

Making olive oil pomace into a greener biofuel

The olive oil industry produces significant amounts of olive pomace waste every year. Disposal has environmental ramifications, as does converting it into a biofuel

because the conventional process necessitates the use of corrosive and toxic acids. The MSCA-funded OliPFUEL project aims to change this through a proof-of-concept activity by researchers at the University of Jaen and the bioenergy company Bioliza. The project will develop an environmentally friendly way of optimising the conversion without the use of toxic chemicals by utilising water hydrolysis, yeast fermentation and hydrothermal processes. Results may lead to up-scaled olive pomace biofuel production and a greener energy future.

Fields of science (EuroSciVoc)

engineering and technology > environmental engineering > waste management > waste treatment processes > **recycling**

social sciences > economics and business > business and management > **entrepreneurship**

engineering and technology > industrial biotechnology > biomaterials > **biofuels**

natural sciences > biological sciences > biochemistry > biomolecules > proteins > **enzymes**

engineering and technology > industrial biotechnology > bioprocessing technologies > **fermentation**

Keywords

Non food biomass | Waste feedstocks | Hydrolysis | Hydrothermal treatment | Fermentation | Hydrochar | Bioethanol

Programme(s)

HORIZON.1.2 - Marie Skłodowska-Curie Actions (MSCA) MAIN PROGRAMME

Topic(s)

HORIZON-MSCA-2021-PF-01-01 - MSCA Postdoctoral Fellowships 2021

Call for proposal

HORIZON-MSCA-2021-PF-01

See other projects for this call

Funding Scheme

HORIZON-TMA-MSCA-PF-EF - HORIZON TMA MSCA Postdoctoral Fellowships - European Fellowships

Coordinator

UNIVERSIDAD DE JAEN

Net EU contribution

€ 165 312,96

Total cost

No data

Address

CAMPUS LAS LAGUNILLAS SN EDIFICO B1 VICERRECTORADO DE INVESTIGACION DESAR TECN E INNOVACION
23071 Jaen
Spain

Region

Sur > Andalucía > Jaén

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation Website
Participation in EU R&I programmes
HORIZON collaboration network

Partners (1)

PARTNER

RECURSOS ESTRATÉGICOS DE BIOMASA S.L.

Spain

Net EU contribution

€ 0,00

Address

PLAZA DEAN MAZAS 4, 4ºA
23001 Jaén

Region

Sur > Andalucía > Jaén

Activity type

Other

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Total cost

No data

Last update: 26 August 2022

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