Removal of microplastics from the environment using autochthonous wastewater-derived microbial consortia

Fact Sheet

Project Information

REMIPLASWAS
Grant agreement ID: 101063386

Funded under
Marie Skłodowska-Curie Actions (MSCA)

DOI
10.3030/101063386

Total cost
€ 0,00

EU contribution
€ 181 152,96

Coordinated by
UNIVERSIDAD DE GRANADA
Spain

Start date
7 March 2023

End date
6 March 2025

Project description

Recruiting microbes to remove microplastics from the water

Microplastics are tiny but they are one of the biggest sources of permanent pollution for the environment. This causes an urgent need for sustainable, inexpensive biobased microplastics removal strategies. To this aim, the EU-funded REMIPLASWAS project introduces the deployment of microbial autochthonous consortia as an environmentally friendly approach for the disposition of microplastics in wastewaters. The project tries to make the most out of the ability of microorganisms to transform organic matter and extract pollutants through a chain of different catabolic reactions energised by the induction of non-stereoselective enzymes.
Fields of science

- Engineering and technology > Environmental engineering > Water treatment processes > Wastewater treatment processes
- Engineering and technology > Environmental biotechnology > Bioremediation > Bioreactors
- Natural sciences > Earth and related environmental sciences > Environmental sciences > Pollution
- Natural sciences > Biological sciences > Microbiology

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

MSCA-PF - MSCA-PF

Coordinator

UNIVERSIDAD DE GRANADA

Net EU contribution

€ 181 152,96

Address

Cuesta del hospicio sn
18071 Granada
Spain
Region

Sur > Andalucía > Granada

Activity type

Higher or Secondary Education Establishments

Links

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

Other funding

€ 0,00

EC signature date 8 June 2022
Last update: 4 August 2022

Permalink: https://cordis.europa.eu/project/id/101063386

European Union, 2023