**Development of microalgae-based natural UV Sunscreens and Proteins as cosmeceuticals and nutraceuticals**

**Fact Sheet**

<table>
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<th>Project Information</th>
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<tr>
<td><strong>AlgaeCeuticals</strong></td>
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<tr>
<td>Grant agreement ID: 778263</td>
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<td><strong>Funded under</strong></td>
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<td>H2020-EU.1.3.3.</td>
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<td><strong>Overall budget</strong></td>
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<td>€ 1 129 500</td>
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<td><strong>EU contribution</strong></td>
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<td>€ 1 129 500</td>
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<td><strong>Start date</strong></td>
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<td>1 January 2018</td>
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<td><strong>End date</strong></td>
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<td>31 December 2022</td>
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<td><strong>Coordinated by</strong></td>
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<td>ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS</td>
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<td>Greece</td>
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**Objective**

The biotechnology of microalgae has gained considerable importance in recent decades, as they represent a largely untapped reservoir of novel and valuable bioactive compounds. The biological and chemical diversity of the microalgae, has been the source of unique bioactive molecules with the potential for industrial development as pharmaceuticals, cosmetics, nutritional supplements. The proposed project will combine both basic and applied research in the fields of –omics technologies, biochemistry, applied and enzyme biotechnology in order to exploit microalgae resources for the development: 1) Natural UV sunscreens, based on algae mycosporine-like aminoacids, 2) Algae-based nutraceuticals as functional
foods and food supplements, 3) Algae-derived proteases with applications in cosmetic (skin repair enzymes) and food industry. The implementation of the project will offer to the involved academic and SMSs the opportunity to translate scientific research into well defined knowledge-based ‘green’ products and analytical tools. Apart from scientific objectives, the project will enhance the European’s capacity in the field of Blue Growth and Marine Biotechnology by exchanging interdisciplinary knowledge, developing and disseminating joint research activities, thus strengthening the intersectoral links between academia and industry for sustainable growth.

Fields of science

Programme(s)

Topic(s)

Call for proposal

H2020-MSCA-RISE-2017

Funding Scheme

MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)

Coordinator

ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS

Address

Charilaou Thermi Road 6 Km
57001 Thermi Thessaloniki

Greece

Activity type  EU contribution

Research Organisations  € 135 000

Website  Contact the organisation
Participants (8)

**GEOPONIKO PANEPISTIMION ATHINON**

*Greece*

EU contribution

€ 139 500

Address

Iera Odos 75
11855 Athens

Website

Contact the organisation

**FONDAZIONE EDMUND MACH**

*Italy*

EU contribution

€ 162 000

Address

Via Edmondo Mach 1
38010 San Michele All’adige

Contact the organisation

**BIONOS BIOTECH SL**

*Spain*

EU contribution

€ 180 000

Address

Bulev Sur S/n - Biopolò La Fe
Edificio Torre A Ho
46029 Valencia

Contact the organisation

**IGV GREENFOOD GGMBH**

*Germany*

EU contribution

€ 0

Address

Arthur-scheunert-allee 40/41
14558 Nuthetal Ot

Contact the organisation
**Bergholzrehbrucke**

Contact the organisation

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**EPARELLA GMBH**

Austria

EU contribution

€ 40 500

Address

Eco-plus Park 1. Strasse 8
2460 Bruck An Der Leitha

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

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**FRESH FORMULA PRIVATE LIMITED COSMETICS MANUFACTURING COMPANY**

Greece

EU contribution

€ 171 000

Address

1 St Km Koropiou-markokoulou Av.
19400 Koropi

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

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**ASOCIACION EMPRESARIAL DE INVESTIGACION CENTRO TECNOLOGICO NACIONAL DE LA CONSERVA**

Spain

EU contribution

€ 171 000

Address

Calle De La Concordia
30500 Molina De Segura

Activity type

Research Organisations

Website

Contact the organisation

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**PARTICULA GROUP DRUSTVO S OGRANICENOM ODGOVORNOSCU ZA ISTRAZIVANJE RAZVOJ I PROIZVODNJU**

Croatia
EU contribution
€ 130 500

Address
Tina Ujevica 9
51000 Rijeka

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Last update: 19 June 2021
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