

Newsletter

Issue 10, June 2020



# ENHANCE MICROALGAE

High-added value industrial  
opportunities for microalgae in the  
Atlantic Area





## ALGALIMENTO

### The Microalgae Farming

[ALGALIMENTO](#), an associated [partner](#) of EnhanceMicroalgae (EMA), is a biotechnological company devoted to produce microalgae, ensuring the highest standards of quality and safety and the hygiene of its products. The company is based in Spain, including its facilities a production plant that covers 5.000 m<sup>2</sup> of cultivable surface.



ALGALIMENTO team has a strong commitment to innovation activities, i.e. mechanisms to develop changes in processes and/or products by incorporating new strategies, new technologies, etc. The priority of the company is the continuous improvement of product quality and applicability anticipating the market requirements. It currently produces three species of microalgae: *Tetraselmis*, *Spirulina* and *Dunaliella*.



Within the framework of the [EnhanceMicroAlgae](#) project, ALGALIMENTO is contributing with its great experience to identify new solutions and possibilities in the microalgae market. ALGALIMENTO is contributing to the project through their participation in workshops, brokerage events, and polls and project surveys. Visit their official [website](#) to find out more about ALGALIMENTO.

## List of Publications by EnhanceMicroAlgae

- **LATEST: Analysis of scientific research driving microalgae market opportunities in Europe**, published in *Marine Drugs*. Read [here](#).
- **A Bibliometric Analysis of Microalgae Research in the World, Europe, and the European Atlantic Area**, published in *Marine Drugs*. Read [here](#).
- **The Nagoya Protocol and Its Implications on the EU Atlantic Area Countries**, published in the *Journal of Marine Science and Engineering*. Read [here](#).
- **Microalgae carotenoids induce apoptosis and chemosensitization of human melanoma cells to vemurafenib and dacarbazine**, published in the *Global Journal of Biology, Agriculture & Health Sciences*. Read [here](#).
- **Enhancing the Food value of microalgae**, by Teagasc. Read [here](#).
- **Bibliometric report: Most studied microalgae in Europe** by University of La Rochelle. Read [here](#).
- **Updated UPLC DAD MS/MS pigment composition of *Tisochrysis lutea* and purification of fucoxanthin using centrifugal partition chromatography for the chemosensitization of melanoma cells**, submitted to *Algal Research*.
- **EnhanceMicroAlgae: An European Interregional Project Stimulating Research, Innovation, Industrial Development and Transnational Cooperation within the Atlantic Area Microalgae Sector**, published in the *Journal of Oceanography and Marine Research*. Read [here](#).



## EMA Virtual MarketPlace

Remember, the EnhanceMicroAlgae virtual Marketplace is now active: an online platform for the exchange of interests, knowledge, and offers and demands on microalgae-related services. The Marketplace aims to connect scientific research and innovation with industry and market to boost the development of the microalgae sector within the Atlantic Area, but worldwide members of the microalgae sector are welcome to contribute.

This platform is developed and managed by the EnhanceMicroAlgae coordinators, [ANFACO-CECOPESCA](#).

Visit our MarketPlace

Users of the Marketplace can use it to find Offers and/or place Requests about microalgae services, products, or processes within the following categories: Technology, Biomass, Food & Feed, Cosmetics & Pharma, Vacancies, and Others. Visit the marketplace to find the latest offers:

- [Micro and nanoencapsulation of bioactive compounds](#), by INL – International Iberian Nanotechnology Laboratory, Braga, Portugal.
- Method to extract and purify Chlorophyll and Xanthophyll from Biomass | [Simple and efficient method for fucoxanthin extraction from microalgae](#), by UACOOPERA, University of Aveiro, Portugal
- [Tailor-made biomass](#), by Bioréa, France.
- [R&D services in the agro-food, cosmetics and nutraceutical fields](#), by GLECEX, Spain.
- [Spirulina farm rental](#), by Ecospirulina S.L.
- [Strain acquisition, isolation, identification and cryopreservation of cyanobacteria and microalgae](#), by CIIMAR, Portugal.
- [Novel method to increase production and extraction of phytosterols in plant cell cultures](#), by the University of Alicante, Spain.

## Stakeholders Database

The **EMA database of stakeholders** is an easily accessible, visual and open access database bringing together all the European Atlantic Area players working in the microalgae sector.

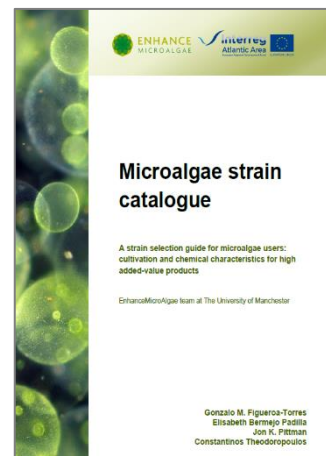
Visit our Database

The database, which includes an interactive map, facilitates the access to updated information and cooperation between companies and public institutions of the whole sector, and is part of EMA's [Work Package 4](#), led by [Université de La Rochelle](#).



## EMA Strain Catalogue

The microalgae [Strain Catalogue](#), compiled by the EMA team at [The University of Manchester](#) has released a **2<sup>nd</sup> edition** with information about more microalgae strains. This catalogue is part of the deliverables from [WP7](#), led by [Swansea University](#).





## Upcoming Conferences & Workshops

A calendar of courses and conferences of interest to the microalgae community is now available in the [EnhanceMicroalgae](#) website.

- [7<sup>th</sup> Conference of the International Society for Applied Phycology \(ISAP\)](#) | *Re-scheduled for May 23-28, 2021* | Makuhari Messe, Chiba, Japan
- [28<sup>th</sup> European Biomass Conference & Exhibition – Transition to a Bioeconomy](#) | *Re-scheduled for July 6-9, 2020 (VIRTUAL)* | Marseille, France
- [10<sup>th</sup> European Algae Industry Summit](#) | *Re-scheduled for October 20-21, 2020* | Reykjavik, Iceland
- [10<sup>th</sup> International Conference on Algal Biomass, Biofuels and Bioproducts](#) | *Re-scheduled for December 7-9, 2020* | Pittsburgh, USA
- [2<sup>nd</sup> Seaweed for Health Conference](#) | *Re-scheduled for August 23-26, 2020* | Galicia, Spain
- [3<sup>rd</sup> International Conference for Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability](#) | 20 -23 September, 2020 | Rive del Garda Congress Centre, near Lake Garda, Italy
- [14<sup>th</sup> World Congress on Biofuels and Bioenergy](#) | 21-22 September 2020 | Rome, Italy
- [AlgaEurope 2020](#) | 1 - 3 December, 2020 | Rome, Italy
- [AquaFarm 5<sup>th</sup> Edition \(International Conference & Tradeshow on Aquaculture, Algaculture and Fishing Industry\)](#) | 17-18 February, 2021 | Venice Area, Italy

### Workshops

- [11<sup>th</sup> European Workshop on the Biology of Cyanobacteria](#) | *Re-scheduled for 6-10 September 2020* | Porto, Portugal
- [EABA Workshops 2020 \(Technical Webinars\)](#)
  - Algae based Fish and Meat | 29-30 June
  - Phycocyanin from Algae | 3-4 September
  - Fermentation for Algae Production | 16-17 September
  - Algae Biofertilizer and Biostimulants | 6-7 October
  - Atlantic Sargassum Belt | 3-4 November

### EnhanceMicroalgae Webinar

The EnhanceMicroAlgae team will be hosting a Webinar on Thursday **16th July** showcasing the EMA virtual tools and outputs. The online event will be a great opportunity for members of the microalgae community to interact with the EMA consortium and benefit from the expertise of our partners.

Visit this [link](#) for more details and information regarding the registration process.



*\* **Notice:** The EnhanceMicroAlgae Manchester conference originally scheduled to take place on June 17-18, 2020 was postponed. We expect to re schedule the conference by the end of 2020 when the situation will have hopefully stabilised, allowing all attendees and participants to travel freely and safely.*

Sign-up to this Newsletter on the [EMA website](#), and remember to connect with us on social media to keep track of the latest project updates:

