

Newsletter

Issue 8, April 2020



ENHANCE MICROALGAE

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





COVID-19 Outbreak

A change in the way of working

In light of the impact of the COVID-19 outbreak, our EnhanceMicroalgae partners, like many other people from academic and industry around the world, have had to adapt their work to the current situation.

Disruption in on-going laboratory and pilot-scale experiments has been exploited by EnhanceMicroalgae researchers to work on collating and analysing data, writing and submitting scientific publications and updating the current project tools available on our website (e.g. stakeholder database, strain catalogue). This will allow us to continue facilitating information transfer among players in the microalgae sector and increase its competitiveness in the Atlantic Area.



List of Publications by EnhanceMicroAlgae

- **EnhanceMicroAlgae: An European Interregional Project Stimulating Research, Innovation, Industrial Development and Transnational Cooperation within the Atlantic Area Microalgae Sector**, published on the *Journal of Oceanography and Marine Research* (<https://www.enhancemicroalgae.eu/2018/11/22/6092/>).
- **Microalgae carotenoids induce apoptosis and chemosensitization of human melanoma cells to vemurafenib and dacarbazine**, published on the *Global Journal of Biology, Agriculture & Health Sciences* (<https://www.enhancemicroalgae.eu/2020/01/29/microalgae-carotenoids-induce-apoptosis-and-chemosensitization-of-human-melanoma-cells-to-vemurafenib-and-dacarbazine/>).
- **A Bibliometric Analysis of Microalgae Research in the World, Europe, and the European Atlantic Area**, published on *Marine Drugs* (<https://www.enhancemicroalgae.eu/2020/02/03/a-bibliometric-analysis-of-microalgae-research-in-the-world-europe-and-the-european-atlantic-area-published-in-marine-drugs/>).
- **The Nagoya Protocol and Its Implications on the EU Atlantic Area Countries**, published on the *Journal of Marine Science and Engineering* (<https://www.enhancemicroalgae.eu/2020/02/25/the-nagoya-protocol-and-its-implications-on-the-eu-atlantic-area-countries/>).
- **Enhancing the Food value of microalgae**, by Teagasc (<https://www.enhancemicroalgae.eu/2019/05/31/enhancing-the-food-value-of-microalgae/>).
- **Bibliometric report: Most studied microalgae in Europe** by University of La Rochelle (<https://www.enhancemicroalgae.eu/2020/04/15/new-publication-public-bibliometric-analysis-of-the-top-15-microalgae-genera/>).
- **Analysis of scientific research driving microalgae market opportunities in Europe**, submitted in *Marine Drugs*.
- **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 in *Algal Research*.



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.

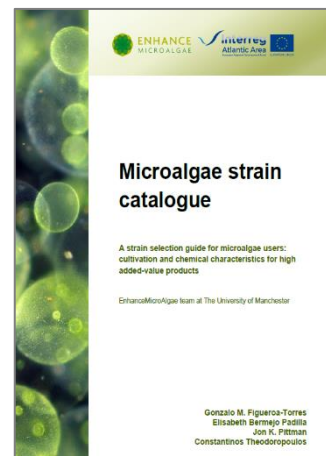
Visit our Database

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 2nd 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.

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

Workshops

- [11th European Workshop on the Biology of Cyanobacteria](#) | *Re-scheduled for 6-10 September 2020* | Porto, Portugal
- [Microalgae and Microtechnologies Incubator Workshop](#) | 9-12 June, 2020 | Queen Margaret University Campus, Edinburgh, UK
- [EABA Workshops 2020 \(Technical Webinars\)](#)
 - Algae antivirals | 28-29 May
 - Fucoxanthin from Micro and Macroalgae | 16-

- 17 June
- 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 Conference](#)

Enhancing microalgae potential: From microalgal strains to products

The University of Manchester
Manchester, UK



Notice: *In light of the on-going coronavirus outbreak and the evolving governmental measures taken across Europe to tackle the virus, the upcoming EnhanceMicroAlgae Manchester conference originally scheduled to take place on June 17-18, 2020 will be 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.*

We will keep you updated of the latest developments in the planning of this event, including important deadlines.

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:

