

Newsletter

Issue 11, July 2020



ENHANCE MICROALGAE

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



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MICROALGAE



Interreg
Atlantic Area
European Regional Development Fund



EUROPEAN UNION



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EnhanceMicroAlgae Webinar

On July 16, 2020, the EnhanceMicroAlgae team at the [University of Manchester](#) hosted the first project webinar which showcased the project virtual tools and research outputs to over 70 attendees from the microalgae sector from both industry and academic backgrounds.

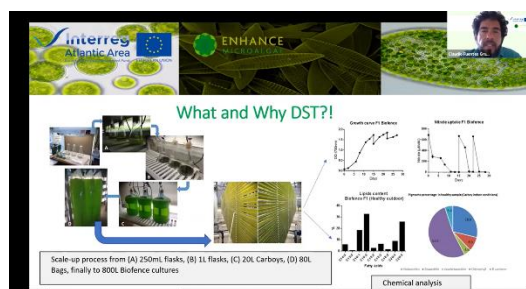


Prof. Constantinos Theodoropoulos kicked off the webinar and introduced attendees to the project partners and objectives. The webinar's first session started with Ms. Neha Srivastava, Patent Analyst from [Mintel](#), who delivered an informative talk on *The Promising Future of Microalgae* based on current market & consumer trends, as per the agency's Patent Insight Report.

The webinar's focus was then directed to highlight 4 important virtual tools:

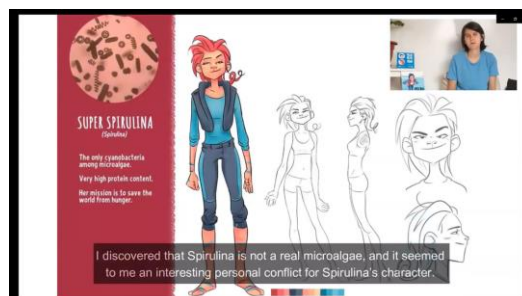
- **Virtual Marketplace**, presented by Dr. María José Chapela-Garrido ([ANFACO-CECOPESCA](#), Spain).
- **EMA Stakeholder Database**, presented by Dr. Laurent Picot ([University of La Rochelle](#), France).
- **EMA Decision Support Tool (DST) Book**, presented by Dr. Claudio Fuentes-Grünwald ([Swansea University](#), UK).
- **EMA Microalgae Strain Catalogue**, presented by Dr. Elisabeth Bermejo and Dr. Gonzalo Figueroa ([University of Manchester](#), UK).

You can find more information about these tools on the next page.



The webinar also highlighted relevant research outputs delivered within the project scope, featuring talks by the EMA partners Dr. Enma Conde ([GLECEX](#), Spain), Msc. Marta Vinha-Vieira ([INL](#), Portugal), and Dr. Laurent Picot ([University of La Rochelle](#), France).

Attendees were then treated to a quick glimpse of the [EMA comic book creation process](#) by the the Spanish illustrator Xulia Píson. Xulia's career as an illustrator started in nursing school, she worked in the hospital field for about 6 years until one day she decided to give herself the opportunity to do what really made her happy: draw for a living!



Find a recording of the webinar and all the presentation materials [here](#).

"The webinar was very informative, I will eagerly await the customized version of the DST Tool"

"All the presentations were interesting and the speakers explained very well their research"

"Brief and informative presentations, opening of speakers for further contact."

**Thank you all for your participation
and positive feedback!**



EnhanceMicroAlgae Publications

- **LATEST:** 3D Printed functional cookies fortified with *Arthorspira platensis*: Evaluation of its antioxidant potential and physical-chemical characterization, published in *Food Hydrocolloids*. Read [here](#).
- **LATEST:** Printability, microstructure, and flow dynamics of phase-separated edible 3D inks, published in *Food Hydrocolloids*. Read [here](#).
- **LATEST:** Updated UPLC DAD MS/MS pigment composition of *Tisochrysis lutea* and purification of fucoxanthin using centrifugal partition chromatography for the chemosensitization of melanoma cells, accepted in *Algal Research*. Link available soon.
- **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](#).
- **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](#).

EnhanceMicroAlgae Virtual Tools

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. The database is part of EMA's [WP4](#), led by [Université de La Rochelle](#).

Visit our Database



The **EMA virtual Marketplace** is an online platform for the exchange of interests, knowledge, and offers and demands on microalgae-related services. This platform is part of EMA's [WP8](#), and is developed by the EMA coordinators, [ANFACO-CECOPESCA](#).

Visit our MarketPlace



The [Decision Support Tool \(DST\) Book](#) provides a means to help users better understand the factors that can affect microalgae growth through the use of a (free) simulation platform and regularly updated models.

The 2nd Edition of the [Microalgae Strain Catalogue](#), compiled by the EMA team at [The University of Manchester](#) is now available. The catalogue compiles information about microalgae cultivation and biochemical characteristics.

Both the DST Book and the Strain Catalogue are part of the EMA's [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](https://www.enhancemicroalgae.com) website.

- [28th European Biomass Conference & Exhibition – Transition to a Bioeconomy](#) | July 6, 2020 (*The Content will be available for viewing online until September 6, 2020*) | Marseille, France
- [2nd Seaweed for Health Virtual Conference](#) | August 24-25, 2020 | Galicia, Spain
- [Algae Biomass Summit 2020](#) | August 12 – October 2, 2020 | Algae Biomass Association (Virtual)
- [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 (Webinar)
- [SEAGRICULTURE 2020](#), 9th International Seaweed Conference | 24-25 September, 2020 | Virtual
- [10th European Algae Industry Summit](#) | October 20-21, 2020 | Reykjavik, Iceland
- [Euglena International Network \(EIN\) – Inaugural Meeting](#) (Online) | 9-10 November, 2020 | EIN (Virtual)
- [10th International Conference on Algal Biomass, Biofuels and Bioproducts](#) | December 7-9, 2020 | Pittsburgh, USA
- [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
- [12th International Phycological Congress IPC2021](#) | 21-26 March, 2021 | Puerto Varas, Chile (Virtual)

- [7th Conference of the International Society for Applied Phycology \(ISAP\)](#) | May 23-28, 2021 | Makuhari Messe, Chiba, Japan

Workshops

- [11th European Workshop on the Biology of Cyanobacteria](#) (online event) | 6-10 September 2020 | Porto, Portugal
- [EABA Workshops 2020](#) (Technical Webinars)
 - Phycocyanin from Algae | 4 September
 - Fermentation for Algae Production | 17 September
 - Algae Biofertilizer and Biostimulants | 7 October
 - Atlantic Sargassum Belt | 4 November

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:



[Click this link](#) to read out past Newsletters.