

**Project partners:**

1. A4F, Algafuel, SA (A4F)
2. Mikrobiologicky Ustav AV CR V.V.I (IMIC)
3. Forfarmers Corporate Services BV (FF)
4. Instituto de Biologia Experimental e Tecnológica (IBET)
5. International Flavors and Fragrances IFF (Nederland) BV (IFF)
6. Laboratorio Nacional de Energia e Geologia I.P. (LNEG)
7. Phycom BV (PHY)
8. Upfield Research and Development B.V. (UPF)

## MULTI-STR3AM

**A sustainable multi-strain, multi-method, multi-product microalgae biorefinery integrating industrial side streams to create high-value products for food, feed and fragrance**

**BBI-2019-SO1-D2 - Produce components for various materials, including for food and feed, from microalgae**

**Collaborative project**

**Start date of the project: 01/05/2020**

**Duration: 60 months**

### Deliverable 6.15

**Report on participation in knowledge-sharing events for year 4**

WP	6	Communication and dissemination
Task	6.4	Organisation of and participation in knowledge sharing events (M1-M60)

Dissemination level <sup>1</sup>	PU	Due delivery date	30/04/2024
Nature <sup>2</sup>	R	Actual delivery date	30/04/2024

Lead beneficiary	A4F
Contributing beneficiaries	IMIC, FF, IBET, IFF NL, LNEG, PHY, UpF

<sup>1</sup> Dissemination level: **PU** = Public, **CO** =/ Confidential, only for members of the consortium (including the BBI), **CI** =Classified, information as referred to in Commission Decision 2001/844/EC.

<sup>2</sup> Nature of the deliverable: **R**: Document, report (excluding the periodic and final reports), **DEM**: Demonstrator, pilot, prototype, plan designs, **DEC**: Websites, patents filing, press & media actions, videos, etc., **OTHER**: Software, technical diagram, etc.

WP 6:	A4F	<b>Author</b>
	A4F	Approval by WP leader
	A4F	Approval by coordinator

Document Version	Date	Partner	Comments <sup>3</sup>
V1	23/03/2024	<i>Mariana Doria/ A4F</i>	Creation
V2	24/03/2024	<i>Mariana Doria/ A4F</i>	Modification
V3	30/04/2024	<i>Mariana Doria/ A4F</i>	Final

---

<sup>3</sup> Creation, modification, final version for evaluation, revised version following evaluation, final

## **Deliverable abstract**

This deliverable refers to all knowledge-sharing events, such as networking events, industry salons and conferences, for year 4, to disseminate results and gain relevant knowledge.

This deliverable is part of Task 6.4, on the “Organisation of and participation in knowledge sharing events”. The goal is twofold: to promote the project results and contribute to the awareness of potential of microalgae as a source of food and feed ingredients as well as high-value compounds.

The third year (M37-M48) was defined by the dissemination plan as the first part of the dissemination development phase. The main objective was to increase visibility, mostly through communication activities: conferences, articles, press releases, website, and other social media; with the participation of all partners.

The consortium was able to take part in 44 dissemination and communication activities during this period.

## Table of content

---

<b>1. Dissemination and Communication Activities .....</b>	<b>5</b>
Objectives of the fourth year .....	5
<b>2. Activities carried out for the period M37-M48 (May 2023-April 2024).....</b>	<b>6</b>
2.1. Communication Campaign (e.g. Radio, TV) .....	6
2.1.1. Podcast of the Faculty of fishery and water protection, Southbohemian university. Topic – microalgae	6
2.1.2. Podcast of the Academy of Sciences of the Czech Republic, including presentation of bakery products with microalgae.....	7
2.2. Exhibition .....	8
2.2.1. Future of Protein Production.....	8
2.2.2. Food Ingredient Europe; including a stand.....	9
2.3. Organisation of a Workshop .....	10
2.3.1. Workshop for Princeton University (including presentation).....	10
2.3.2. Talent Academy for southbohemian students .....	11
2.4. Other .....	12
2.4.1. MULTI-STR3AM Newsletter #4 .....	12
2.4.2. Public presentation "algae on a fork" .....	13
2.5. Participation in activities organised jointly with other EU project(s) .....	14
2.5.1. From Ulva aquaculture to food and feed production.....	14
2.6. Participation to a Conference .....	16
2.6.1. International Conference on Algae Extracts (including presentation) .....	16
2.6.2. 6 <sup>th</sup> Internacional Conference WASTES 2023.....	17
2.6.3. Future of Protein Production 2023.....	18
2.6.4. EFIB 2023 - European Forum for Industrial Biotechnology and the Bioeconomy .....	19
2.6.5. AlgaEurope Conference, 2023   Prague, 12-15 December 2023.....	20
2.7. Pitch Event .....	23
2.7.1. Presentation and visitor conference on sustainability issues related to food, packing, recycling, re-use etc.	23
2.8. Social Media.....	24
2.8.1. MULTI-STR3AM LinkedIn profile.....	24
2.8.2. ALGATECH Centre – Inst. Microbiol. Czech Acad. Sci.   IMIC LinkedIn profile .....	32
2.8.3. PHYCOM’s LinkedIn profile .....	35
2.1. Trade Fair .....	37
2.8.4. VědaFest (Science Festival) - presentation of IMIC’s research.....	37
2.8.5. Výstava Země živilka (Agricultural fair) - algal biotechnology presentation .....	38

## **1. Dissemination and Communication Activities**

---

The MULTI-STR3AM consortium is concerned to give fair publicity to the project and its innovative applications, in favour of the dissemination of scientific and technological knowledge and communicate with policy makers and consumers about characteristics and advantages of these new products.

The deliveries on Dissemination Plan (D6.1, D6.8, D6.12, D6.17) and Communication Plan (D6.2, D6.9, D6.13, D6.18) detail the overall goals of these activities, important stakeholders, and key messages to address, besides the performance indicators (KPIs).

### ***Objectives of the fourth year***

The fourth year (M37-M48) was defined by the dissemination development phase. This phase of the dissemination plan has as main goal to sustain and increase visibility and engagement of the target groups defined. This phase has been implemented by each partner and the consortium alike, investing on disseminating the project's results in conferences, articles, press releases, website, and social media.

In terms of dissemination, the project partners will benefit from the awareness raised through communication activities to identify any low hanging fruits that can later benefit dissemination efforts.

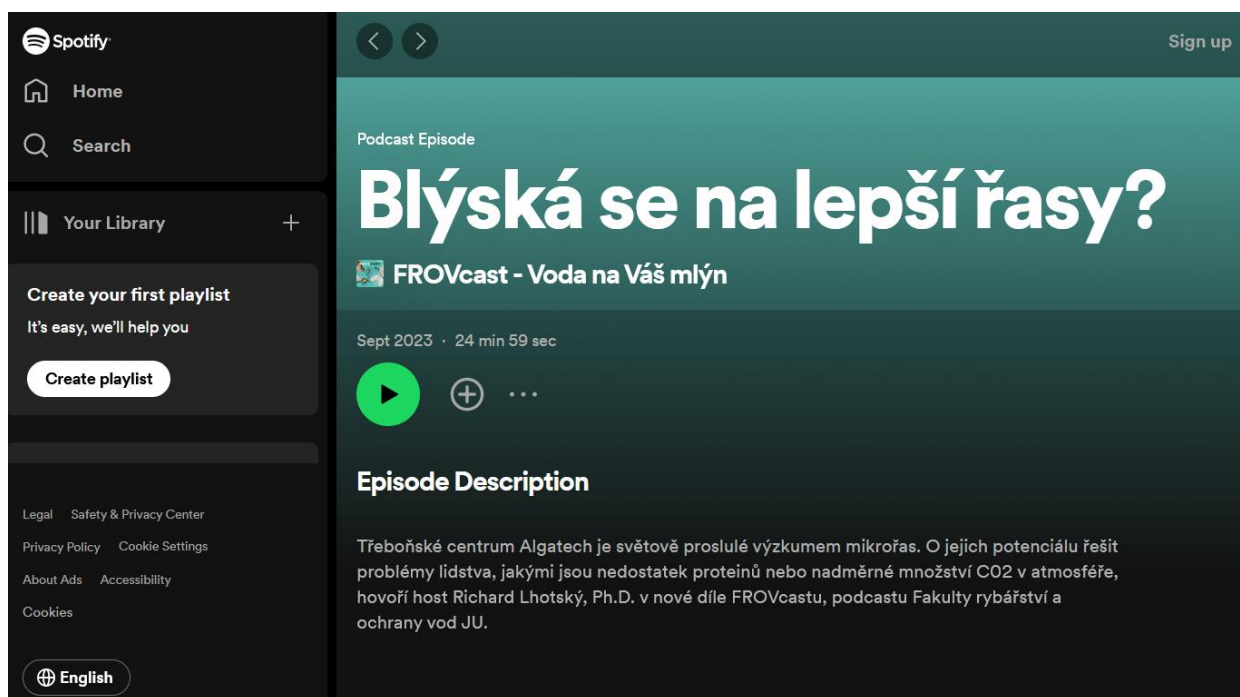
## 2. Activities carried out for the period M37-M48 (May 2023-April 2024)

In total, 44 activities were identified by the MULTI-STR3AM consortium during May 2023 and April 2024. In this section, all these activities will be briefly described according to the different means of communication and dissemination.

Number of persons reached was estimated per each activity, and classified among scientific community, industry representatives, general public, policy makers, media, investors and customers.

### 2.1. Communication Campaign (e.g. Radio, TV)

#### 2.1.1. Podcast of the Faculty of fishery and water protection, Southbohemian university. Topic – microalgae



Partner	Date	Online/Offline	Means of verification, References & Links
---------	------	----------------	---

IMIC	30 September 2023	Online	<a href="https://open.spotify.com/episode/30XZgJyr5dRTYgoeD0liwz">https://open.spotify.com/episode/30XZgJyr5dRTYgoeD0liwz</a>
------	-------------------	--------	---

	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
<b>Persons reached</b> <i>(estimated)</i>	100	10	50	10	15	5	5	195

## 2.1.2. Podcast of the Academy of Sciences of the Czech Republic, including presentation of bakery products with microalgae

11. 01. 2024

Skryténky, zlativky, krásnoočka nebo třeba parožnatky – mnohé z řas mají poetické názvy. Stanou se někdy důležitou součástí našeho jídelníčku? Nebo už jí jsou, aniž bychom to tušili? Poslechněte si, jak se řasy dají využít v kuchyni, medicíně nebo průmyslu. Richarda Lhotského z [Centra Algatech při Mikrobiologickém ústavu AV ČR](#) jsme se při příležitosti [Týdne Akademie věd](#) zeptali, jak se řasy zkoumají a jak se v tomto oboru daří propojovat vědu a byznys.

Partner	Date	Online/ Offline	Means of verification, References & Links					
IMIC	7 November 2023	Online	<a href="https://www.avcr.cz/cs/pro-verejnost/aktuality/PODCAST-LIVE-Rasy-na-taliri.-Richard-Lhotsky-predstavuje-vyzkum-mikroras-v-praxi/">https://www.avcr.cz/cs/pro-verejnost/aktuality/PODCAST-LIVE-Rasy-na-taliri.-Richard-Lhotsky-predstavuje-vyzkum-mikroras-v-praxi/</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached <i>(estimated)</i>	100	10	50	10	15	5	5	195

## 2.2. Exhibition

### 2.2.1. Future of Protein Production



Partner	Date	Online/Offline	Means of verification, References & Links					
PHY	11 October 2023	Offline	<a href="https://www.futureofproteinproduction.com/">https://www.futureofproteinproduction.com/</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached <i>(estimated, given the number of attendees)</i>	100	250	10	50	20	20	50	500



### 2.2.2. Food Ingredient Europe; including a stand



Partner	Date	Online/Offline	Means of verification, References & Links					
PHY	28 November 2023	Offline	<a href="https://www.figlobal.com/fieurope">https://www.figlobal.com/fieurope</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
<b>Persons reached</b> <i>(estimated, given the number of attendees)</i>		1400	24000					25400

## 2.3. Organisation of a Workshop

### 2.3.1. Workshop for Princeton University (including presentation)



*Opening lecture about centre and ongoing projects.*

Partner	Date	Online/ Offline	Means of verification, References & Links					
IMIC	6 June 2023	Offline	ND					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
<b>Persons reached</b>	20							20

### 2.3.2. Talent Academy for southbohemian students

Most successful collaboration with a district government. In 2023 most talented secondary school students chosen by natural sciences teachers tried work in our Institute and Southbohemian University. One of the tasks was to analyse toxins from poppy seed sweets, algal bloom and toxic plant, other group worked in microbiology lab, others did picture analysis of dead and living algae cells after staining.

**Nadání studenti nahlédli pod ruce třeboňským vědcům. Zahráli si i na detektivy**

0 Nehodnoceno, buďte první! [Ohodnoťte článek](#)

13. 6. 2023

**Jana Urbanová**  
Reportérka  
[Napište mi](#)

Nejnadanější studenti ze všech gymnázií v kraji se letos účastní dalšího kola TalentAkademie Jihočeských nadějí. Aktuální běh je zaměřený především na přírodní vědy. Studenti během několika dní absolvují exkurze na Fakultu zemědělskou a technologickou a Fakultu rybářství a ochrany vod v Českých Budějovicích, užijí si debatu s předním českým biochemikem Liborem Grubhofferem nebo se dozvědí více o tématu vodní stres ve světě a v Česku. Mezi vrcholy programu bude patřit beseda s českým egyptologem a archeologem Miroslavem Bártou. Akademii zpestří svou přednáškou i známý novinář a vysokoškolský učitel Václav Moravec.



31 fotografií  
v galerii >

Talented students on Monday visited the working site of the Center for Applied Biotechnologies in Třeboní. | Video: Jana Urbanová



Partner	Date	Online/Offline	Means of verification, References & Links
---------	------	----------------	---

IMIC	12 June 2023	Offline	<a href="https://jindrichohradecky.denik.cz/zpravy_region/nadani-studenti-nahledli-pod-ruce-trebonskym-vedcum-zahráli-si-i-na-detektivy-20.html?fbclid=IwAR3tn2bPVII4F1emocgF-YSyKwwFWFwVOXJbr4FzHijyvzcyRbjWBFiCg">https://jindrichohradecky.denik.cz/zpravy_region/nadani-studenti-nahledli-pod-ruce-trebonskym-vedcum-zahráli-si-i-na-detektivy-20.html?fbclid=IwAR3tn2bPVII4F1emocgF-YSyKwwFWFwVOXJbr4FzHijyvzcyRbjWBFiCg</a>
------	--------------	---------	---

	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	50							50



## 2.4. Other

### 2.4.1. MULTI-STR3AM Newsletter #4



#### MULTI-STR3AM Newsletter #4

Dear subscriber,

Welcome to the fourth newsletter of the MULTI-STR3AM project. We highlight the main events organised by the MULTI-STR3AM project as well as the most recent results regarding the multi-biorefinery. Scroll up to learn more about the project!



The MULTI-STR3AM Consortium Meeting has taken place in Lisbon, Portugal



Partner	Date	Online/ Offline	Means of verification, References & Links					
A4F	6 June 2023	Online	<a href="https://www.multi-str3am.com/en/press-news?news">https://www.multi-str3am.com/en/press-news?news</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached <i>(estimated, given the number of subscribers, plus visitors to the website and LinkedIn post)</i>	150	100	100	20	20	10	40	440

## 2.4.2. Public presentation "algae on a fork"

Partner	Date	Online/ Offline	Means of verification, References & Links					
IMIC	16 June 2023	Offline	<a href="https://www.alga.cz/c-77-prednasky.html">https://www.alga.cz/c-77-prednasky.html</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	30							30

## 2.5. Participation in activities organised jointly with other EU project(s)

### 2.5.1. From Ulva aquaculture to food and feed production

Organization of a roundtable on biorefinery of micro and macroalgae.

**From Ulva aquaculture to food and feed production:  
state-of-the-art, bottlenecks, risks and gaps**



### Program, Day 1 - 23<sup>rd</sup> May

**09:00 Welcome**

Rui Pereira & Sylvia Strauss Welcome and site safety information  
Bruno Sommer Ferreira (A4F Board Member) Welcome from A4F  
Muki Shpigel (Action Coordinator) Welcome and Cost businesses

**Session 1 - Post-harvesting processes and other emerging issues**

09:20 Alex Goldberg Progress and Challenges in *Ulva* bio refinery. How to scale up?  
09:45 Jessica Adams Pilot-scale biorefining  
10:10 Laurie Hoffman Application of *Ulva spp.* in packaging  
10:35 Rosário Domingues Lipids from *Ulva sp.* with add value as nutrients and bioactive phytochemicals for healthy food and functional ingredients  
11:00 **DISCUSSION TIME FOR TOPIC** Moderators: Anna Fricke & Alex Goldberg

11:30 Coffee Break

**Session 2 - Round-table of MULTI-STR3AM project**

11:50 Antonio Martínez Project CIRCALGAE  
12:00 Cristina Matos Project MULTI-STR3AM  
12:10 Oystein Arlov SINTEF  
12:20 Urd G. Bak Project SEAMARK;  
12:30 **DISCUSSION TIME FOR TOPIC** Moderator: Mariana Doria

13:15 Lunch

**Session 3 - Ulva in Food**

14:25 Alan Critchley (online) Seaweeds/ Seawheat cultivation onland – via commodity to specialty phyconomy (to outer space)  
15:10 Raquel Godinho New Food Products Development - algae potential and challenges  
15:35 Sylvia Strauss Development of *Ulva* food products and their consumer acceptance  
16:00 Anna Fricke *Ulva* for integrative urban farming – the food4future approach  
16:25 **DISCUSSION TIME FOR TOPIC** Moderators: Sylvia Strauss & Umair Ahsan

16:55 Coffee Break

**Session 4 - Ulva in Feed**

17:15 Jens Legarth Fermented plant protein/seaweed improves animal health  
17:30 Muki Shpigel The use of *Ulva sp.* in Integrated Multi-Trophic Aquaculture systems (IMTA) An Ecological Approach for a Sustainable mariculture  
17:45 Umair Ahsan Use of *Ulva spp.* in animal diets: opportunities and challenges  
18:00 **DISCUSSION TIME FOR TOPIC** Moderators: Sylvia Strauss & Umair Ahsan

18:30 Closing





Partner	Date	Online/ Offline	Means of verification, References & Links					
A4F	23 May 2023	Offline	<a href="https://seawheatcost.haifa.ac.il/">https://seawheatcost.haifa.ac.il/</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	25	13						38



## 2.6. Participation to a Conference

### 2.6.1. International Conference on Algae Extracts (including presentation)



June 7th, 2023

From 9:00 AM to 12:30 PM (10:00 AM to 01:30 PM CET)

- 09h00 | Conference opening – *Vitor Verdelho, A4F*
- 09h15 | A4F: Pioneering Algae Research and Development for Sustainable Solutions – *Sara Badenes, A4F*
- 09h30 | EXTRATOTECA: Microalgae Extracts for High Value Products – *EXTRATOTECA Consortium (WP leaders)*
- 10h00 | Amino acid based biostimulants from animal manure – *Montse Jorba, LEITAT Managing Technologies*
- 10h20 | Microalgal-based ω3 HUFAs-rich Extracts Downstream Processing Strategies – *Alberto Reis, LNEG*
- 10h40 | Microalgae Biorefineries from lab to industrial scale – *Cristina Matos, A4F*
- 11h00 | Coffee break
- 11h20 | A sustainable, healthy and delicious protein that meets market and planet's needs – *Derek Latil, Algemy*
- 11h40 | Algae Extracts: Regulations and Limitations. Is Green Always Worth of Blue Sustainability Chips? – *Silvio Mangini, Archimede Ricerche srl*
- 12h00 | The Algae4IBD project – Scouting/Screening/Scaling algae extracts for IBD patients – *Benoit Queguineur, Algaia*

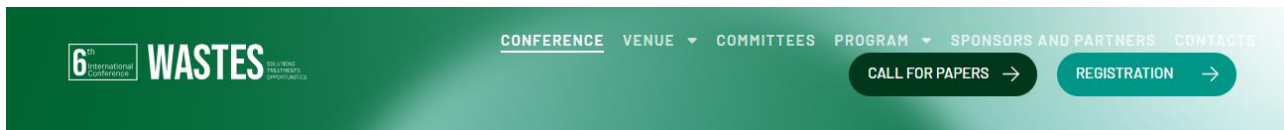
Partner	Date	Online/ Offline	Means of verification, References & Links					
A4F	7 June 2023	Online	<a href="https://icae.extratoteca.pt/" style="color: white;">https://icae.extratoteca.pt/</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	109	39	8					156



## 2.6.2. 6<sup>th</sup> Internacional Conference WASTES 2023

Coimbra, 8-10 September 2023.

Oral Presentation: "EFFECT OF Nannochloropsis sp. CELL DISRUPTION ON MICROALGAE LIPID EXTRACTION YIELDS".



Wastes aims at bringing together academia and industry experts from the Waste Management and Recycling sectors, from around the world, offering state of the art knowledge and sharing experiences with all in attendance.

Partner	Date	Online/Offline	Means of verification, References & Links					
LNEG	8 September 2023	Offline	<a href="https://www.wastes2023.org/">https://www.wastes2023.org/</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
<b>Persons reached</b> <i>(estimated, given the number of attendees)</i>	360	55	40	10	10	5	20	500

### 2.6.3. Future of Protein Production 2023



Partner	Date	Online/Offline	Means of verification, References & Links					
PHY	11 October 2023	Offline	<a href="https://www.futureofproteinproduction.com/">https://www.futureofproteinproduction.com/</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached <i>(estimated, given the number of attendees)</i>	100	250	10	50	20	20	50	500

## 2.6.4. EFIB 2023 - European Forum for Industrial Biotechnology and the Bioeconomy



### EFIB 2023 – Industrial biotechnology for a sustainable and resilient global Europe

24 October 2023 @ 8:00 am – 25 October 2023 @ 5:00 pm CEST

EuropaBio is pleased to announce that this year's edition of **EFIB, Europe's Leading Event on Industrial Biotechnology and the Bioeconomy** under the title 'Industrial biotechnology for a sustainable and resilient global Europe', will take place **24-25 October 2023 in Rotterdam, The Netherlands**. EuropaBio is partnering with local hosts **HollandBio** and **ChemistryNL** to bring EFIB 2023 to Rotterdam.

Now in its **16th year**, EFIB will be dedicated to exploring how industrial biotechnology and the bioeconomy supports European competitiveness. EFIB brings together professionals from across the value chain to discuss advancements from industrial biotechnology and its contribution towards positioning Europe as a global leader in addressing societal and sustainability challenges. Participants include industry of all sizes, as well as the community that enables industry to deliver, including researchers, policy makers, regulators, and global organisations.

Our two-day programme includes inspiring plenaries, a start-up pitching hour and will explore our four thematic areas – Food, Feed & Nutrition; Sustainable Biomaterials; Bioprocesses & Technologies; and Sustainable Finance – as well as new frontiers like biomanufacturing. The programme is complemented by the exhibition: including start-ups and SMEs in our SME Village, the academic poster presentation in our Innovation Campus, and exhibitors from industry and national associations. Interested in exhibiting? Check out our sponsorship page.

Attending EFIB 2023 will allow you to learn about the latest market trends and research findings in industrial biotechnology and network with key stakeholders.

[Register Here](#)

Partner	Date	Online/Offline	Means of verification, References & Links
---------	------	----------------	---

A4F	24-25 October 2023	Offline	<a href="https://efibforum.com/">https://efibforum.com/</a>
-----	--------------------	---------	---

	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached <i>(estimated, given the number of attendees)</i>	700	1500	200	100	50	100	200	2850

## 2.6.5. AlgaEurope Conference, 2023 | Prague, 12-15 December 2023

- A. Oral presentation: “Application of countercurrent chromatography for the efficient recovery of Docosahexaenoic acid (DHA N-3) from microalgae”; José Cheel, IMIC.



**09:40 am - 10:55 am: Session 6: Biorefinery**

- 09:40 am - 09:55 am: Inês Guerra (GreenCoLab): *Arthrospira platensis* up-value through a biorefinery approach: phycocyanin and protein fraction isolation
- 09:55 am - 10:10 am: Alexandre Six (CEA): Bridging the gap from raw microalgae to bioplastic: conversion of *Chlorella vulgaris* into thermoplastic starch
- 10:10 am - 10:25 am: Nolwenn Kergosien (Algaia/LEMAR): Biorefinery approach for the industrial extraction of metabolites from four specimens of tropical and temperate brown seaweeds
- 10:25 am - 10:40 am: José Cheel (Institute of Microbiology, Czech Academy of Sciences (CAS)): Application of countercurrent chromatography for the efficient recovery of docosahexaenoic acid (dha n-3) from microalgae
- 10:40 am - 10:55 am: Lorenzo López Rosales (University of Almeria): Selection of construction materials for adhesion photobioreactors to culture benthic microalgae

Partner	Date	Online/Offline	Means of verification, References & Links
---------	------	----------------	---

IMIC	12, 13, 14 December 2023	Offline	<a href="https://algaeeurope.org/conference-program-2023/">https://algaeeurope.org/conference-program-2023/</a>
------	-----------------------------	---------	---

	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached <i>(estimated, given the number of attendees)</i>	300	200	50	40	30	5	10	635

- B. Oral presentation: “Development of thin-layer cascades for microalgae cultivation milestones”; Jiri Masojidek, IMIC.



Conference ▾

Sponsors & Partners ▾

Call for Abstracts ▾

Athens ▾

Previous Conferences ▾

Media ▾

Contact

Tickets

Angela Wulff (University of Gothenburg): From research idea to business - a bumpy road

### 09:40 am - 10:55 am: Session 12: Biomaterial

09:40 am - 09:55 am: Klaas Hellingwerf (Photanol B.V.): Modeling of glycolate production by synechocystis in pilot-scale photo-bioreactors

09:55 am - 10:10 am: Eri Adams (Galdieria, Co., Ltd): Utilisation of an Extremophile, *Galdieria*, for precious metal recovery and a circulating society

10:10 am - 10:25 am: Arianna Rizzo (Nantes University): Diatoms frustule refractive index heterogeneity can be related to waveguiding properties?

10:25 am - 10:40 am: Elvira Rakova (Algae Scope Italy): Maximizing value and sustainability: the multistream product approach for macroalgae-based carbon mitigation and circular economy advancement

10:40 am - 10:55 am: Jiri Masojidek (Centrum Algatech): Development of thin-layer cascades for microalgae cultivation: milestones

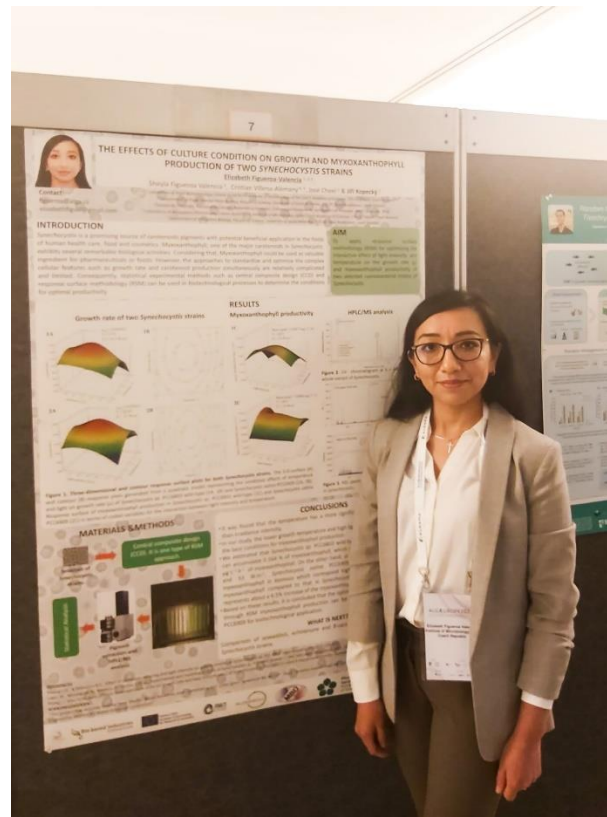
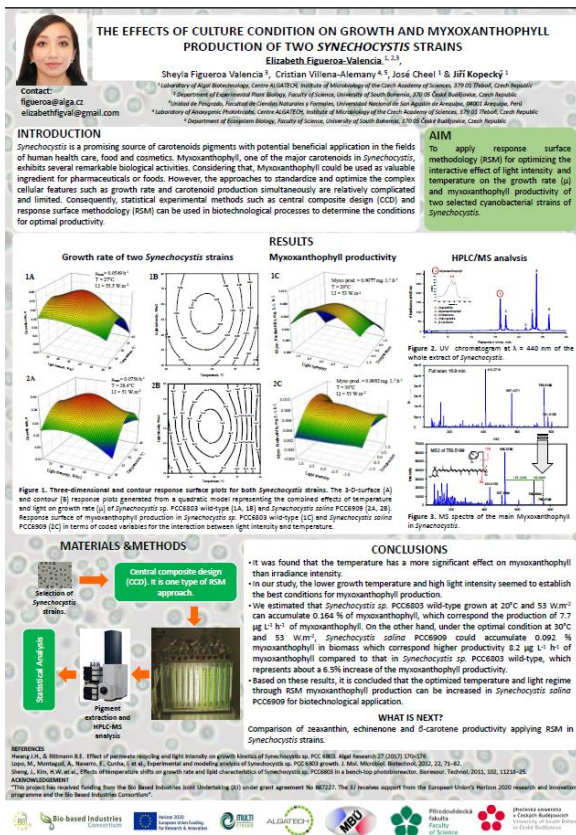
Partner	Date	Online/Offline	Means of verification, References & Links
---------	------	----------------	---

IMIC	12, 13, 14 December 2023	Offline	<a href="https://algaeurope.org/conference-program-2023/">https://algaeurope.org/conference-program-2023/</a>
------	--------------------------	---------	---

	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached <i>(estimated, given the number of attendees)</i>	300	200	50	40	30	5	10	635



C. Poster presentation: “The effects of culture condition on growth and Myxoxanthophyll production of two *Synechocystis* strains”; Elizabeth Figueiroa-Valencia



Partner	Date	Online/Offline	Means of verification, References & Links					
IMIC	12, 13, 14 December 2023	Offline	<a href="https://algaeurope.org/conference-program-2023/">https://algaeurope.org/conference-program-2023/</a>					
Persons reached	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
	(estimated, given the number of attendees)	200	100	30	30	10	1	5

## 2.7. Pitch Event

### 2.7.1. Presentation and visitor conference on sustainability issues related to food, packing, recycling, re-use etc.



Partner	Date	Online/Offline	Means of verification, References & Links					
PHY	29 November 2023	Offline	<a href="http://www.engage.ifm.eng.cam.ac.uk">www.engage.ifm.eng.cam.ac.uk</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached		75						75



## 2.8. Social Media

### 2.8.1. MULTI-STR3AM LinkedIn profile



## MULTI-STR3AM

Research Services

886 followers



The new press release of MULTI-STR3AM is now available on the project's website <https://lnkd.in/d74UfaaV>

Don't miss the most recent news about the project and the exciting start of a new biorefinery for multi-species and multi-products.

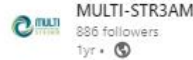
Circular Bio-based Europe Joint Undertaking (CBE JU)

#multistr3am #project #pressrelease #biorefinery #microalgae #products #food #feed #fragrance



33

3 reposts



Can microalgae help us overcome the reduction of arable land and protein shortage worldwide due to global warming?

Cultivation of autotrophic microalgae doesn't require arable land and uses carbon dioxide, from waste CO2 gas streams, as a source of carbon. Some autotrophic microalgae produce alternative proteins, which are increasingly accepted by consumers.

iBET - Instituto de Biología Experimental e Tecnológica's team members are working on the downstream processing of microalgae within the MULTI-STR3AM project, with a focus on the extraction and purification of proteins using Aqueous Biphasic Systems, a sustainable technology.

Despite proteins being abundant in some microalgae, the challenge remains of working with crude microalgae extracts with high-complexity of compounds

Current target applications: feed and food applications

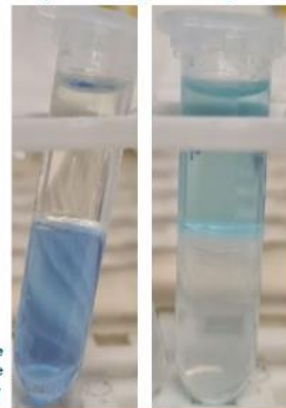
Case-study: *Arthrospira platensis* (*Spirulina* sp.) with  $\geq 70\%$  of proteins and with  $\sim 14\%$  in its dry weight matter of phycocyanin, which is a valuable blue pigment with anti-oxidant and therapeutic properties.

Circular Bio-based Europe Joint Undertaking (CBE JU)

#multistr3am #microalgae #biorefinery #foodindustry #protein #aqueousbiphysicsystem #food #feed



#### Aqueous Biphasic Systems



Protein was in the bottom-phase Initially

Protein migrated to the upper-phase After Mixing and Centrifugation



**MULTI-STR3AM**  
886 followers  
1yr •

On the 16th and 17th of May, the **MULTI-STR3AM** Consortium has reunited in Lisbon, Portugal, in the installations of **A4F-Algae for Future** and **LNEG** for an in-depth discussion on the project's progress and more recent results.

The Consortium Meeting counted with the participation of all partners **A4F-Algae for Future**, **LNEG**, **ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.**, **iBET - Instituto de Biologia Experimental e Tecnológica**, **Phycom**, **ForFarmers**, **IFF** and **Upfield** that had the opportunity to further enhance their connection with a meeting dinner.

This was a valuable opportunity to reinforce the long and successful collaboration between all partners.

Read more about **MULTI-STR3AM** project at the website <https://lnkd.in/d6--wXyW>

#multistr3am #project #consortiummeeting #microalgae #biorefinery #food #feed #fragrance

Circular Bio-based Europe Joint Undertaking (CBE JU)



51

8 reposts

**MULTI-STR3AM**  
886 followers  
11mo •

The **MULTI-STR3AM** Consortium meeting has reunited all the project's partners in Lisbon, Portugal: **A4F-Algae for Future**, **LNEG**, **iBET - Instituto de Biologia Experimental e Tecnológica**, **ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.**, **Phycom**, **ForFarmers**, **IFF**, **Upfield**. This was an opportunity to visit several sites where the project is being developed:

- ★ **ALGATEC Eco Business Park**, where algae biomass is being produced for the project by **A4F-Algae for Future**, is an entrepreneurial park that welcomes companies and projects in the algae and microalgae sector. <https://algatec.eu/en/>
- ★ The **MULTI-STR3AM** biorefinery installed by **A4F-Algae for Future** was producing *Spirulina* extracts using filtration techniques during the visit. It also includes a demonstration unit for solvent extraction and drying.
- ★ The Lisbon Experimental Unit of **A4F-Algae for Future**, a GMO compliant unit with 10 m<sup>3</sup> of capacity, to test and optimize biological and engineering solutions for the production of new microalgae strains and products. <https://lnkd.in/eTci36i>
- ★ The **LNEG** Infrastructure for pilot scale testing in microalgae-based biorefineries with 2 m<sup>3</sup> of capacity directed to biomass production and downstream processing including a solar dryer.
- ★ The **LNEG** Infrastructure for lab scale testing in microalgae-based biorefineries within the Bioenergy and Biorefinery Unit, acting as the Microalgae Platform of the Biomass and Bioenergy Research Institute (BBRI). <https://lnkd.in/eQUvuZx3>

Follow the project's results in the **MULTI-STR3AM** website <https://lnkd.in/d6--wXyW>

#multistr3am #project #consortiummeeting #microalgae #biorefinery #food #feed #fragrance

Circular Bio-based Europe Joint Undertaking (CBE JU)





On the 23rd of May, **MULTI-STR3AM** has organised a round-table event on biorefining "Multi-perspective on biorefineries for micro- and macroalgae" within the **Seawheat - COST Action** workshop, held in Lisbon, Portugal. The workshop counted with the presence of seaweed experts from all parts of the globe and was live streaming for other participants to join in.

The **MULTI-STR3AM** round-table has discussed the main challenges in the biorefinery processes for seaweed and microalgae to reach commercial scale and viability. It counted with the participation of representatives of ongoing initiatives in the EU, on micro- and macroalgae biorefineries:

- ★ Antonio Martínez, **CIRCALGAE** project <https://www.circalgae.eu/>
- ★ Cristina Matos, **MULTI-STR3AM** project <https://lnkd.in/d6--wXyW>
- ★ Øystein Arlov, **SINTEF** - The Norwegian Seaweed Biorefinery Platform <https://www.sintef.no/en/>
- ★ Urd G. Bak, **SeaMark** project <https://seamark.eu/>

#projects #event #microalgae #seaweed #biorefinery #roundtable

Circular Bio-based Europe Joint Undertaking (CBE JU)



23

3 reposts



On the 13th of May, **iBET - Instituto de Biologia Experimental e Tecnológica** has participated on the open day of **ITQB NOVA**, where the general public was invited to put the lab coat on and experiment the scientific side of things. 🧪 🔬 💡

**iBET - Instituto de Biologia Experimental e Tecnológica** was present to share with the public all about "Microalgae: the sustainable micro-biofactories of the future", where **MULTI-STR3AM** project was also explained for the general public, in particular the cultivation side of microalgae.

Visit the website to learn more about **MULTI-STR3AM**: <https://lnkd.in/d6--wXyW>

#multistr3am #project #openday #microalgae #cultivation #public

Circular Bio-based Europe Joint Undertaking (CBE JU)



17



 MULTI-STR3AM  
886 followers  
10mo • 

Don't miss this video where [ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.](#) explains its work behind heterotrophic growth of microalgae species, and the strain selection and optimization procedures to ensure the best heterotrophic growth performances, a work developed within [MULTI-STR3AM](#) project.

[#multistr3am](#) [#project](#) [#video](#) [#microalgae](#) [#heterotrophy](#) [#growth](#) [#cultivation](#)



Research of heterotrophic strains

youtube.com



 MULTI-STR3AM  
886 followers  
10mo • 

Check this video from [Phycom](#) where the chef [Joris Schildknecht](#) explains its passion about vegan food and the advantages of microalgae for such products. Two recipes for producing vegan food products with microalgae are shown, highlighting the bright future that awaits microalgae food products.

[MULTI-STR3AM](#) project is working to bringing microalgae food products to the market, with the help of [Phycom](#) for the development of heterotrophy cultivation.

To know more about the project, visit the webpage <https://lnkd.in/d6--wXyW>

[#multistr3am](#) [#project](#) [#microalgae](#) [#food](#) [#vegan](#) [#recipes](#) [#chef](#)

<https://lnkd.in/d7bTD3ev>

Circular Bio-based Europe Joint Undertaking (CBE JU)



Joris Schildknecht: Algae in meat alternatives

youtube.com





Check this video from [Phycom](#) where the chef Bas Cloo talks about food transition and the interest of algae as a creative culinary ingredient. Bas explains how microalgae can be easily applied to food products as crackers, smoothies and for creating vegan mayonnaise.

**MULTI-STR3AM** project is working to bringing microalgae food products to the market, with the help of Phycom for the development of heterotrophy cultivation.

To know more about the project, visit the webpage <https://lnkd.in/d6--wXyW> #multistr3am #project #microalgae #food #foodtransition #recipes #chef

<https://lnkd.in/dNZ9wT9K>

Circular Bio-based Europe Joint Undertaking (CBE JU)



Bas Cloo: Algae as creative culinary ingredient.

youtube.com



1 comment · 1 repost



Another summer holidays have gone by but not without the presence of algae! **A4F-Algae for Future**, coordinator of the **MULTI-STR3AM** project, has developed several summer activities for kids and adults to learn more about seaweed and microalgae! 🌊 🌱

Take a look at the following activities and enjoy the ending of summer time! 🌈 🎨

Watercolor Activities 🌟

PT: <https://lnkd.in/d8rpHZHC>

EN: <https://lnkd.in/dHSnuEe3>

Observing Microalgae Growth Guide 🌟

PT: [https://lnkd.in/dKqGhP\\_v](https://lnkd.in/dKqGhP_v)

EN: <https://lnkd.in/ddKRwAQY>

Search Algae Words 🌟

<https://lnkd.in/dZyyRsDh>

Spirulina Crackers Recipe 🌟

PT: <https://lnkd.in/dPFsiQ2>

EN: <https://lnkd.in/dD9M-Vcf>

Algae Pressing Guide 🌟

PT <https://lnkd.in/dM9-tkkW>

EN <https://lnkd.in/da4mcdw8>

#multistr3am #microalgae #summer #activities #recipes #watercoloring #microalgaeGrowth #wordsearch #pressing Circular Bio-based Europe Joint Undertaking (CBE JU)

**ALG'AMAZING SUMMER @A4F**

**AUGUST 2023**

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

- 03. Algae Pressing
- 09. Observing Microalgae Growth
- 16. Microalgae Recipe
- 23. Algae Watercolor Painting
- 29. Algae Word Search

**a4f**  
algae for future



Exciting Partner News: Phycom Receives €9M Investment to Accelerate Growth

Our project partner **Phycom** announced that they secured a significant investment of over €9 million from esteemed partners: **Corbion**, **Phase2.earth**, Invest-NL and Invest International.

This substantial investment is a testament to Phycom's groundbreaking technology for large-scale microalgae cultivation, which promises top-tier quality and sustainability. With the rising demand for alternative protein sources and a sustainable food system, Phycom's microalgae production is poised to revolutionize the future of nutrition. Read the full press release at <https://lnkd.in/d2GsUWf8>

Circular Bio-based Europe Joint Undertaking (CBE JU)

#multistr3am #phycom #investment #microalgae production



Phycom Receives Funding to Accelerate Growth

phycom.eu • 1 min read



During the last 18 months, the **MULTI-STR3AM** project has achieved several important results:

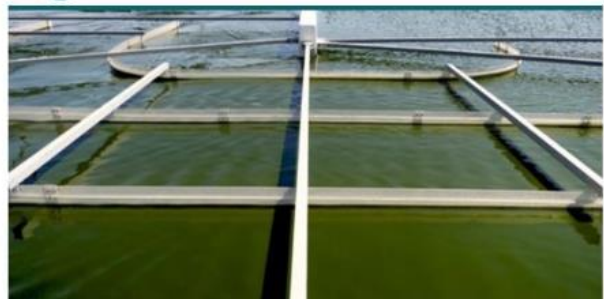
- ✦ Integration of industrial side streams (effluent rich in nitrogen and industrial brine effluent) as feedstock for microalgae cultivation: *Dunaliella salina* and *Nannochloropsis* sp.
- ✦ the biorefinery has produced 26 microalgal biomass samples for testing in food, feed and fragrance applications
- ✦ First trials by end-users have started to incorporate microalgal biomass in the applications
- ✦ Data gathered from all technical activities for the development of a life-cycle analysis and techno-economic analysis
- ✦ 3 new scientific publications in peer-reviewed journals

#multistr3am #project #microalgae #food #feed #fragrance #effluents #microalgae cultivation #biorefinery #trials #lifecycleanalysis #technoeconomicanalysis

Circular Bio-based Europe Joint Undertaking (CBE JU)



Project results during the last 18 months





**MULTI-STR3AM**  
886 followers  
7mo •

Joana Ortigueira presented the "Environmental assessment of an industrial-scale microalgae production system through process modelling", resulting from the social, environmental and economic life cycle assessment task performed by LNEG under the MULTI-STR3AM project, on the Global Symposium on Bioenergy and Biorefineries associated to the 11th World Congress of Chemical Engineering, in Buenos Aires, Argentina. The still ongoing work focused on the environmental analysis of the production of autotrophic strains for the extraction of various fractions to be used by end-users in the development of food, feed and fragrance applications.

#multistr3am #project #biorefinery #environmentalanalysis #sustainability #networking

Circular Bio-based Europe Joint Undertaking (CBE JU)



17

**MULTI-STR3AM**  
886 followers  
7mo •

Happy World Algae Day!

#food #feed #fragrance #microalgae #algae #multistr3am

Circular Bio-based Europe Joint Undertaking (CBE JU)

**A4F-Algae for Future**  
17,537 followers  
7mo •

Happy World Algae Day!  
At A4F, we're championing the boundless potential of algae. From nutrition to carbon capture, these incredible microorganisms are shaping a susta ...see more

17

**MULTI-STR3AM**  
886 followers  
3w •

Check it out!

Results in Brief article about MULTI-STR3AM was published at CORDIS website in six languages.  
<https://lnkd.in/dQVavHaB>


CORDIS belongs to the Research and Innovation community platform of the European Commission and complements the Funding and tender opportunities website, where you can apply for funding and search for partners.

This article is part of the CORDIS Results Pack on algae innovation, listing 11 ongoing EU projects:  
<https://lnkd.in/eVA4wQ2J>

Visit the links and continue to follow up on MULTI-STR3AM developments.  
<https://lnkd.in/d6--wXyW>

#CORDIS #EUresearchResults #multistr3am #project #microalgae #food #feed #fragrance #microalgacultivation #biorefinery

Circular Bio-based Europe Joint Undertaking (CBE JU)



A multi-product microalgae biorefinery for food, feed and fragrance  
 cordis.europa.eu • 3 min read

João Nunes and 46 others • 5 reposts

MULTI-STR3AM reposted this


**Circular Bio-based Europe Joint Undertaking (CBE JU)**  
18,704 followers  
2d •

The CBE JU-funded **MULTI-STR3AM** project is turning an abandoned industrial site in **Portugal** into a **microalgae biorefinery**.

This innovative project combines multiple **algae** strains and processing methods, along with industrial by-products, to produce valuable **biobased** ingredients such as food, feed, and fragrances.

Learn more in the latest **CBEachievements**: <https://lnkd.in/d92Bjv2N>

#bluebioeconomy



A multi-product microalgae biorefinery for food, feed and fragrance  
 cbe.europa.eu • 3 min read

You and 136 others • 1 comment • 6 reposts

Partner	Date	Online/Offline	Means of verification, References & Links					
A4F		Online	<a href="https://www.linkedin.com/company/multi-str3am">https://www.linkedin.com/company/multi-str3am</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
<b>Persons reached</b> <i>(summing all views and estimated audience of the LinkedIn profile)</i>	3911	3333	3233	410	267	141	718	12013

## 2.8.2. ALGATECH Centre – Inst. Microbiol. Czech Acad. Sci. | IMIC LinkedIn profile



### ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.

Research Services  
Třeboň, Jihočeský

1K followers

ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.  
1,112 followers  
6mo • Edited

Overview of industrial cultivation of microalgae

**#Microalgae** are an extraordinary resource important for human nutrition and animals - proteins, lipids, polysaccharides, pigments, antioxidants and other biologically active substances. In addition, they have great potential for use in cosmetics, pharmaceuticals, medicine, but also in industry - in wastewater treatment, CO2 sequestration, production of polymers and fuels.

Overview of the most used microalgae and especially the methods of their cultivation on an industrial scale are presented in the review of the Czech-Italian author team led by the **ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.** - Solar bioreactors used for the industrial production of microalgae.

The review discusses species like *Arthrospira* (**#Spirulina**), *Chlorella* (**#Chlorella**), *Dunaliella* (**#Dunaliella**), *Haematococcus* (**#Haematococcus**), *Nannochloropsis* (**#Nannochloropsis**), *Phaeodactylum* (**#Phaeodactylum**), *Porphyridium* and some others and provides a comparison of culture systems - circulating tanks, open ponds, cascades, sleeves, panels, tubular systems and others, including heterotrophic cultivation.

This paper is part of the **MULTI-STR3AM** Project.

Link: <https://lnkd.in/eV7jVMaV>

Picture: Cultivation plant in Hawaii. Photo courtesy of the **Cyanotech Corporation**, Kailua-Kona, HI



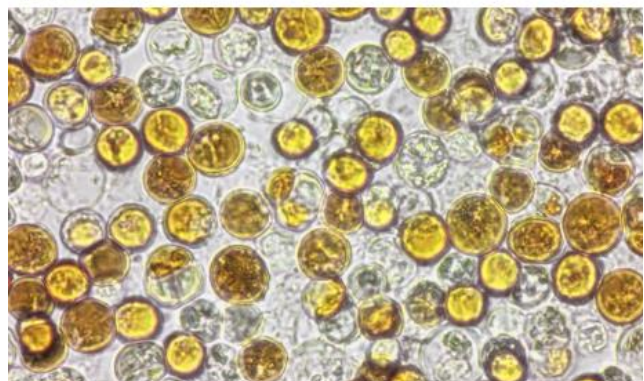
197

3 comments • 15 reposts

ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.  
1,112 followers  
5mo • Edited

**ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.** (IMIC) has successfully completed the commercialization process of its unique **#microalgae** strain **#Parachlorella**. The bred strain is yellow, so it can only be grown heterotrophically. What is important, **#lutein** is its only pigment and in quantities that make this alga competitive with plants from which lutein is now commercially extracted. The commercialisation partner is the Dutch company **Phycom**, which is one of the largest European producers of microalgae under strictly controlled heterotrophic cultivation conditions. The company grows 500 tonnes of microalgae per year, but **Phycom** plans to increase its production significantly. **IMIC** and **Phycom** are also partners in the European **MULTI-STR3AM** project. Thanks are also given to the **Transfer Center CAS** (Technology Transfer Centre of the Czech Academy of Sciences) for their assistance in the technology transfer.



Images: Richard Lhotský **ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.**, **Phycom**



121

5 reposts



 ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.  
1,112 followers  
6mo • Edited • 

Overview of industrial cultivation of microalgae

**#Microalgae** are an extraordinary resource important for human nutrition and animals - proteins, lipids, polysaccharides, pigments, antioxidants and other biologically active substances. In addition, they have great potential for use in cosmetics, pharmaceuticals, medicine, but also in industry - in wastewater treatment, CO<sub>2</sub> sequestration, production of polymers and fuels.

Overview of the most used microalgae and especially the methods of their cultivation on an industrial scale are presented in the review of the Czech-Italian author team led by the **ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.** - Solar bioreactors used for the industrial production of microalgae.

The review discusses species like *Arthrospira* (**#Spirulina**), **#Chlorella**, **#Dunaliella**, **#Haematococcus**, **#Nannochloropsis**, **#Phaeodactylum**, **#Porphyridium** and some others and provides a comparison of culture systems - circulating tanks, open ponds, cascades, sleeves, panels, tubular systems and others, including heterotrophic cultivation.

This paper is part of the **MULTI-STR3AM** Project.



Link: <https://lnkd.in/eV7jVMAv>

Picture: Cultivation plant in Hawaii. Photo courtesy of the **Cyanotech Corporation**, Kailua-Kona, HI



  197

3 comments • 15 reposts

 ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.  
1,112 followers  
6mo • Edited • 

Our review Solar bioreactors used for the industrial production of microalgae is now free available for academics on **ResearchGate** web - <https://lnkd.in/dVjeu5d>.

Supported by **MULTI-STR3AM**

 8

1 repost

**ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.**  
1,112 followers  
2w •

Great to be part of this project.

**MULTI-STR3AM**  
886 followers  
3w •

Check it out!

Results in Brief article about MULTI-STR3AM was published at CORDIS website in six languages.  
<https://lnkd.in/dQVavHaB>


CORDIS belongs to the Research and Innovation community platform of the European Commission and complements the Funding and tender opportunities website, where you can apply for funding and search for partners.

This article is part of the CORDIS Results Pack on algae innovation, listing 11 ongoing EU projects:  
<https://lnkd.in/eVA4wQ2J>

Visit the links and continue to follow up on MULTI-STR3AM developments.  
<https://lnkd.in/d6--wXyW>

#CORDIS #EUresearchResults #multistr3am #project #microalgae #food #feed #fragrance #microalgaeactivation #biorefinery

Circular Bio-based Europe Joint Undertaking (CBE JU)




**ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.**  
1,112 followers  
1d •

V pátek 19. a v sobotu 20. dubna proběhla v Písku akce Den Země zaměřená v letošním roce na vodu. Součástí prezentací byla i mobilní laboratoř **Biologické centrum AV ČR, v.v.i.**, ve které se prezentovaly i řasy a sinic. Na představení těchto mikroorganismů jako zdroje potravin se podílel i **ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.** Mladí i dospělí návštěvníci se seznámili s tím, co mikroskopické řasy vlastně jsou, jak vypadají, jak se dají pěstovat v průmyslovém měřítku, a dokonce mohli některé ochutnat – chlorelové muffiny nebo řasové pusinky. Mikrořasy v potravinách jsou tématem probíhajícího projektu **#Potraviny\_pro\_budoucnost** v rámci programu Akademie věd ČR - **#Strategie\_AV21** a Evropského projektu **MULTI-STR3AM H2020 BBI JU**.

Foto: Jitka Jezberová a BC AV ČR

#microalgae #chlorella

See translation




6 1 repost

Partner	Date	Online/Offline	Means of verification, References & Links					
IMIC		Online	<a href="https://www.linkedin.com/company/algatech-biotechnology/">https://www.linkedin.com/company/algatech-biotechnology/</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
<b>Persons reached</b> <i>(summing all views and estimated, given the number of viewers and page followers)</i>	3200	1600	370	200	175	50	50	5645

### 2.8.3. PHYCOM's LinkedIn profile


3 posts from PHY



**Phycom**  
Food and Beverage Manufacturing  
Veenendaal, Gelderland


👤 2K followers



**Phycom**  
2,023 followers  
11mo • 🌐

We were invited to Lisbon as part of the MultiStr3am Project. It was a great stay, and so nice to meet everyone in person again!



**MULTI-STR3AM**  
886 followers  
11mo • 🌐



The **MULTI-STR3AM** Consortium meeting has reunited all the project's partners in Lisbon, Portugal: [A4F-Algae for Future](#), [LNEG](#), [iBET - Instituto de Biologia Experimental e Tecnológica](#), [ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.](#), [Phycom](#), [ForFarmers](#), [IFF](#), [Upfield](#). This was an opportunity to visit several sites where the project is being developed:


- 👉 [ALGATEC Eco Business Park](#), where algae biomass is being produced for the project by [A4F-Algae for Future](#), is an entrepreneurial park that welcomes companies and projects in the algae and microalgae sector. <https://algatec.eu/en/>
- 👉 The **MULTI-STR3AM** biorefinery installed by [A4F-Algae for Future](#) was producing Spirulina extracts using filtration techniques during the visit. It also includes a demonstration unit for solvent extraction and drying.
- 👉 The Lisbon Experimental Unit of [A4F-Algae for Future](#), a GMO compliant unit with 10 m3 of capacity, to test and optimize biological and engineering solutions for the production of new microalgae strains and products. <https://lnkd.in/eTci36i>
- 👉 The **LNEG** Infrastructure for pilot scale testing in microalgae-based biorefineries with 2 m3 of capacity directed to biomass production and downstream processing including a solar dryer.
- 👉 The **LNEG** Infrastructure for lab scale testing in microalgae-based biorefineries within the Bioenergy and Biorefinery Unit, acting as the Microalgae Platform of the Biomass and Bioenergy Research Institute (BBRI). <https://lnkd.in/eQUvuZx3>

Follow the project's results in the **MULTI-STR3AM** website <https://lnkd.in/d6--wXyW>

[#multistr3am](#) [#project](#) [#consortiummeeting](#) [#microalgae](#) [#biorefinery](#) [#food](#) [#feed](#) [#fragrance](#)

[Circular Bio-based Europe Joint Undertaking \(CBE JU\)](#)







**Phycom**  
2,023 followers  
10mo • 🌐

Heerlijke recepten en genoeg inspiratie van Bas! 🍴

[See translation](#)



**MULTI-STR3AM**  
886 followers  
10mo • 🌐


Check this video from [Phycom](#) where the chef Bas Cloo talks about food transition and the interest of algae as a creative culinary ingredient. Bas explains how microalgae can be easily applied to food products as crackers, smoothies and for creating vegan mayonnaise.

**MULTI-STR3AM** project is working to bringing microalgae food products to the market, with the help of Phycom for the development of heterotrophy cultivation.

To know more about the project, visit the webpage <https://lnkd.in/d6--wXyW> [#multistr3am](#) [#project](#) [#microalgae](#) [#food](#) [#foodtransition](#) [#recipes](#) [#chef](#)

<https://lnkd.in/dNZ9wT9K>

[Circular Bio-based Europe Joint Undertaking \(CBE JU\)](#)



**Bas Cloo: Algae as creative culinary ingredient.**  
youtube.com

👍 11





**Phycom**  
2,023 followers  
5mo •

This is an excellent example of our international collaborations. 🥰  
Looking forward to our next endeavours together with [Richard Lhotský](#) and team!

**ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.**  
1,112 followers  
5mo •

**ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.** (IMIC) has successfully completed the commercialization process of its unique **#microalgae** strain **#Parachlorella**. The bred strain is yellow, so it can only be grown heterotrophically. What is important, **#lutein** is its only pigment and in quantities that make this alga competitive with plants from which lutein is now commercially extracted. The commercialisation partner is the Dutch company **Phycom**, which is one of the largest European producers of microalgae under strictly controlled heterotrophic cultivation conditions. The company grows 500 tonnes of microalgae per year, but Phycom plans to increase its production significantly. IMIC and Phycom are also partners in the European **MULTI-STR3AM** project. Thanks are also given to the **Transfer Center CAS** (Technology Transfer Centre of the Czech Academy of Sciences) for their assistance in the technology transfer.

Images: Richard Lhotský **ALGATECH Centre - Inst. Microbiol. Czech Acad. Sci.**, **Phycom**



Partner	Date	Online/Offline	Means of verification, References & Links
---------	------	----------------	---

PHY		Online	<a href="https://www.linkedin.com/company/phycom/">https://www.linkedin.com/company/phycom/</a>
-----	--	--------	---

	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
--	----------------------	----------	----------------	---------------	-------	-----------	-----------	-------

**Persons reached**

*(summing all views and estimated, given the number of viewers and page followers)*

	2220	2016	1050	165	195	210	225	6081
--	------	------	------	-----	-----	-----	-----	------

## 2.1. Trade Fair

### 2.8.4. VědaFest (Science Festival) - presentation of IMIC's research



#### Věda Fest 2023

Na téma "Kořeny vědy" se ve středu 21. června na Kulatáku v Praze uskutečnil již dvanáctý ročník Věda Festu. Zábavnou vědeckou laboratoř pod širým nebem navštívily tisíce školáků, studentů a dalších z řad široké veřejnosti. Expozici Centra ALGATEC-H navštívily zástupy vědychtivých zájemců, kteří si mohli o naší výzkumné práci nejen mnohé poslechnout, ale také si ji sami vyzkoušet a nakonec mohli ochutnat i pekařské výrobky s přidanou řasovou biomasou.





Partner	Date	Online/Offline	Means of verification, References & Links					
IMIC	21 June 2023	Offline	<a href="https://www.alga.cz/p-events.html">https://www.alga.cz/p-events.html</a>					
Persons reached	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
(estimated, given the number of attendees)			15000		25			15025

### 2.8.5. Výstava Země živitelka (Agricultural fair) - algal biotechnology presentation



#### Výstava Země živitelka

Ve spolupráci s Biologickým centrem AV ČR jsme v pátek prezentovali Mikrobiologický ústav AV ČR - Centrum Algotech Třeboň na 49. ročník výstavy Země živitelka. V zapůjčené mobilní laboratoři jsme návštěvníkům ukázali mikrořasy a sinice pod mikroskopem nebo způsob pěstování řas ve skleněných kultivačních válcích a různé druhy sušené biomasy. Závěmci si mohli vyzkoušet pipetování nebo ochutnat pečivo s Chlorellou. Protože expozice byla umístěná v dětském koutku výstaviště, ve vedlejším stánku bylo pro děti připraveno množství poutavých vědeckých pokusů a ukázek. Děkujeme za skvělou prezentaci centra Laboratoři buněčných cyklů řas a Biologickému centru AV ČR za možnost na výstavě být!





Partner	Date	Online/ Offline	Means of verification, References & Links					
IMIC	25 August 2023	Offline	<a href="https://www.alga.cz/p-events.html">https://www.alga.cz/p-events.html</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
<b>Persons reached</b> <i>(estimated, given the number of attendees)</i>			5000		20			5020

---





This project has received funding from the Bio-based Industries Joint Undertaking (JU) under the European Union’s Horizon 2020 research and innovation programme under grant agreement No 887227. The JU receives support from the European Union’s Horizon 2020 research and innovation programme and the Bio-based Industries Consortium.