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ALGAE4IBD –FROM NATURE TO BEDSIDE- ALGAE BASED BIO COMPOUND FOR PREVENTION AND TREATMENT OF INFLAMMATION, PAIN AND IBD

HORIZON 2020

ALGAE4IBD –FROM NATURE TO BEDSIDE- ALGAE BASED BIO COMPOUND FOR PREVENTION AND TREATMENT OF INFLAMMATION, PAIN AND IBD

Results

Project Information					
Algae4IBD Grant agreement ID: 101000501 Project website		Funded under SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy			
					Total cost € 7 499 517,25
			DOI 10.3030/101000501		EU contribution € 7 499 517,25
EC signature date 3 May 2021		Coordinated by MIGAL GALILEE RESEARCH INSTITUTE LTD			
Start date1 June 202131	End date 1 March 2026	✓ Israel			

CORDIS provides links to public deliverables and publications of HORIZON projects.

Links to deliverables and publications from FP7 projects, as well as links to some specific result types such as dataset and software, are dynamically retrieved from OpenAIRE

Deliverables

Websites, patent fillings, videos etc. (2)

Introductory Video with 3D Animation [2]

Introductory Video with 3D Animation to increase visibility of the project and raise awareness about the importance of the project

Algae4IBD Website

The Algae4IBD website will be setup by updated and developed throughout the entire project duration It is the main access point to key information about the project It will provide all relevant links to project tools and to all related initiatives being implemented under the H2020 programme

Documents, reports (3)

Communication Dissemination and Engagement Master Plan

Communication Dissemination and Engagement Master PlanIt outlines the communication and dissemination activities planned by the Algae4IBD partners for the whole project duration

The Algae4IBD strain collection [2]

The Algae4IBD strain collection We will make a complete list of all available algae strains from all partners taking into consideration overlapping strains between partners The strains available for the Algae4IBD investigation will be exposed on the website of the project

Communication Dissemination and Engagement Master Plan part 2 12

Communication Dissemination and Engagement Master Plan part2- It outlines the communication and dissemination activities planned by the Algae4IBD partners for the whole project duration.

Publications

Peer reviewed articles (10)

Structural Entities Associated with Different Lipid Phases of Plant Thylakoid Membranes—Selective Susceptibilities to Different Lipases and Proteases

Author(s): Ondřej Dlouhý, Václav Karlický, Uroš Javornik, Irena Kurasová, Ottó Zsiros, Primož Šket, Sai Divya Kanna, Kinga Böde, Kristýna Večeřová, Otmar Urban, Edward S. Gasanoff, Janez Plavec, Vladimír Špunda, Bettina Ughy, Győző Garab
Published in: Cells, Issue 11, 2022, Page(s) 2681, ISSN 2073-4409
Publisher: MDPI

DOI: 10.3390/cells11172681

Inflammatory bowel disease - A peek into the bacterial community shift and algae-based 'biotic' approach to combat the disease

Author(s): Viswanath Kiron, Maria Hayes and Dorit Avni. Published in: Trends in Food Science & Technology, Issue Volume 129, November 2022, 2022, Page(s) Pages 210-220, ISSN 0924-2244 Publisher: Elsevier BV DOI: 10.1016/j.tifs.2022.09.012

Regulation of Cholesterol Metabolism by Phytochemicals Derived from Algae and Edible Mushrooms in Non-Alcoholic Fatty Liver Disease

Author(s): Yahav Eilam, Noam Pintel, Hamdan Khatti, Natalie Shagug, Raged Taha and Dorit Avni. Published in: nt. J. Mol. Sci. 2022, 23(22), 13667, 2022, ISSN 1661-6596 Publisher: MDPI DOI: 10.3390/jims232213667

Reconsidering Dogmas about the Growth of Bacterial Populations 🖸

Author(s): Bettina Ughy, Sarolta Nagyapati, Dezi B. Lajko, Tamas Letoha, Adam Prohaszka, Dima Deeb, Andras Der, Aladar Pettko-Szandtner, Laszlo Szilak Published in: Cells, Issue 12, 2023, Page(s) 1430, ISSN 2073-4409 Publisher: MDPI DOI: 10.3390/cells12101430

Microalgae as Potential Sources of Bioactive Compounds for Functional Foods and Pharmaceuticals

Author(s): Mélanie Silva, Farah Kamberovic, Sisay Tesema Uota, Ismael-Mohammed Kovan, Carla S. B. Viegas, Dina C. Simes, Katkam N. Gangadhar, João Varela, and Luísa Barreira.

Published in: Bioactive Compounds in Algae, 2022, ISSN 2076-3417 Publisher: MDPi POI: 10.3390/app12125877

DOI: 10.3390/app12125877

The Ocean's Pharmacy: Health Discoveries in Marine Algae 🖸

Author(s): Melanie Silva et al Published in: Molecules, Issue 29 (8), 1900, 2024, ISSN 1420-3049 Publisher: Multidisciplinary Digital Publishing Institute (MDPI) DOI: 10.3390/molecules29081900

Long- and short-term acclimation of the photosynthetic apparatus to salinity in Chlamydomonas reinhardtii. The role of Stt7 protein kinase [2]

Author(s): Elsinraju Devadasu et al

Published in: Frontiers in Plant Science, Issue 14 - 2023, 2023, ISSN 1664-462X

Publisher: Frontiers Media S. A. **DOI:** 10.3389/fpls.2023.1051711

Shedding Light on the Hidden Benefit of Porphyridium cruentum Culture 🖸

Author(s): Davide Liberti, Paola Imbimbo, Enrica Giustino, Luigi D'Elia, Mélanie Silva, Luísa Barreira, Daria Maria Monti Published in: Antioxidants, Issue 12, 2023, Page(s) 337, ISSN 2076-3921 Publisher: MDPI DOI: 10.3390/antiox12020337

Microalgae—Sustainable Source for Alternative Proteins and Functional Ingredients Promoting Gut and Liver Health

Author(s): Yahav Eilam, Hamdan Khattib, Noam Pintel, Dorit Avni Published in: Global Challenges, Issue 7, 2023, ISSN 2056-6646 Publisher: Wiley DOI: 10.1002/gch2.202200177

Inside out Porphyridium cruentum: Beyond the ConventionalBiorefinery Concept 🖸

Author(s): Davide Liberti, Paola Imbimbo, Enrica Giustino, Luigi D'Elia, Giarita Ferraro, Angela Casillo, Anna Illiano, Gabriella Pinto, Maria Chiara Di Meo, Gerardo Alvarez-Rivera, Maria Michela Corsaro, Angela Amoresano, Armando Zarrelli, Elena Ibáñez, Antonello Merlino, and Daria Maria M
Published in: ACS Sustainable Chemistry & Engineering, Issue 11, 2022, Page(s) 381 - 389, ISSN 2168-0485
Publisher: American Chemical Society
DOI: 10.1021/acssuschemeng.2c05869

Conference proceedings (2)

ALGAE4IBD: Searching for IBD treatment in algal diversity **Author(s):** Benoit Quéguineur, Marine dehail, Jérémy Brébion, Franck Hennequart, Antonio Marzochella, Maria Hayes, Luísa Afonso Barreira, Pavel

Hrouzek, David Sedlák, and Dorit Avni. **Published in:** 2023 **Publisher:** Journal of applied pyhcology

Microalgae growth aimed at antinflammatory/antioxidant production: preliminary results of 100 strain screening

Author(s): Luigi Marra, et al Published in: not published, Issue not published, 2022, Page(s) not published Publisher: not published

Other (2)

Determination of antimicrobial activity of Water Seaweeds Extracts **Author(s):** Natalia Cmikova **Published in:** not applicable, Issue not applicable, 2022, Page(s) not applicable **Publisher:** not applicable

Antimicrobial activity of algae extracts **Author(s):** Natalie Cmikova et al **Published in:** not applicable, Issue not applicable, 2022, Page(s) not applicable **Publisher:** not applicable

Thesis and dissertations (5)

Estrazione di bioolecole ad attività antiossidante da biomassa microalgale Author(s): Mariateresa Arena Published in: 2022 Publisher: UNINA

Bioprospecting anti-inflammatory compounds in three diatoms, Cylindrotheca closterium, Cylindrotheca fusiformis and Nanofrustulum shiloi

Author(s): Britta Kautzmann Published in: not applicable, Issue not applicable, 2022, Page(s) not applicable Publisher: University of Algarve

Searching for Bioactive Compounds in the Microalgae Nanofrustulum shiloi **Author(s):** Ugonna Darlington Nwankpa **Published in:** NO JOURNAL TITLE, 2023 **Publisher:** not applicable Biological activity of extracts from algae and microalgae **Author(s):** Natália Čmiková **Published in:** 2022 **Publisher:** SUA Slovak university of agriculture in Nitra

Establishment of microalgae as functional food with antioxidant and anti-inflammatory properties **Author(s):** Mélanie Silva **Published in:** 2021 **Publisher:** Master's in Food Technology

Last update: 24 March 2025

Permalink: https://cordis.europa.eu/project/id/101000501/results

European Union, 2025