



Curriculum Vitae

Filipe Vinagre

I hold a Master's degree in Food Engineering from the Instituto Superior de Agronomia, University of Lisbon, and I am currently a research fellow at the LEAF – Linking Landscape, Environment, Agriculture, and Food research group. My research focuses on the development of innovative and sustainable food products, incorporating macro- and microalgae, alternative proteins, and bio-based ingredients. My expertise includes the extraction and characterization of bioactive compounds (e.g., hydrocolloids) using eco-friendly techniques such as microwave-assisted extraction (MAE), ultrasound-assisted extraction (UAE), and water bath extraction. Additionally, I have worked on the development of vegan emulsions and gel-based structures for food applications, including functional fillings and plant-based emulsions, assessing their nutritional, functional, and structural properties. I have contributed to projects such as: Pacto da Bioeconomia Azul - VERTICAL ALGAS - Sea2Fork (valorization of marine biomass for food applications). VIIA FOOD - MYA Protein Emulsions (development of protein-based emulsions for food applications). VIIA FOOD - Development of new food products with alternative proteins.

Identification

Personal identification

Full name
Filipe Vinagre
Gender
Male

Citation names

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Author identifiers

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Knowledge fields

Engineering and Technology - Other Engineering and Technologies - Food and Beverages

Languages

Language	Speaking	Reading	Writing	Listening	Peer-review
Portuguese (Mother tongue)					
English	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)
Italian	Elementary (A2)	Elementary (A2)	Elementary (A2)	Elementary (A2)	Elementary (A2)
Spanish; Castilian	Elementary (A2)	Elementary (A2)	Elementary (A2)	Elementary (A2)	Elementary (A2)

Education

	Degree	Classification
2024/03/01 - 2025/02/28 Attended	Online Training Course on "Competências Transversais em Investigação Científica: Alimentação, Inovação, Sustentabilidade" (Outros) Universidade de Lisboa Instituto Superior de Agronomia, Portugal	
2021/09/20 - 2023/12/19 Concluded	Engenharia Alimentar (Mestrado) Universidade de Lisboa Instituto Superior de Agronomia, Portugal <i>"Development of food products with impact on health, based on macroalgae from Portuguese coast "</i> <i>(THESIS/DISSERTATION)</i>	16.45
2018/09/17 - 2021/06/18 Concluded	Ciências de Engenharia - Engenharia Alimentar (Licenciatura) Universidade de Lisboa Instituto Superior de Agronomia, Portugal	

Affiliation

Science

	Category Host institution/organization	Employer
2024/03/15 - 2025/03/14	Researcher (Research) Universidade de Lisboa Instituto Superior de Agronomia, Portugal	Universidade de Lisboa Instituto Superior de Agronomia, Portugal

Projects

Grant

	Designation	Funders
2024/06 - 2025/03/14	VIIAFOOD - AltProtein Projet no. 37, Ref. C644929456-00000040 Research Fellow Universidade de Lisboa Instituto Superior de Agronomia, Portugal	Ongoing
2024/03/15 - 2025/03/14	MYA Protein Emulsions C644929456- 00000040 Research Fellow Universidade de Lisboa Centro de Investigação em Agronomia Alimentos Ambiente e Paisagem, Portugal	Ongoing
2023/02/07 - 2023/12/19	Pacto da Bioeconomia Azul - VERTICAL ALGAS - Sea2Fork C644915664-00000026 Master Student Fellow	Ongoing

Outputs

Publications

Book chapter	1	Vinagre, Filipe; Coelho, Pedro; Komora, Norton; Tasso, Ana; Centeno, Filipe; Xavier, Adriana ; Raymundo, Anabela. "Desenvolvimento Sustentável: Maioneses Vegan com Extratos Proteicos de Leveduras". In <i>TecnoAlimentar n° 41</i>, 23-29. Portugal: Engenho e Média, Lda, 2025. Published
Conference abstract	1	Almeida, Bernardo; Pisco, Érica; Vinagre, Filipe; Dias, Ricardo; Raymundo, Anabela; Freitas, Victor; Soares, Susana. Corresponding author: Freitas, Victor. "Potential of a novel yeast protein extract with multifaceted applications". Paper presented in <i>38th EFFoST International Conference, Bruges, 2024</i>. Published
Conference poster	1	Vinagre, Filipe; Nunes, M.C.; Raymundo, Anabela; Silva, J. M.. "Rheology properties of gelled foods based on Atlantic macroalgae extracts". Paper presented in <i>Ibereo, 2024</i>.

- 2 Vinagre, Filipe; Raymundo, Anabela; Nunes, M.C.. "As macroalgas como agentes gelificantes: aplicações ilimitadas". Paper presented in *Lisbon Food Affair*, 2024.
- 3 Vinagre, Filipe; Raymundo, Anabela; Nunes, M.C.. "Seaweed-derived polysaccharides: extraction methods and functional attributes for gastronomic applications". Paper presented in *AlgaEurope2023*, 2023.

Journal article	1	Vinagre, Filipe; Ferreira, Andreia S.; Nunes, Cláudia; Alegria, Maria J. A.; Nunes, M.C.; Raymundo, Anabela. "Characterization and gelling potential of macroalgae extracts obtained through eco-friendly technologies for food-grade gelled matrices". <i>Gels</i> (2025): Submitted • Open access
Thesis / Dissertation	1	"Development of food products with impact on health, based on macroalgae from Portuguese coast". Master, Universidade de Lisboa Instituto Superior de Agronomia, 2023.

Activities

Oral presentation

	Presentation title	Event name Host (Event location)
2025/02/12	Cookies with algae filling	Lisbon Food Affair 2025 AIP / FIL – Feira Internacional de Lisboa (Lisboa, Portugal)
2025/01/22	The potential of microalgae as a healthy and sustainable food ingredients	II InovaAlgae - Algas: A Nova Fronteira da Inovação na Biotecnologia Universidade Federal de São Paulo (UNIFESP) (São Paulo, Brazil)
2024/12/12	Combining Seaweeds and Microalgae: Assessing hydrothermal extracts of Chondrus Crispus for gelled food snacks enriched with Chlorella vulgaris	AlgaeEurope2024 European Algae Biomass Association (EABA) and DLG Benelux (Athens, Greece)
2024/10/11	Development and Characterization of Gel Matrices from Chondrus crispus Extracts for Food Applications	XVII Encontro de Química dos Alimentos Sociedade Portuguesa de Química (Vila Real, Portugal)
2024/02/06	Macroalgae as gelling agents: unlimited applications	Lisbon Food Affair 2024 (Lisboa, Poland)

Event organisation

	Event name Type of event (Role)	Institution / Organization
2024/09/04 - 2024/09/06	IBEREO IBEREO 2024 (The Iberian Meeting on Rheology) (2024/09/04 - 2024/09/06) Congress (Other)	Spanish Group of Rheology (GER) and the Portuguese Society of Rheology (SPR) (Lisboa, Portugal), Portugal
2024/06/03 - 2024/06/05	21st European Young Cereal Scientists and Technologists Workshop (2024/06/03 - 2024/06/05) Workshop (Member of the Organising Committee)	AACC International, United States

Event participation

	Activity description Type of event	Event name Institution / Organization
2024/09/27 - 2024/09/27	Future Foods: Healthy and Sustainable Exhibition	European Researchers' Night 2024 Universidade de Lisboa Centro de Investigação em Agronomia Alimentos Ambiente e Paisagem, Portugal
2024/07/08 - 2024/07/12	Sustainable and nutritious food of the future Exhibition	OCUPAÇÃO CIENTÍFICA DE JOVENS NAS FÉRIAS 2024 Universidade de Lisboa Centro de Investigação em Agronomia Alimentos Ambiente e Paisagem, Portugal
2023/10/06 - 2023/10/08	FOOD OF THE FUTURE: HEALTHY AND SUSTAINABLE - ISA Open Day Exhibition	Dia Aberto do ISA Universidade de Lisboa Instituto Superior de Agronomia, Portugal
2023/07/06 - 2023/07/08	Food of the Future: Healthy and Sustainable - ULisboa Summer 2023 Exhibition	Verão ULisboa Universidade de Lisboa Instituto Superior de Agronomia, Portugal