

20 24 | Relatório Anual



CERES

CHEMICAL ENGINEERING AND RENEWABLE
RESOURCES FOR SUSTAINABILITY

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1. Equipa

31/Dezembro/2024

Total membros da equipa: 229

A. Investigadores doutorados: 52

Nome	Categoria
Abel Gomes Martins Ferreira	Professor Auxiliar
Adriana Isabel Rodrigues González Cavaco	Professor Adjunto
Ana Filipa Avelar Borba	Investigador nível inicial
Ana Maria Antunes Dias	Investigadora Auxiliar
Ana Miguel Duarte Matos da Silva	Professor Auxiliar
António Alberto Santos Correia	Professor Auxiliar
António Jorge Rebelo Ferreira Guiomar	Investigador de carreira
Carla Maria Nobre Maleita	Investigador Auxiliar Convidado
Carlos Manuel Freire Cavaleiro	Professor Associado
Cristina Maria dos Santos Gaudêncio Baptista	Professor Auxiliar
Elisa Regina Figueiras Julião Inácio de Campos	Investigador nível inicial
Elisiário José Tavares da Silva	Professor Auxiliar
Eva Florbela Domingues Gomes	Investigador Auxiliar Convidado
Fernanda Maria Fernandes Roleira	Professor Auxiliar
Fernando Augusto Pinto Garcia	Aposentado
Fernando Pedro Martins Bernardo	Professor Auxiliar
Hermínio José Cipriano de Sousa	Professor Associado
Igor Reva	Investigador Auxiliar
João Manuel Ferreira Gomes	Investigador nível inicial
Jorge Fernando Brandão Pereira	Professor Associado
Jorge Manuel dos Santos Rocha	Professor Auxiliar
José António Ferreira Gamelas	Investigador nível inicial
Licínio Manuel Gando Azevedo Ferreira	Professor Auxiliar com agregação
Lígia Maria Ribeiro Pires Salgueiro da Silva Couto	Professor Catedrático
Lino de Oliveira Santos	Professor Auxiliar
Luís Carlos Henriques Alves	Investigador Auxiliar
Luisa Maria Rocha Durães	Professor Associado
Manorma Sharma	Investigador /Técnico Superior
Mara Elga Medeiros Braga	Investigador Auxiliar Convidado
Marco Paulo Seabra dos Reis	Professor Associado com Agregação
Marcos João Mota Leite Machado Mariz	Investigador - Outra
Margarida Maria João de Quina	Professor Associado com Agregação
Maria da Graça Bontempo Vaz Rasteiro	Aposentado
Maria da Graça Videira Sousa Carvalho	Professor Auxiliar
Maria Eugénia Soares Rodrigues Tavares de Pina	Aposentado
Maria Helena Mendes Gil	Aposentado
Maria Teresa Pereira Marques Batista	Aposentado
Mariana Emilia Ghica	Investigadora Auxiliar

Matheus Mendonça Pereira	Investigador nível inicial
Mohit Sharma	Investigador nível inicial
Nuno Manuel Clemente de Oliveira	Professor Auxiliar
Olga Maria Antunes Rodrigues Carvalho Cardoso	Professor Auxiliar
Patrícia de Jesus Pinto Alves	Investigador nível inicial
Patrícia Manuela Almeida Coimbra	Investigador nível inicial
Paula Cristina dos Santos Luxo Maia	Professor Auxiliar
Paulo Jorge Tavares Ferreira	Professor Associado com agregação
Pedro Manuel Tavares Lopes de Andrade Saraiva	Professor Catedrático
Pedro Nuno Neves Lopes Simões	Professor Auxiliar
Rosa Maria de Oliveira Quinta Ferreira	Aposentado
Rui Carlos Cardoso Martins	Professor Associado
Rui Estevão Silva de Jesus Moreira	Investigador nível inicial
Tiago Miguel Janeiro Rato	Investigador Auxiliar Convidado

B. Investigadores não doutorados: 86

Nome	Categoria
Alfredo Filipe Ferreira Araújo	Estudante PhD
Ana Beatriz Matias Teixeira	Estudante PhD
Ana Rita Pinto Gomes	Estudante PhD
Andreia Filipa Ferreira dos Santos	Estudante PhD
Andreia Patrícia Duarte Santos	Estudante PhD
Beatriz Sales Bandarra	Estudante PhD
Bruno José Alves Nunes Almeida	Estudante PhD
Carmem Natália de Pina Gonçalves	Estudante PhD
Carolina Fernandes Henriques	Estudante PhD
Catarina Santos Fernandes	Estudante PhD
Cátia Vanessa Teixeira Mendes	Estudante PhD
Cecilia Naveira Pazos	Estudante PhD
Claudia Lucas Duarte	Estudante PhD
Cláudio Manuel Rodrigues de Almeida	Estudante PhD
Cristiana Sofia Amaral Bento	Estudante PhD
Daniela Carla Moreira de Souza	Estudante PhD
Denner Déda Araújo Nunes	Estudante PhD
Dorin Miscenco	Estudante PhD
Duarte António Fernandes Santos	Estudante PhD
Eddyn Gabriel Solorzano Chavez	Estudante PhD
Eryk Carvalho Gomes Rodrigues Fernandes	Estudante PhD
Eugénio Salessu Vale Clemente	Estudante PhD
Fátima Isabel Antunes Nunes	Estudante PhD
Fernanda Rodrigues	Estudante PhD
Filipe André da Silva Carvalho	Estudante PhD
Flávia Helena de Moura Liborio	Estudante PhD
Francisco José Gomes Patrocínio	Estudante PhD
Gina Marta Ferraz Tavares	Estudante PhD

Giulia Clare de Carvalho Andrade Santos	Estudante PhD
Goncalo Venâncio Loureiro Pardal	Estudante PhD
Havila Maria Melo Souza Sales	Estudante PhD
Helena de Fátima Ribeiro	Estudante PhD
Helena Filipa Bigares Grangeia	Estudante PhD /Assistente convidado
Iago Rodrigues Blanco	Estudante PhD
Inara Facin Stefanello	Estudante PhD
Inês Patrícia Diegas Borges	Estudante PhD
Jean Carlos Bauer Vieira	Estudante PhD
Joana Margarida Monteiro Oliveira	Estudante PhD
João Carlos Saraiva Leocádio	Estudante PhD
João Luís Sousa Janela	Estudante PhD
João Pedro Branco de Carvalho Marques	Estudante PhD
João Pedro da Cruz Lincho	Estudante PhD
João Pedro Leonor Coutinho	Estudante PhD
João Pedro Vicente Pais	Estudante PhD
João Rafael Pedra Trindade Silva	Estudante PhD
João Roberto Fernandes Santos	Estudante PhD
Joaquim Paulo de Andrade Bernardo Cuvaca	Estudante PhD
Jonathan Simonace Cardoso	Estudante PhD
José Guilherme Estima dos Santos Paula	Estudante PhD
José Rafael Santos Botelho	Estudante PhD
Kuta Filipe Jones Luís	Estudante PhD
Laura Soraia Correia Rua Perpétuo	Estudante PhD
Leidy Constanza Mora Rusinque	Estudante PhD
Ligia Abreu Martins	Estudante PhD
Maria Inês da Cruz Roque	Estudante PhD
Maria João Marques Silva	Estudante PhD
Maria Teresa Cruz Móia Cernadas	Estudante PhD
Mariana Brandao Nogueira Alves	Estudante PhD
Marina Borges Guimarães	Estudante PhD
Marta Patrícia Carvalho dos Santos	Estudante PhD
Matheus Milani Pretto	Estudante PhD
Olívia Júlia Silva Gomes	Estudante PhD
Patrícia Mendes Reis	Estudante PhD
Patrícia Raquel da Silva Matos	Estudante PhD
Patrícia Vieira de Almeida	Estudante PhD
Paulo Jorge Teixeira da Rocha	Estudante PhD
Pedro Manuel Mesquita Pereira	Estudante PhD
Rafael Queiroz Martins Costa	Estudante PhD
Rafaela Pereira Rodrigues	Estudante PhD
Ricardo Oliveira de Almeida	Estudante PhD
Rita Joana de Almeida Bento Chim	Estudante PhD
Rodney Helder Miotti Junior	Estudante PhD
Rodrigo Gabriel Oliveira Paredes	Estudante PhD
Rúben Filipe do Bem Gariso	Estudante PhD

Rui Filipe Miranda da Silva	Estudante PhD
Rui Miguel Grunert da Fonseca	Estudante PhD
Sadjo Danfá	Estudante PhD
Sofia Aníbal Vaz	Estudante PhD
Sofia Daniela Roque Marceneiro	Estudante PhD
Solange Sá Magalhães	Estudante PhD
Telma Elisa Esteves Vaz	Estudante PhD
Teresa Vitória Barreto Chichorro Cabral Correia	Estudante PhD
Thércia Rocha Balbino	Estudante PhD
Tiago Daniel Henriques Ferreira	Estudante PhD
Vasco António Lopes Alves	Estudante PhD
Wagner Almeida Mónico Conceição	Estudante PhD

C. Colaboradores: 90

Nome	Categoria
Abhishek Dutta	Professor Associado
Agnieszka Justyna Kaczor	Investigador/Professor Associado
Alexandre Miguel Santos Jorge	Investigador
Aline Lemos Arin	Sector Publico
Alyne Cristina Lamy Mendes	Sector Privado
Ana Cristina Rebola Pereira	Investigador /Setor Publico
Ana Patrícia dos Santos Marques	Investigador /Técnico Superior
Ana Rey Barroso	Investigador
Ana Sofia dos Santos Fajardo	Investigador Auxiliar
Anabela Gonçalves Nogueira	Sector Privado
Anália Georgina Vital do Carmo	Sector Publico/ Investigador / Médico
André Fernandes Rossi	Investigador
André Moreni Lopes	Professor
Andrea Gómez-Zavaglia	Investigador
Artur Manuel Bordalo Machado Figueirinha	Professor Auxiliar
Barbara Michela Giuliano	Investigador
Beatriz Merillas Valero	Investigador
Belmiro Pereira Mota Duarte	Professor Adjunto
Carla Isabel Pires Cotas	Investigador
Carla Lopes Varela	Investigador
Carlos Alberto García González	Professor Associado
Carolina dos Santos Vertis	Investigador
Carolina Tavares Pinheiro	Investigador /Sector Privado
Cassamo Ussemame Mussagy	Professor Associado
Cezar Augusto Bizzi	Professor
Clarissa Piccinin Frizzo	Professor Associado
Corina Estefania Berrocal Rojas	Estudante PhD
Deividson Silveira dos Santos	Investigador
Diana Sousa Costa	Investigador
Dina Augusta Simões Marques	Sector Privado

Eduardo Luís Trincão da Conceição	Investigador
Elisabete Simões Antunes	Sector Privado
Eugeniu Strelet	Investigador
Ewa Stanek	Estudante PhD
Fabiane Oliveira Farias	Professor
Fernando Masarin	Professor
Filipa Alexandra André Vicente	Investigador
Francisco Miguel Madeira Cardoso	Investigador
Glaucia Regina Medeiros Burin	Investigador
Hajar Maleki	Professor Auxiliar
Hugo Ferreira Gonçalves	Investigador
Ilídio Joaquim Sobreira Correia	Professor Catedrático
Isabel Maria Almeida Fonseca	Aposentado
Ivo Manuel Mira Abreu Rodrigues	Estudante PhD /Professor Adjunto
Joana Maria Rodrigues Curto	Professor Auxiliar
Jorge Filipe Pavanito Rocha	Investigador
José Manuel Matias Vieira de Sousa	Professor Adjunto
Kleper de Oliveira Rocha	Investigador
Krzysztof Czamara	Investigador
Luciano de Andrade Gomes	Professor
Luís Manuel Lopes Rodrigues da Silva	Investigador Coordenador (carreira)
Luis Miguel Marques Pedroso	Sector Privado
Luís Miguel Moura Neves de Castro	Professor Coordenador
Magnus Norgren	Professor
Marcos Rogério Mafra	Professor Associado
Maria Fernanda Xavier Pinto Medeiros	Investigador
Maria Irene Goncalves Lobo	Sector Privado
Maria João da Anunciação Moreira	Professor Adjunto
Maria João Capelo Quadrado	Sector Privado /Docente / Medico
Maria José Capelas de Moura	Professor Adjunto
Maria Manuel Balseiro Vidal	Professor Adjunto
Mariana Soraia Tomás Amândio	Investigador
Mariana Cordeiro Oliveira Ferreira	Estudante
Marta Helena Fernandes Henriques	Professor Adjunto
Masaki Kitazume	Professor
Micaela Alexandra da Rocha Soares	Sector Privado
Mónica da Rocha Zuzarte	Professor Auxiliar
Natalia Hachlica	Estudante PhD
Natércia Cristina Pires Fernandes	Investigador
Nathalia Vieira Porphirio Veríssimo	Professor
Nuno Alexandre Amaral Matos da Silva	Investigador /Sector Privado
Paula Cristina Nunes Ferreira	Investigadora Auxiliar
Paulo Alexandre Neves Dias	Sector Privado
Paulo Alexandre Quadros de Oliveira e Santos	Sector Privado
Pedro Gonçalo Banza Gonçalves	Investigador
Pedro Manuel Gens de Azevedo de Matos Faia	Professor Auxiliar

Pedro Manuel Maximiano Santos	Investigador
Pérola de Oliveira Magalhães	Professor
Ranyere Lucena de Souza	Professor
Raquel Jesus Costa	Investigador
Ricardo Alberto Reis Silva Rendall	Sector Privado
Rui André Gonçalves Cardoso	Investigador
Rui César Costa da Silva	Sector Privado
Sandrine Katy Matias da Ressurreição	Estudante PhD
Sérgio Manuel Castro Silva	Sector privado
Sofia Silva Sousa Braz	Investigador
Tatiana Maria de Souza Moreira	Investigador
Valéria de Carvalho Santos Ebinuma	Professor Assistente
Wardleison Martins Moreira	Professor Adjunto
Zuzanna Magdalena Majka	Estudante PhD

D. Técnicos: 1

Nome	Categoria
Maria João Travassos Garcia Bastos	Técnico superior

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2.1. Produção Científica

A. Edição de Livros / Proceeding / eBook

1	Correia, António Alberto, Joaquim Tinoco, Paulo V. Oliveira, Alexandre Pinto, António Cristóvão, Sara Rios, Joel Silva, António Gomes Correia, Rui Tomásio (Eds.), “Seminário Geotecnia em Obras Marítimas – Aprender com a Experiência - ebook Apresentações” (2024), 2 e 3 de dezembro 2024, APDL, Porto de Leixões, Portugal. ISBN: 978-989-35507-2-4 DOI: 10.5281/zenodo.14662024	
2	Martins, R., Durães, L. et all., Winter School on Contaminants of Emerging Concern (CECs) and Disinfection By-Products (DBPs): Occurrence, Impact and Elimination – 25 and 26 November 2024, World of Wine, Vila Nova de Gaia, Portugal https://mar2protect.eu/wp-content/uploads/2024/11/Winter-School_Book-of-Abstracts-2.pdf	
3	Viana da Fonseca, A. and Ferreira, C. (Eds.), António Alberto Correia, Castorina Vieira, Graça Lopes, Fausto Molina-Gómez, Mafalda Lopes Laranjo, Nuno Raposo, Paulo Coelho, Rafaela Cardoso, Sara Rios (Associate Eds.), “Proceedings of the 8th International Symposium on Deformation Characteristics of Geomaterials”, E3S Web of Conferences, Volume 544 (2024), September 3-6, 2023, Porto, Portugal. https://www.e3s-conferences.org/articles/e3sconf/abs/2024/74/contents/contents.html	

B. Livros

1	Vicente, Aníbal Domingos Joaquim Delgado, Licínio Manuel G.A. Ferreira, Marcos S. Reis, Margarida Quina, 2024. “O ciclo dos Óleos lubrificantes”, SOGILUB. https://fliphtml5.com/sdslg/rarj/Sogilub/	
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C. Capítulos de Livros

1	Cardoso, Jonathan S., Zhi Lin, Paulo Brito, Licínio Gando-Ferreira, 2024. Post-treatment modification using deep eutectic solvent in PES/SAPO-34 membranes for gas separation, in Proceedings of the 3rd International Conference on Water Energy Food and Sustainability (ICOWEFS 2023), Springer, pg. 259-269. 10.1007/978-3-031-48532-9_24	
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2	Clare, G., Simões, P.N., Durães, L., “Encapsulation of Water-Soluble Bioactive Ingredients in Starch Aerogels for Nutraceutical Delivery”, in Basic Protocols in Encapsulation of Food Ingredients, Methods and Protocols in Food Science, 2nd Ed., A. Gomez-Zavaglia (Ed.), Humana & Springer Science+Business Media, LLC, NY, 2025, p.69-75. ISBN 978-1-0716-4147-7; ISBN 978-1-0716-4148-4 (eBook). https://doi.org/10.1007/978-1-0716-4148-4;	
3	Gariso, R., Rato, T.J., Quina, M.J., Ferreira, L., Reis, M.S., 2024. Predicting the coagulation potential of waste lubricant oil (WLO) using multiblock machine learning of NIR and MIR spectroscopy, in Computer laded Chemical Engineering, Springer, Vol. 53, pg. 1843-18484 10.1016/B978-0-443-28824-1.50308-2.	
4	Gomes, Olívia, Anabela Leitão, Hermínio C. de Sousa, Mara Braga, Licínio Gando-Ferreira, 2024. Extraction of Moringa oleifera leaves to obtain antioxidants and vitamins, in Proceedings of the 3rd International Conference on Water Energy Food and Sustainability (ICOWEFS 2023), Springer, pg. 125-133 10.1007/978-3-031-48532-9_24	
5	Martins, LA; Correia, AAS; Oliveira, PJV; Lemos, LJL, Indirect verification of suction in cyclic UCS tests of a chemically stabilized soil,PROCEEDINGS OF THE 8TH INTERNATIONAL SYMPOSIUM ON DEFORMATION CHARACTERISTICS OF GEOMATERIALS, IS-PORTO 2023,E3S Web of Conferences,8th International Symposium on Deformation Characteristics of Geomaterials (IS-Porto),SEP 03-06, 2023,Porto, PORTUGAL,Int Soc Soil Mech & Geotechn Engrn, Tech Comm Lab Stress Strain Strength Testing Geomaterials,Lab Stress Strength Testing Geomaterials,VALE,2024,544. 11016,10.1051/e3sconf/202454411016	
6	Patrocínio, F.J.G., R.N. Dias, H.M.D. Carabineiro, H.A. Matos, N.M.C. Oliveira, "Design of Large-scale Industrial Water Networks Based on Multiple Objective Mathematical Programming", Computer Aided Chemical Engineering,53, pp. 1441–1446 (2024), DOI:10.1016/B978-0-443-28824-1.50241-6	
7	Pereira PM, Martins RC, Ferreira BS, Bernardo FP. Reduction of an aerated fermenter CFD model using proper orthogonal decomposition. In: Manenti F, Reklaitis GV, eds. ESCAPE-34, Computer-Aided Chemical Engineering. Vol 53. Amsterdam: Elsevier; 2024:859-864.	

8	Pessoa, A.; Pereira, J.F.B.; Hasmann, F. A. "Cell Disruption", Purification of Biotechnological Products, Pessoa Jr, A., Kilikian, B. V. & Long, P.. (eds.), CRC Press, 2024, 1st Edition, pp. 133-156. ISBN 9781032726823. DOI: 10.1201/9781032726823-3.	
9	Reis, M.S., E. Strelet, I. Castillo, R. Rendall, Y. Peng, S.-T. Chin, "A complete pipeline for the fusion of multiple heterogeneous redundant sources", Computer-Aided Chemical Engineering. (2024), 53(3), p. 1873-1878. DOI: doi.org/10.1016/B978-0-443-28824-1.50313-6	
10	Reis, Patrícia, Matias, Carlos M., Alves, João L., Quinta-Ferreira, M. Emília, Gando-Ferreira, Licínio M., Quinta-Ferreira, Rosa M., 2024. Winery wastewater characterization and treatment by Fenton's process, in Sustainable Development with Renewable Energy The 10th International Conference on Energy and Environmental Research-ICEER 2023, Springer, pg. 359-368, ISBN 978-303154393-7. 10.1007/978-3-031-54394-4_28	
11	Romano, N., Tavares, G., Passot, S., Fonseca, F., Campoy, S., Guerrero, M., Alves, P., Coimbra, P., Gomez-Zavaglia, A., & Simões, P. N. (2024). Scale-Up of Layer-by-Layer Microencapsulation and Freeze-Drying of Probiotic Bacteria. In Basic Protocols in Encapsulation of Food Ingredients (pp. 57–67). Springer US. https://doi.org/10.1007/978-1-0716-4148-4_7	
12	Santos, AD; Quinta-Ferreira, RM; Castro, LM, "Energy Production from Agro-Wastes: Comparative Studies for Wine Vinasse and Pig Slurry, SUSTAINABLE DEVELOPMENT WITH RENEWABLE ENERGY, ICEER 2023, Environmental Science and Engineering, 10th International Conference on Energy and Environment Research (ICEER), OCT 07-09, 2023, Madrid, SPAIN,, 2024,, 65, 76. 10.1007/978-3-031-54394-4_6	
13	Santos, P., Ungureanu, V., Durães, L., "Circular Strategies in Lightweight Steel-Framed (LSF) Buildings and the Research Project Tyre4BuildIns", in Creating a Roadmap towards Circularity in the Built Environment, Bragança, L., Cvetkovska, M., Askar, R., Ungureanu, V. (Eds.), of Springer Tracts in Civil Engineering, Springer, 2024, p. 83-93. ISBN 978-3-031-45979-5 https://doi.org/10.1007/978-3-031-45980-1_8	

14	Zuzarte, M; Salgueiro, L; Canhoto, J,Steingroewer, J, “Plant Tissue Culture: Industrial Relevance and Future Directions”, PLANTS AS FACTORIES FOR BIOPRODUCTION: Recent Developments and Applications, ed Steingroewer J 2024, Elsevier,188, 1, 15 10.1007/10_2024_254	
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D. Artigos em revistas de circulação internacional com arbitragem científica

1	Afonso, Sandra, Juliana Nogueira, Carlos Cavaleiro, Fernanda Ferreira, Matilde Moreira-Santos, “Lethal toxicity of Thymus mastichina (mastic thyme) and Helichrysum italicum (curry plant) essential oils to non-target aquatic organisms: tools to screen environmental effects?”, WATER, 202416, 137. 2024 10.3390/w16010137	Publicado
2	Almeida, CMR; Merillas, B; Pontinha, ADR, “Trends on Aerogel-Based Biosensors for Medical Applications: An Overview”, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 2024, 25, 2, 1309 10.3390/ijms25021309	Publicado
3	Almeida, MR; Nunes, JCF; Pereira, MM; Bento, HBS; Pedrolli, DB; Santos-Ebinuma, VC; Neves, MC; Freire, MG; Tavares, APM, “Supported ionic liquids to purify microbial L-Asparaginase”, BIOCHEMICAL ENGINEERING JOURNAL, 2024, 211, 109445 10.1016/j.bej.2024.109445	Publicado
4	Almeida, PV; Costa, JCRS; Gando-Ferreira, LM; Quina, MJ, “Effect of drying and milling industrial potato peel for recovering phenolic and antioxidant compounds: Optimization process and economic evaluation”, JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, 2024,1 40, 385, 397 10.1016/j.jiec.2024.05.062	Publicado
5	Almeida, PV; Gando-Ferreira, LM; Quina, MJ, “Tomato Residue Management from a Biorefinery Perspective and towards a Circular Economy”, FOODS, 2024, 13, 12, 1873 10.3390/foods13121873	Publicado
6	Almeida, R; Ramos, A; Håkonsen, V; Maloney, T; Gamelas, J, “Functionalized cellulose nanofiber films as potential substitutes for Japanese paper”, CARBOHYDRATE POLYMER TECHNOLOGIES AND APPLICATIONS, 2024, 8, 100573 10.1016/j.carpta.2024.100573	Publicado

7	Almeida, RO; Ramos, A; Kimiaei, E; Österberg, M; Maloney, TC; Gamelas, JAF, "Improvement of the properties of nanocellulose suspensions and films by the presence of residual lignin", CELLULOSE, 2024, 31, 18, 10951, 10967 10.1007/s10570-024-06222-y	Publicado
8	Alves, AR; Simoes, MF; Simoes, S; Gomes, J, "A review on the scale-up of high-shear wet granulation processes and the impact of process parameters", PARTICUOLOGY, 2024, 92, 180,1 95 10.1016/j.partic.2024.05.007	Publicado
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F. Patentes

F1. Patentes Publicadas

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4	Formulação de tratamento de superfície de substratos celulósicos à base de celulose bacteriana António Ferreira Gamelas José, Jorge Tavares Ferreira Paulo, Filipa Martins, Lourenço Ana, De Pascoal Neto Carlos, Miguel Portela Da Gama Francisco, Octávio De Queirós Dourado Fernando Application PT118262A https://patents.google.com/patent/PT118262A/pt?oq=118262+	2024-04-26 Publication of PT118262A
5	Método de produção de folhas de tecido não tecido Jorge Tavares Ferreira Paulo, Da Silva Santos Anabela, Christopher Maloney Thaddeus, Paulo Mendes De Sousa Antonio, Cristina De Oliveira Rodrigues Pinto Paula Application PT118407A https://patents.google.com/patent/PT118407A/pt?oq=118407+	2024-06-19 Publication of PT118407A

F2. Pedidos de Patente

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G. Modelos Desenvolvidos

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H. Protótipos Laboratoriais

1	Testes laboratoriais do TimeUp – um dispositivo de diagnóstico para infeções urinárias
2	Sensor de detecção de microplásticos baseado em EIS (Electrical Impedance Spectroscopy)

2.2. Congressos, Conferências e outros Eventos

A. Participações em Congressos e Conferências Internacionais e Nacionais Com Artigos / Abstracts de Comunicações Científicas

1	Almeida, C.M.R., Oliveira, C., Costa, T., Pina, J., Magalhães, J.M.S.C., Barroso, M.F., Valente, A.J.M., Durães, L., "Paper-supporting ratiometric sensor probes based on lanthanide complexes for biogenic amines detection", in <i>Book of Abstracts of the 10th Iberian Meeting on Colloids and Interfaces – RICI X</i> , Vitorino, C., Nunes, S., Cova, T. (Eds.) University of Coimbra, Coimbra, June 23-26, 2024 , p.119.	Oral
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23	Barroca Dias, J.; Stagel, K.; Paltram, R.; Halbwirth, H.; Pereira, J.F.B.; Bica-Schoreder, K. “Enhanced Extraction of Cannabinoids from Cannabis sativa Using Pressurized Hot Water and Deep Eutectic Solvents as Additives”. In: 7 th Iberoamerican Meeting on Ionic Liquids (IMIL 2024), Coimbra, Portugal, 20 a 22 de novembro de 2024.	Oral

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27	Blanco, I. R.; Oliveira, R. P. S.; Pereira, M. M.. "Molecular assessment of pediocin-like bacteriocins as antifungal agents targeting secreted aspartic protease (SAP) of <i>Candida albicans</i> based on computational analyses". Paper presented in 11th International Meeting on Antimicrobial Peptides, 2024.	Poster
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30	Blanco, I. R.; Oliveira, R. P. S.; Pereira, M. M.. "Identification of Antimicrobial Peptides within β -Lactoglobulin through Molecular Docking and MM/GBSA". Paper presented in CERES Talks: Students Edition, 2024	Poster
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38	Campos EJ, Francisco V, Ferreira L, Quadrado MJ, Gil J. NanoLensTech: A modified-contact lens with nanotechnology for the treatment of keratoconus. Startup Capital Summit, May 10, 2024, Coimbra, Portugal	Oral
39	Cardoso, Olga, Sara Carolina Henriques, Sónia Pedreiro, Fernando Ramos, Maria Manuel Donato. One-health approach: copper and antibiotic resistances in <i>Escherichia coli</i> from portuguese piglets faeces. 10th International Human Microbiome Consortium Congress Junho 2024, Roma Itália	Oral
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202	Santos, Marta, Marcos Mariz, Igor Tiago, Susana Alarico, Paula Ferreira, "Development of a colorimetric bacterial detection device for urinary infections", XVIII Simposio Latinoamericano de Polimeros, XV Congreso Iberoamericano de Polimeros and XI Coloquio de Macromoleculas (SLAP2024), December 2-6, Puerto Varas, Chile 2024	Poster

203	Sansana, J., R. Rendall, I. Castillo, L. Chiang, M.S. Reis, <i>Optimizing Industrial Systems with Hybrid Information Quality</i> , “ENBIS24 – 24 th Annual ENBIS Conference”, realizado em Leuven (Bélgica), entre 15 e 19 de setembro de 2024.	Oral
204	Sharma, Manorma, Madalena Marques, Maria Manuel Donato, Olga Cardoso, Licínio M. Gando-Ferreira, “Photoluminescent lignin nanoparticles synthesized from Kraft lignin for bioimaging application”, Biopol 2024 - 9th International Conference on Bio-based and Biodegradable Polymers, (Coimbra, Portugal, 22-24 Julho, 2024)	Poster
205	Sharma, Mohit, Belinda Soares, Luisa Durães, Paulo J.T. Ferreira, “Influence of cellulose microfibrils on pulp characteristics in the presence of process waters”, Iberoamerican Congress of Pulp and Paper Research – CIADICYP 2024 TS1 1.17, (Concepción, Chile, Novembro 2024) https://ciadicyp-2024.udec.cl/?q=node/40	Poster
206	Sharma, Mohit, Ana Teodora Silva, Belinda Soares, Luisa Durães, Paulo J. T. Ferreira, “Effect of industrial white water on performance of microfibrillated cellulose to improve paper strength”, in <i>Recent Advances in Cellulose Nanotechnology Research Conference - Production, characterization and applications</i> , RISE PFI - Research Institutes of Sweden, Trondheim, Norway, September 11-12, 2024 . https://rise-pfi.no/en/we-offer/conference/	Poster
207	Sharma, Mohit, Ana Silva, Belinda Soares, Luisa Durães, Paulo J. T. Ferreira., “Effect of lignin-containing cellulose microfibrils on strength properties of packaging grade paper”, Biopol 2024 - 9th International Conference on Bio-based and Biodegradable Polymers, P13,2, pp. 250, (Coimbra, Portugal, 22-24 Julho, 2024) https://biopol.csidiomas.ua.es/2024/index https://biopol.csidiomas.ua.es/2024/scientific-program.pdf	Poster
208	Silva, M.; Chichorro, T.; Alves, P.; Gomes, J.; Ferreira, P.; Martins, R.C. Polyaniline as o potential material for the removal of contaminants of emerging concern from wastewater. Winter School on <i>Contaminants of Emerging Concern (CECs) and Disinfection By-Products (DBPs): Occurrence, Impact and Elimination</i> – 25 and 26 November 2024, World of Wine, Vila Nova de Gaia, Portugal	Poster
209	Silva, M.J.; Chichorro, T.; Alves, R.; Gomes, J.; Ferreira, P.; Martins, R.C.; Alves, P. Application of polyaniline as na adsorbent and photocatalyst for the removal of parabens from wastewater. 6 th CIPOA – Iberoamerican Conference on Advanced Oxidation Technologies, 7 – 11 October 2024, Florianópolis, Brazil	Poster

210	Sousa, H.C. de, A.F. Kanaan, A.M.A. Dias, <i>Semi-interpenetrating chitosan/ionic liquid polymer networks as electro-responsive biomaterials for iontophoretic applications</i> , XVth SPLC-CRS Conference on Controlled Drug Delivery, 14-16 th February, Lisbon, Portugal, 2024	Poster
211	Syed, U.T., P. Coimbra, B. Alke, S. Mondal, J. Crespo, C. Brazinha, A.M.A. Dias, H.C. de Sousa, <i>Membranes to emulsions and back to membranes: Greening ionic liquids-in-water emulsions by membrane emulsification towards membranes for CO₂ capture</i> , 7 th Edition of the Iberoamerican Meeting on Ionic Liquids, IMIL2024, 20-22 November, Coimbra, Portugal, 2024	Poster
212	Tavares, G., Alves, P., Rodrigues, J., & Simões, P. Polymer-liposome complexes based on pH-responsive poly(acrylic acid) and soybean lecithin. MAD-Nano24: Madeira International Conference on Emerging Trends and Future of Nanomaterials for Human Health. 2024, November 28-30	Oral
213	Varela, C., C. Fernandes, S. Magalhães, B. Medronho, L. Alves, M. Rasteiro. (OC-SII) "Using natural, greener, biodegradable and recyclable solvents to enhance lignin extraction from Acacia wood", International Congress on Natural Products Research, Cracóvia, Polónia, 13-17 julho 2024	Oral
214	Varela, C., "Lignin for Hair: Adding value to lignin from biomass for hair care applications", Cosmética de base natural: Workshop Lignin for Hair, Coimbra, Portugal, 16 outubro 2024	Oral
215	Varela, C., C. Fernandes, S. Magalhães, B. Medronho, D. Cabaça, L. Alves, M. Rasteiro (P 170), "From Nature to Hair: Using Lignin from Acacia Wood to Produce Hair Conditioners", International Congress on Natural Products Research, Cracóvia, Polónia, 13-17 julho 2024	Poster
216	Vaz, S.; Martins, R.C.; Pinheiro, H.M.; Monteiro, L.P. Microalgae cultivation as a tertiary treatment step in urban wastewater treatment plants. ALGAEUROPE2024, 10-13 December, Athens, Greece	Poster
217	Vaz, T.; Domingues, S.; Quina, M.J.; Martins, R.C.; Gomes, J. Evaluation of ozonation performance in removing phenolic compounds to enhance anaerobic digestion of olive mill wastewater. International Ozone Association Conference, 27-29 November 2024, Porto, Portugal	Poster + Oral

218	Vaz, T.; Domingues, S.; Martins, R.C.; Gomes, J.; Quina, M.J. Study of pre-treatments to maximize methane production by anaerobic digestion from wastewater from the olive oil industry. Winter School on <i>Contaminants of Emerging Concern (CECs) and Disinfection By-Products (DBPs): Occurrence, Impact and Elimination</i> – 25 and 26 November 2024, World of Wine, Vila Nova de Gaia, Portugal	Poster
219	Vaz, T., M.J. Quina, J. Gomes, R. C. Martins, Energy production and water reuse through the integration olive mill wastewater treatment processes, CERES'talks, Students Edition, DEQ/UC, 15 maio (2024)	Poster
220	Veríssimo, N.V.P.; Mussagy, C.U.; Bento, H.B.S.; Pereira, J.F.B.; Santos-Ebinuma, V.C. "The stabilization of biopharmaceuticals with ionic liquids and deep eutectic solvents". <i>I COBBIND – I Congresso Brasileiro de Biotecnologia Industrial</i> , Florianópolis, SC, Brasil, 25 a 28 de Agosto de 2024.	Poster
221	Vieira, .C.B., A.M.A. Dias, H.C. de Sousa, C.P. Frizzo, J.F.B. Pereira, <i>Chitosan functionalized with ionic liquids for the adsorption of Acid Orange 7 dye from aqueous solutions</i> , 7 th Edition of the Iberoamerican Meeting on Ionic Liquids, IMIL2024, 20-22 November, Coimbra, Portugal, 2024	Poster
222	Villarroel-Ortega, J., J.; Correia, A.A.S.; Venda Oliveira, P.J.; Lemos, L.J.L. 2024. "Effect of cyclic loading stress level and amplitude on the behaviour of a soft soil chemically stabilized unreinforced and fibre-reinforced", Proceedings of the XVIII European Conference on Soil Mechanics and Geotechnical Engineering, 26-30 August, Lisbon, Portugal, p. 3422-3427. 10.1201/9781003431749-676.	Poster

B. Organizacao de Seminarios, Congressos e Conferencias

1	Workshop "Medicinal Plants: the other side of drugs" no âmbito do XIII In4Med Coimbra's Medical and Scientific Congress, Coimbra, Portugal, 6 abril 2024.	Comissão Organizadora
2	'Workshop Economia Circular no setor agroindustrial', no âmbito do projeto Cheers4EU, 25 de setembro de 2024, Dep. Eng.ª Civil, FCTUC, Coimbra, Portugal	Comissão Organizadora

3	"Seminário Geotecnia em Obras Marítimas – Aprender com a Experiência ", 2 e 3 de dezembro de 2024, APDL, Porto de Leixões, Portugal	Comissão Organizadora
4	Seminário “Metagenómica no apoio ao diagnóstico e à decisão Clínica: uma mais valia quando tudo o resto falha?” , apresentado pelo Doutor João Paulo Gomes, do INSA, no âmbito do Mestrado em Análises Clínicas, 28 Maio 2024.	Comissão Organizadora
5	Annual Meeting SNS 45 – Ensino, investigação e prática profissional, Coimbra, 5 de Junho de 2024	Comissão Organizadora
6	Seminário "Portugal-Brasil: Convergência Regulatória – Caminhos e perspectivas para harmonização dos princípios e normas de Vigilância Sanitária", Coimbra, 10-12 de Abril de 2024	Comissão Organizadora
7	Exposição “De onde vêm os medicamentos? 12 exemplos de plantas bem-sucedidas”, Avenida das Tílias do Jardim Botânico da Universidade de Coimbra, Portugal, 23 de abril a 23 de setembro 2024.	Comissão Organizadora Comissão Coordenadora
8	Computational and Applied Statistics (CAS2024) Workshop at the 24th International Conference on Computational Science and Its Applications (ICCSA 2024), Hanoi (Vietname), 1-4 de Julho de 2024	Programme Committee
9	Chemistry and Physics at Low Temperatures 2024 (CPLT), Hilton Niseko Village, Hokkaido, Japan. July 6-11, 2024. Website of the meeting: http://www.lowtem.hokudai.ac.jp/astro/CPLT2024/index.html Online List of Committee Members: http://www.lowtem.hokudai.ac.jp/astro/CPLT2024/committee.html	International Steering Committee
10	First Review Meeting of the project "H2OforAll": Innovative Integrated Tools and Technologies to Protect and Treat Drinking Water from Disinfection Byproducts (DBPs). Proposal ID: 101081963. European Commission Call: HORIZON-CL6-2022-ZEROPOLLUTION-01. Clean environment and zero pollution. Organized by the Department of Chemical Engineering (Uni. Coimbra). The meeting took place at two locations: July 18, 2024: Faculty of Sciences and Technology, University of Coimbra,	Comissão Organizadora

	Coimbra, Portugal; July 19, 2024: Águas de Coimbra headquarters (Coimbra), and Arzila (Coimbra district), for practical demonstration of water quality monitoring sensors. https://h2oforall.eu/2024/10/08/consortium-meeting-in-coimbra/	
11	H2OforAll Workshop – Prevention measures and management of DBPs (Disinfection by products), Online, March 21, 2024. e , December 10, 2024.	Comissão Organizadora
12	H2OforAll 2nd Webinar - "DBPs – Monitoring, Treatment, and Regulation" – 25th March 2024	Comissão Organizadora
13	H2OforAll 3rd Webinar - natural organic matter as disinfection by-product precursors – 4th June 2024	Comissão Organizadora
14	H2OforAll 4th Webinar – Drinking Water Systems Modelling and Digitalization – 3rd December 2024 (online)	Comissão Organizadora
15	ZeroPollution4Water Cluster - WG6 & WG4 internal meeting: Finding Gaps and Synergies in Decision Making Tools, Online, September 24, 2024.	Comissão Organizadora
16	ZeroPollution4Water Cluster - WG6 & WG4 internal meeting: Treatment technologies in groundwater and drinking water, Online, July 8, 2024.	Comissão Organizadora
17	ZeroPollution4Water Cluster - EU Green Week Partner Event – “Public Debate and Raising Awareness on DBPs”, Online, June 11, 2024.	Comissão Organizadora
18	ZeroPollution4Water Cluster - WG6 & WG4 internal meeting: Monitoring Technologies in Groundwater and Drinking Water, Online, May 22, 2024.	Comissão Organizadora
19	ZeroPollution4Water Cluster - WG6 & WG4 internal meeting: Technological Perspective - Analytics Challenges in Groundwater and Drinking Water, Online, March 4, 2024.	Comissão Organizadora
20	IOA-EA3G2024 Conference ; International ozone association Europe Africa Asia Australia Group International Conference, 27-29 November 2024, Porto, Portugal	Comissão Organizadora

21	Winter School on Contaminants of Emerging Concern (CECs) and Disinfection By-Products (DBPs): Occurrence, Impact and Elimination, University of Porto & University of Coimbra & Nova University of Lisbon & Fundación Empresa Universidad Gallega & Sociedade Portuguesa de Inovação & Sociedade Portuguesa de Química, World of Wine, Vila Nova de Gaia, Portugal, November 25-26, 2024. https://mar2protect.eu/winter-school-2024/	Comissão Organizadora
22	1st Winter School on Ionic Liquids, Coimbra, Portugal, 18 e 19 de novembro de 2024.	Comissão Organizadora
23	“7th Edition of the Iberoamerican Meeting on Ionic Liquids”, Coimbra, Portugal, 20-22 de novembro de 2024	Comissão Organizadora
24	3º Encontro Ibérico de Fluidos Supercríticos / 3er Encuentro Ibérico de Fluidos Supercríticos – EIFS 2024, Flucomp & University of Vigo, Ourense, Spain, July 22-24, 2024. https://flucomp.es/eventos/eifs2024-ourense#Comites	Comissão Organizadora Comissão Científica
25	RoundTable Discussion – Technologies for DPBs; Analytical Techniques; Public Engagement; Legislation; Preventive Measures; How to Increase the Acceptance of Tap Water, Winter School on Contaminants of Emerging Concern (CECs) and Disinfection By-Products (DBPs): Occurrence, Impact and Elimination, University of Porto & University of Coimbra & Nova University of Lisbon & Fundación Empresa Universidad Gallega & Sociedade Portuguesa de Inovação & Sociedade Portuguesa de Química, World of Wine, Vila Nova de Gaia, Portugal, November 25-26, 2024.	<u>Discussion Facilitators</u>
26	EU Green Week – Public Debate and Raising Awareness on DBPs, 11th June 2024.	Comissão Organizadora
27	1st New Challenges for Innovation and Entrepreneurship, Coimbra, Portugal, 15 de março de 2024.	Comissão Organizadora
28	X Congresso Iberoamericano de Ciências Farmacêuticas: Área temática Bromatologia, Farmacognosia e Nutracêuticos	Comissão Científica
29	4º BioIberoamerica - Ibero-American Congress on Biotechnology Monterrey, Mexico, 3 a 6 de setembro de 2024.	Comissão Científica

30	International Conference on Sustainable Energy & Environment ICSEE-24 Bhopal, India 23 a 25 de fevereiro de 2024.	Comissão Científica
31	“CeresT@lks”, Coimbra, Portugal, 2024.	Comissão Organizadora
32	Workshop “Cosmética de base natural: Workshop Lignin for Hair”, Departamento de Engenharia Química, Portugal, 16 de outubro 2024.	Organização do workshop
33	Workshop do projecto Lignin for Hair, Outubro 2024, Coimbra	Organização do workshop
34	Congresso IBERHEO 2024, Setembro 2024, Lisboa	Comissão Científica
35	BIOPOL 2024, 9th International Conference on Bio-based and Biodegradable Polymers, 22-24 Julho	Comissão Organizadora
36	Iberoamerican Congress of Pulp and Paper Research – CIADICYP 2024 (Concepción, Chile, November 2024) URL: https://ciadicyp-2024.udec.cl/?q=node/8	Comissão Científica
37	6th CIPOA- Iberoamerican Conference on Advanced Oxidation Technologies (CIPOA), Florianópolis, October 7-11, 2024	Comissão Científica
38	XXth International Symposium “Priorities of Chemistry for a Sustainable Development - PRIOCHEM XX (outros membros: Fierascu, R.C., Apetrei, C., Averous, L., et al.. vd. webpage), National Institute for Research & Development in Chemistry and Petrochemistry – ICECHIM, Bucharest, October 16-18, 2024. https://icechim.ro/en/institute/scientific-events/priochem-en/	Comissão Científica

39	Training school on Eco-AERoGELS - Technical, commercial and societal innovations on aerogels towards circular economy (IG18125) (outros membros: A.C. Boccia, T. Budtova, S. Calligaris, C. Erkey, M. Ficke, M. Gallo, A.I. Mejuto, L. Manzocco, M. Neagu, Z. Novak, P. Paraskevopoulou, S. Planzzotta, R. Simon, I. Smirnova, Z. Tomović, S. Zhao), University of Udine & COST Innovation Grant 18125 ECO-AEROGELS, Udine, May 29-30, 2024. https://cost-aerogels.eu/training-school-on-eco-aerogels/	Comissão Científica
C. Organizacao de Outros Eventos		
1	Atividade pre-NEI2024 no openday “MedPlantsQuiz: Como podem as plantas contribuir para produzirmos novos medicamentos?”, online, 23 setembro.	Comissão Organizadora
2	Sessão Técnica ‘Terratest – The Geopier alternative’, 02 de outubro de 2024, LNEC, Lisboa, Portugal	Comissão Organizadora
3	Eye health (April 16, 2024), Escola Secundária Lima-de-Faria (Cantanhede)	Comissão Organizadora
4	CEReS in European Researchers' Night 2024 (September 27), Coimbra	Comissão Organizadora
5	H2OforAll 4th General Assembly, IVL Swedish Environmental Research Institute, Stockholm, Sweden November 21-22, 2024.	Comissão Organizadora
6	H2OforAll Consortium and Review Meeting, University of Coimbra & Águas de Coimbra, Coimbra, Portugal, July 18-19, 2024.	Comissão Organizadora
7	H2OforAll 3rd General Assembly, Online, June 5, 2024.	Comissão Organizadora
D. Outras ações públicas (Noticias em jornais, TV, ... / Programa de TV, radio, ... / Podcasts / Participação em ações de divulgação, Workshop, feiras, mostras de Ciência, Symposium, ...		
1	Noite Europeia dos Investigadores (NEI) - Coimbra, 27.09.2024 Durães, I., “SPIONs – Nanopartículas Superparamagnéticas de Óxido de Ferro”, Durães, I., “Como remover contaminantes da água?”, Maleita, C. “Como uma invasora pode salvar o planeta?”	Mostra de Ciência

	Maleita, C. “Como podem as plantas contribuir para produzirmos novos medicamentos?” Pereira, J.F.B., “Recursos Renováveis para a Sustentabilidade”	
2	Encontro Ciência 2024, FCT, 3-5 July 2024, Porto. e-poster available at: https://app.encontrociencia.pt/exhibitor/23399	Mostra de Ciência
3	Semana da Ciência da UC, realizada para alunos da Escola Secundária Adolfo Portela - Águeda. 18-22 Março 2024.	Divulgação/Formação
4	Semana Aberta 2024 Universidade de Coimbra, Coimbra, para estudantes do ensino secundário e sociedade em geral., 2 a 4 de Maio, 2024.	Divulgação/Formação
5	Universidade de Verão "Produção demonstração prática do processo de produção de folhas de papel e a medição de de papéis com propriedades hidrofóbicas" que incluiu uma suas propriedades de barreira à água através do teste Cobb. 23 de Julho 2024 "Produção de papéis com propriedades hidrofóbicas" que incluiu uma demonstração prática do processo de produção de folhas de papel e a medição de suas propriedades de barreira à água através do teste Cobb. 23 de Julho 2024 “Biotecnologia para a revolução têxtil”, Universidade de Coimbra, Coimbra, Portugal, 23 de julho de 2024	Divulgação/Formação
6	Lab FCTUC na tua Escola Os mais abundantes, todos diferentes, todos nemátodes!’, in the schools Elementary and High School Dr. Daniel de Matos (28 May, Vila Nova de Poiares) and José Saraiva Elementary School (7 March, Leiria). (https://www.uc.pt/fctuc/programas-para-escolas/labfctuc_na-tua-escola/)	Divulgação/Formação

7	Visita à Escola Secundária de Arganil , Ação de aprendizagem/divulgação “Aerogel de sílica: isolamento na Terra e no Espaço” no âmbito do programa “Engenheiras por um dia” (3x100 min), 48 estudantes das turmas de Físico-Química dos 10º e 11º anos do ensino secundário, 22 de março de 2024	Divulgação/Formação
8	Visita ao Agrupamento de Escolas de Pombal , Ação de aprendizagem/divulgação “Aerogel de sílica: isolamento na Terra e no Espaço” (2 h), 66 estudantes, 21 do ensino profissional e 45 do 12º ano – turmas de Química de 10º ano, 01 de março de 2024	Divulgação/Formação
9	Um dia na Engenharia da UC , 11 de Dezembro de 2024	Divulgação/Formação
10	Cornea and Nanotechnology, 8th edition of the UC Science Week (May 7, 2024), Escola Secundária de São Martinho do Porto, São Martinho do Porto	Divulgação
11	Cornea and Nanotechnology, 7th edition of the UC Science Week (March 20, 2024), Escola Secundária Adolfo Portela, Águeda	Divulgação
12	“A (FF)UC no estudo e prevenção das Infecções Sexualmente Transmissíveis.” Dia Aberto da FFUC. 10 maio 2024.	Divulgação
13	Ceballos-Burgos, F.; Castro, S.; da Silva, E.B.; Fonseca, L.; Esteves, I.; Maleita, C. (2024). Nemátodes: bioindicadores da qualidade do solo. AGROTEC, 53, 18-21.	Divulgação

14	Rusique, L.; Inácio, M.L.; Maleita, C. (2024). O nematode das galhas radiculares do arroz: um risco iminente para a produção nacional. Vida Rural, março, 66-70.	Divulgação
15	Maleita, C.; Braga, M.E.M. (2024). Conservação pós-colheita: abordagens ecológicas para uma produção sustentável. AGROTEC, 53, 32-35.	Divulgação
16	Pereira, J.F.B., Participação no BIOMEET 2024, Centro de Congressos do Taguspark, Oeiras, Portugal, 30 de setembro e 1 de outubro de 2024.	Divulgação
17	Pereira, J.F.B., Participação no SCS24 - Startup Capital Summit 2024, Coimbra, Portugal, 10 de maio de 2024.	Divulgação
18	Presentation of invited lecture, at the Institute of Physics, Polish Academy of Sciences (IF PAS), Warsaw. The lecture was open for all undergraduate and graduate students, as well as for the scientific staff of the IF PAS and other institutions in Warsaw. The lecture took place on October 26, 2024. https://www.eq.uc.pt/~reva/relatorio2/Invitation-to-Poland-Reva.pdf	Divulgação
19	Indústria e Ambiente – Revista de Informação Técnica e Científica, Investigação conclui que ribeiras urbanas estão poluídas por fármacos, 17.dez.2024. https://www.industriaeambiente.pt/noticias/investigacao-conclui-ribeiras-urbanas-poluidas-farmacos/	Divulgação
20	Ana Miguel Matos. “O Farmacêutico no Rastreio das ISTs”. Palestra conferida no âmbito do encontro da Academia Lusófona de Ciências Farmacêuticas 2024. (17 julho) Coimbra.	Divulgação

21	Varela, C. “Plantas na saúde” no âmbito do Ciclo de Workshops “As Plantas e a Saúde Mental”, Hospital Sobral Cid, Coimbra, 17 janeiro 2024.	Workshop
22	Varela, C. “Plantas e a Arte” no âmbito do Ciclo de Workshops “As Plantas e a Saúde Mental”, Hospital Sobral Cid, Coimbra, 14 fevereiro 2024.	Workshop
23	Varela, C. “Medicinal Plants: the other side of drugs” no âmbito do XIII In4Med Coimbra’s Medical and Scientific Congress, Coimbra, Portugal, 6 abril 2024.	Workshop
24	Varela, C. “Plantas e Infusões” no âmbito do Ciclo de Workshops “As Plantas e a Saúde Mental”, Hospital Sobral Cid, Coimbra, 24 abril 2024.	Workshop
25	Varela, C. “Plantas aromáticas na culinária” no âmbito do Ciclo de Workshops “As Plantas e a Saúde Mental”, Hospital Sobral Cid, Coimbra, 22 maio 2024.	Workshop
26	Varela, C. “Cosmética de base natural: Workshop Lignin for Hair”, Departamento de Engenharia Química, Portugal, 16 de outubro 2024.	Workshop
27	Varela, C. “Cosmética de base natural: Workshop Lignin for Hair”, Coimbra, Portugal, 16 de outubro 2024	Workshop

28	Salgueiro, L. Oração de Sapiência da Universidade de Coimbra	
29	Science for Industry (S4i), the largest International meeting point for Deep Science. Organized by Universidad Autónoma de Madrid and BeAble Capital. This event reunited the most disruptive research projects in the leading industrial sectors while connecting universities, research centers, leading companies, and Science Equity funds from all over the world. This meeting was held on the 18th and 19th of January 2024 at Madrid, Spain Projects selected to be presented at this event: Ineye (certificate as attachment TTE5_ineye in folder 6.1) TimeUp (certificate as attachment TTE5_timeup in folder 6.1)	Meeting
30	StartUp Capital Summit (#SCS24), the largest national event on venture capital, innovation, entrepreneurship, and technology transfer organized by the University of Coimbra (UC), in partnership with Coimbra City Council (CMC) and Instituto Pedro Nunes (IPN). #SSC24 brought together companies, entrepreneurs, investors, researchers, teachers, and students in a program of more than 40 panels, pitches, talks, and workshops, with over 1100 attending participants. This event took place on May 10th 2024, in Coimbra, Portugal.	Evento
31	Coimbra Invest Summit (Coimbra IS'24) is one of the largest events in the country dedicated to companies and investors. The event took place from 9 to 11 October and aimed to position Coimbra on the radar of investors and brought together the entrepreneurial and innovative ecosystem that exists in the municipality, with conferences, a showcase of companies (where TIMEUP was included) and institutions and the creation of a networking space between entrepreneurs, investors, companies and national and international institutions.	Evento
32	V Compounding Event - (International Pharmaceutical Students' Federation) (IPSF), organizado pelo Núcleo de Estudantes de Farmácia da Associação Académica de Coimbra (NEF/AAC), sobre o tema "Medicamentos Manipulados em Oncologia", realizado no dia 23 de abril de 2024.	Evento

33	Tomé, A., Wildner, I., Fontes, A.P. & Cavaco, A. “Efeito de intervenção interdisciplinar com reeducação postural e bio-ativadores na escoliose idiopática, avaliado por posturografia – um estudo de caso” (ID 16). XIX Seminário de Desenvolvimento Motor da Criança, que decorreu na Escola Superior de Educação de Lisboa do Politécnico de Lisboa nos dias 15 e 16 de novembro de 2024.	Seminário
34	Cavaleiro, C., “Medicamentos de terapia avançada: os desafios e oportunidades para regularização desses produtos” Sessão do Seminário "Portugal-Brasil: Convergência Regulatória – Caminhos e perspectivas para harmonização dos princípios e normas de Vigilância Sanitária", Coimbra, 12 de Abril de 2024	Seminário
35	Pereira, J.F.B., “Sustainable strategies for the recovery and stabilization of biological-based products” Seminário nos Programas de Pós-Graduação em Ciências Farmacêuticas e Ciências da Saúde, Universidade de Brasília, Brasília, DF, Brasil, 28 de outubro de 2024.	Seminário
36	Cavaleiro, C., “Careers: What to do now?, PharmCareer 2024 (NEF-AAC), Coimbra, 5 de janeiro 2024	Mesa Redonda
37	Pereira, J.F.B., “Desenvolvimento de Carreira” V ENEBT - Encontro Nacional de Estudantes de Biotecnologia, Covilhã, Portugal. 1 de novembro de 2024.	Mesa Redonda
38	Pereira, J.F.B., “Da Produção à ação das vacinas” 8ª Ed. Semana da Ciência UC, Escola Secundária de São Martinho do Porto, Portugal, 9 de maio de 2024	Palestra
39	Pereira, J.F.B., “Da produção à ação das vacinas” 8ª Semana da Ciência UC, São Martinho do Porto, Portugal, 9 de maio de 2024. (Palestra / 2 h)	Palestra
40	Ana Miguel Matos. “Diferentes Valências e Interpretação de Resultados”. Curso de Introdução às Análises Clínicas. Complexo ICBAS/FFUP. 22 e 23 de maio 2024.	Curso
41	Pereira, J.F.B. e Forte, M.B.S. “Purificação e Imobilização de Enzimas” Curso de Especialização Avançada, Faculdade de Engenharia de Alimentos da Universidade de Campinas, Brasil, abril de 2024. (Curso / 30 h)	Curso

42	Pereira, J.F.B., “Purificação de Biomoléculas” Universidade Federal de Brasília, Brasília, RS, Brasil, 23 e 24 de outubro de 2024.	Mini-Curso
43	Martins, R. https://open.spotify.com/episode/04OURArmMqVCyqo6Z4d5Zm	Podcast
44	‘90 Segundos de Ciência’ Investigadores da Universidade de Coimbra estão a desenvolver sacos capazes de proteger as raízes de plantas contra nemátodos parasitas, 10 July, https://www.rtp.pt/play/p2936/e780754/90-segundos-ciencia. Gosta do cheiro a carro novo? Esse cheiro provém de compostos químicos que prejudiciais e, por esse motivo, investigadores da Universidade de Coimbra estão a estudar soluções para os eliminar, 19 November, https://www.rtp.pt/play/p2936/e808539/90-segundos-ciencia. Investigadores da Universidade de Coimbra estão a estudar soluções para tratamento e recuperação dos efluentes da indústria do azeite. https://www.rtp.pt/play/p2936/e806889/90-segundos-ciencia.	Programa Rádio
45	Agenda Microeletrónica (https://drive.google.com/file/d/16fCSkg6imoHM3HFV4j4bFCRMEKdSIPUE/view?usp=sharing)	Vídeo da UC
46	Investigadores da Universidade de Coimbra desenvolvem nova geração de produtos biológicos para culturas agrícolas, 19 June 2024 https://noticias.uc.pt/artigos/investigadores-da-universidade-de-coimbra-desenvolvem-nova-geracao-de-produtos-biologicos-para-culturas-agricolas/ (com clipping para mais 26 websites)	Vídeo da UC
47	Investigação, Estudo da Universidade de Coimbra conclui que ribeiras urbanas estão poluídas por fármacos, 18.nov.2024. https://noticias.uc.pt/artigos/estudo-da-universidade-de-coimbra-conclui-que-ribeiras-urbanas-estao-poluidas-por-farmacos/	Vídeo da UC

48	Jornal da Tarde, Estudo da Universidade de Coimbra conclui que ribeiras urbanas estão poluídas por fármacos, 26.nov.2024. https://www.rtp.pt/noticias/pais/estudo-da-universidade-de-coimbra-conclui-que-ribeiras-urbanas-estao-poluidas-por-farmacos_v1617590	Noticias
49	RTP Notícias, Ribeiras urbanas poluídas com grande diversidade de medicamentos, 26.nov.2024. https://www.rtp.pt/noticias/pais/ribeiras-urbanas-poluidas-com-grande-diversidade-de-medicamentos_a1617529	Noticias
50	42 press releases in journal and online including “Jornal Expresso” and 1 interview on Antena 2 on 18/03/2024 no programa “Antena 2 Ciência”. https://www.rtp.pt/play/p783/e754985/antena2-ciencia	Noticias
51	Jornal da Madeira, Estudo revela que ribeiras urbanas estão poluídas por fármacos, 18.nov.2024. https://www.jm-madeira.pt/nacional/estudo-revela-que-ribeiras-urbanas-estao-poluidas-por-farmacos-CO17085456	Noticias
52	Público - Saúde, Estudo revela que ribeiras urbanas estão poluídas por fármacos, 18.nov.2024. https://www.publico.pt/2024/11/18/azul/noticia/estudo-revela-ribeiras-urbanas-estao-poluidas-farmacos-2112329	Noticias

2.3. Formação Avançada

A. Provas de Agregação

1	Jorge Fernando Brandão Pereira Lição/Seminário - “Sistemas de duas Fases Aquosas: Ferramentas Versáteis e Avançadas na Engenharia Biotecnológica” Relatório - "Separação e Purificação de Bioprodutos" 14.Outubro.2024
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2	Rui Carlos Cardoso Martins Título da Lição/Seminário - “Processos Avançados de Oxidação para a Degradação de Contaminantes de Preocupação Emergente” Relatório - "Processos Avançados de Oxidação para Tratamento de Água" 15.Outubro.2024
B. Teses de Doutorado	
1	Balbino, Thércia Rocha “Avaliação de estratégias para extração e purificação de carotenoides produzidos por <i>Pichia kudriavzevii</i> a partir de subproduto do cultivo do arroz”, Doutorado no Programa de Pós-Graduação em Biotecnologia Industrial. Instituição Conferente de Grau: Universidade de São Paulo (USP), Escola de Engenharia de Lorena (EEL) – Brasil, Instituição de Acolhimento: EEL-USP (Brasil) CERES, FCTUC (Portugal) Orientações: Sílvio S. da Silva Jorge F. B. Pereira 4 de Outubro de 2024
2	Bandarra, Beatriz Sales “Studies on Ecotoxicity Assessment (Hazard Property HP 14) Frameworks and Safe Geotechnical Applications of Municipal Solid Waste Incineration Bottom Ash”, Universidade de Coimbra Orientação: Margarida Quina Rui Martins 7 de junho de 2024
3	Chavez, Eddyn Gabriel Solorzano “Pré-tratamento de subprodutos de cana-de-açúcar utilizando-se hidrogenosulfato de trietilamônio: avaliação da recuperação das fraçõesde lignina e celulose”, Doutorado no Programa de Pós-Graduação em Alimentos, Nutrição e Engenharia de Alimentos. Instituição Conferente de Grau: Universidade Estadual Paulista (UNESP) – Brasil. Instituição de Acolhimento: UNESP (Brasil) CERES, FCTUC (Portugal) Orientadores: Fernando Masarin Jorge F. B. Pereira 21 Março de 2024

4	Erragued, Rim “Production of bioactive molecules concentrated extract from “oleaeuropaea” leaf by using membrane separation technology”, Universidade de Coimbra/University of Sfax (em regime de cotutela), Sfax, Orientação: Licinio Ferreira 12 de fevereiro de 2024
5	Guimarães, Marina Borges “Estudo sobre a L-Asparaginase de <i>Peniillium sizovae</i>, um fungo isolado do cerrado”, Doutoramento no Programa de Pós-Graduação em Ciências da Saúde. Instituição Conferente de Grau: Universidade de Brasília (UnB), Faculdade de Ciências da Saúde – Brasil. Instituição de Acolhimento: FCS-UnB (Brasil) CERES, FCTUC (Portugal) Orientação: Pérola Oliveira Magalhães Jorge F. B. Pereira 26 de Novembro de 2024
6	Khalighi, Saman "Biodiesel production: determination of thermodynamic properties and monitoring of the transesterification reaction", Programa Doutoral em Engenharia Química. Faculdade de Ciências e Tecnologia da Universidade de Coimbra Orientação: Abel Ferreira Jaime Santos do DEEC 18 de Setembro 2024
7	Matos, Patrícia Raquel da Silva “<i>Acanthus mollis</i> as source of new health care products”, Programa Doutoral em Ciências Farmacêuticas - Farmacognosia e Fitoquímica. Faculdade de Farmácia da Universidade de Coimbra Orientação: Artur Figueirinha Maria Teresa Batista 17 de dezembro de 2024
8	Perpétuo, Laura Soraia Correia Rua "Potential value of <i>Solanum</i> spp. (<i>Solanum linnaeanum</i> and <i>S. sisymbriifolium</i>) for sustainable agriculture", Programa Doutoral em Biociências, Especialização em Ecologia, Faculdade de Universidade de Coimbra Orientação: Isabel Luci Mata da Conceição Maria Teresa Batista Maria José Moreno da Cunha

	3 de dezembro de 2024
9	Pires, Lucas de Oliveira “Planning, Synthesis and Evaluation of Biological Properties of Cinnamic Amides and its Prenylated Derivatives”. Programa de Pós-graduação em Química da Universidade Federal Rural do Rio de Janeiro, do PROGRAMA INSTITUCIONAL DE DOUTORADO SANDUÍCHE NO EXTERIOR - EDITAL Nº 10/2022 da CAPES, realização do doutorado sanduíche na Universidade de Coimbra (Portugal). Orientação: Elisiário José Tavares da Silva 21 de Outubro de 2024
10	Sansana, Joel Filipe Rodrigues “Hybrid Modeling for Multimode Process Analysis and Long-Term Degradation Management”. Faculdade de Ciências e Tecnologia da Universidade de Coimbra. Orientação: Marco Reis 19 de janeiro de 2024.
11	Seghir, Salem “Development of predictive models for flocculation processes (Application in papermaking)”, Mohamed Khider University – Biskra, Argélia, Doctor 3rd Cycle in Chemical Processes. Orientação: Graça Rasteiro 2024.
12	Santos, P. M. M. “Molecular simulation of nanocomposites based on Silica Aerogels and Polymers or Carbon Nanotubes”. University of Coimbra. Orientação: Pedro Nuno N. L. Simões
13	Strelet, Eugeniu “A Multipropose Framework for Heterogeneous Sensor Data Fusion in Industrial Environments”. Faculdade de Ciências e Tecnologia da Universidade de Coimbra. Orientação: Marco Reis 23 de Abril 2024.

C. Teses de Mestrado

Defendidas **2** teses de Mestrado Integrado em Engenharia Química em **2024**

Defendidas **36** teses de Mestrado em Engenharia Química em **2024**

2.4. Redes de Colaborações Científica

A. Redes Internacionais

1	TC211 - Ground Improvement (International Society for Soil Mechanics and Geotechnical Engineering)
2	TC101- Laboratory Stress Strain Strength Testing of Geomaterials (International Society for Soil Mechanics and Geotechnical Engineering)
3	CEN TC189 “Geosynthetics”
4	Deep Mixing “International collaborative study on Deep Mixing”
5	United Nations Global Compact Network Portugal
6	RIADICYP - Rede Iberoamericana de Docencia e Investigación en Celulosa Y Papel.
7	ENBIS – European Network for Industrial Statistics
8	Paul Ehrlich MedChem Euro-PhD Network
9	WP EFCE Characterisation of Particulate Sytsems - CHoPS.
10	WP EFCE Mechanics of Particulate Solids – WP MPS
11	ZeroPollution4Water Cluster led by Water Europe and REA: This cluster aims to boost the synergies between the twin topics HORIZON-CL6-2022-ZEROPOLLUTION-01-01 and HORIZON-CL6-2022-ZEROPOLLUTION-01-04 in contributing to clean water and zero pollution demonstrations in a climate change context https://zeropollution4water.eu/

12	Cluster ICT4Water, através do projeto H2OforAll, desde Maio 2024 (http://www.ict4water.eu/ ; https://h2oforall.eu/clustering-activities/)
13	Rede Crusoe – Conferencia de Rectores de las Universidades del Suroeste Europeo https://redcrusoe.com/cooperacao-academica
14	International School of Advanced Oxidation Processes
15	CIEMAT-PSA, Espanha
16	ICECHIM - The National Institute for Research & Develeopment in Chemistry and Petrochemistry, Bucharest, Romania
17	NIMP - National Institute of Materials Physics, Bucharest-Magurele, Romania
18	Pacto Português dos Plásticos (https://www.pactoplasticos.pt/)

B. Colaborações Universidades Internacionais

1	Max Planck Institute for extraterrestrial Physics - Garching-Germany	Alemanha
2	Karlsruhe Institute of Technology	Alemanha
3	Univeristy of Ulm	Alemanha
4	Technical University of Hamburg	Alemanha
5	Universidade Agostinho Neto	Angola
6	Centro de Investigación y Desarrollo en Criotecnología de Alimentos - Consejo Nacional de Investigaciones Científicas y Técnicas (CIDCA-CONICET), Universidad Nacional de La Plata, La Plata	Argentina
7	Royal Melbourne Institute of Technology (RMIT) University, School of Science, College of Science, Engineering and Health, Melbourne	Austrália

8	Technical University of Viena	Austria
9	Universidade de Brasília (UnB), Faculdade de Ciências da Saúde	Brasil
10	Federal University of Rio Grande do Norte	Brasil
11	University of Campinas, UNICAMP	Brasil
12	São Paulo State University	Brasil
13	Universidade Federal Rural do Rio de Janeiro	Brasil
14	UNESP, Faculdade de Ciências Farmacêuticas - Câmpus de Araraquara	Brasil
15	Universidade do Federal Vale de São Francisco (UniVASF), Petrolina	Brasil
16	Universidade Federal de Sergipe (UFS), Departamento de Química, São Cristóvão	Brasil
17	Universidade Estadual Paulista Júlio de Mesquita Filho, Campus de Botucatu	Brasil
18	Universidade de São Paulo (USP), Faculdade de Ciências Farmacêuticas	Brasil
19	Universidade Federal da Bahia (UFBA), Salvador, Bahia	Brasil
20	Universidade Federal do Paraná (UFPR), Departamento de Engenharia Química	Brasil
21	Universidade Federal de Santa Maria (UFSM), Departamento de Química	Brasil
22	Universidade de Tiradentes, Instituto de Tecnologia e Pesquisa, Aracaju	Brasil
23	Universidade Federal do Tocantins (UFT), Campus de Palmas	Brasil
24	Pontificia Universidad Catolica de Valparaíso (PUCV), Escuela de Agronomina, Valparaíso	Chile
25	CYENS Centre of Excellence	Chipre

26	University Zagreb	Croácia
27	National Food Institute, Technical University of Denmark, 2800 Kongens Lyngby	Dinamarca
28	National Institute of Chemistry, Ljubljana	Eslovénia
29	University of Maribor	Eslovénia
30	Universidad Complutense de Madrid	Espanha
31	University Autónoma de Madrid, Department of Chemical Engineering	Espanha
32	Universidade de Santiago de Compostela	Espanha
33	Universidade de Valladolid	Espanha
34	University of Granada	Espanha
35	University of Rovira i Virgili	Espanha
36	University of Barcelona	Espanha
37	Plataforma Solar de Almeria	Espanha
38	Universidade de Sevilha	Espanha
39	Universidad de Vigo, Departamento de Biología Vexetal e Ciencia do Solo Facultades de Biología e Ciencias do Mar, Vigo	Espanha
40	University of Vigo	Espanha
41	Universidade do País Basco, Leioa	Espanha
42	Universitat Politècnica de Catalunya, Barcelona	Espanha
43	Institute for Sustainable Agriculture-CSIC, Córdoba	Espanha

44	Consejo Superior de Investigaciones Científicas (ICMAB-CSIC)	Espanha
45	Universidade Politécnica de Madrid - ETS de Ingeniería de Montes, Forestal y del Medio Natural	Espanha
46	University of A Coruna, Faculty of Sciences and Center for Advanced Scientific Research (CICA)	Espanha
47	Beckman Research Institute of the City of Hope, Duarte, CA., Department of Surgical Research, Division of Surgery	EUA
48	Auburn University (Department of Physics), Auburn, Alabama	EUA
49	Department of Pharmaceutical Sciences, College of Pharmacy, University of Nebraska Medical Center, Omaha, Nebraska	EUA
50	University of Connecticut	EUA
51	VTT Technical Research Centre of Finland	Finlândia
52	Université de Paris (Cit�), Paris, France – Facult� de Pharmacie	Fran�a
53	Universit� de La Rochelle / Department of Biotechnology / UMRi CNRS 7266 LIENSs Team BCBS, La Rochelle	Fran�a
54	Universit� de Corse Pascal Paoli / UMR-CNRS 6134, Ajaccio	Fran�a
55	�cole des Mines de Saint-�tienne, Polo de Gardanne	Fran�a
56	Mines Paris - Centre de Mise en Forme des Mat�riaux	Fran�a
57	National and Kapodistrian University of Athens	Gr�cia
58	Institute of Chemical Engineering Sciences	Gr�cia
59	Indian Institute of Technology Madras, Madras	India

60	Universitas Airlangga, Department of Marine, Faculty of Fisheries and Marine, Surabaya	Indonesia
61	University of Haifa	Israel
62	Samuel Neaman Institute, Technion	Israel
63	Laboratorio di Chimica Farmaceutica, Dipartimento di Scienze della Salute, Università Magna Græcia di Catanzaro, Catanzaro	Italia
64	Universidade de Cagliari	Italia
65	Università degli Studi di Perugia	Italia
66	Università degli Studi di Padova	Italia
67	University of Udine	Italia
68	Politecnico di Torino	Italia
69	Consiglio Nazionale delle Ricerche - Istituto SCITEC "G. Natta"	Italia
70	Sapienza University of Rome	Italia
71	University of Salerno	Italia
72	Tokyo Institute of Technology	Japão
73	Université Ibn-Zohr, Faculty of Science, Laboratory of Biotechnology and Valorization of Natural Resources, Agadir	Marrocos
74	Norwegian University of Science and Technology (NTNU)	Noruega
75	BI Norwegian Business School	Noruega
76	TU Eindhoven	Países Baixos

77	University of Twente	Países Baixos
78	Wetsus - European Centre of Excellence for Sustainable Water Technology	Países Baixos
79	University of Gdansk	Polónia
80	University of Lodz	Polónia
81	Faculty of Chemistry, Jagiellonian University, Krakow	Polónia
82	AGH University of Science and Technology	Polónia
83	Institute of Physics, Polish Academy of Sciences, Warsaw	Polónia
84	University of Aveiro	Portugal
85	University of Lisbon	Portugal
86	Faculty of Engineering of University of Porto	Portugal
87	Plant-Parasite Interactions group, University of Cambridge	Reino Unido
88	University of Leicester	Reino Unido
89	University of Leeds	Reino Unido
90	The National Institute for Research & Deveelopment in Chemistry and Petrochemistry – ICECHIM Bucharest	Roménia
91	"Victor Babes" National Institute of Pathology	Roménia
92	"Petru Poni" Institute of Macromolecular Chemistry	Roménia
93	Politehnica University of Timisoara	Roménia
94	University Politehnica of Bucharest	Roménia

95	University of Belgrade	Sérvia
96	Nanyang Technological University - NTU Singapore	Singapura
97	MidSweden University	Suécia
98	KTH	Suécia
99	Kungliga Tekniska Högskola & Swedish Environmental Research Institute	Suécia
100	Swedish Geotechnical Institute	Suécia
101	IVL - Swedish Environmental Research Institute	Suécia
102	Luleå University of Technology	Suécia
103	EMPA	Suíça
104	University of Sfax	Tunísia
105	Koc University	Turquia

C. Colaborações Indústrias Nacionais e Internacionais

1	Aerogel-It	Alemanha
2	Water Europe	Bélgica
3	Azas Alternativa Social, Brotas	Brasil
4	PlastBio Embalagens, Indaiatuba	Brasil
5	IRIS Technology Solutions	Espanha
6	Keey Aerogel	França
7	DHV MED Ltd	Israel
8	Atlantium Technologies Ltd	Israel
9	A4F Algae for Future SA, Póvoa de Santa Iria	Portugal
10	Adventech, S.A.	Portugal
11	Água de Coimbra, E.M.	Portugal

12	Ag-Innov, Centro de Excelência Agrícola - Grupo Ortigão Costa	Portugal
13	Amorim Corkl, S.A.	Portugal
14	Artemalha – Malhas, Lda. Celorico de Basto	Portugal
15	Ascenza Agro	Portugal
16	Biotrend SA, Cantanhede	Portugal
17	BGI – Building Global Innovators	Portugal
18	BH4U - best health for you	Portugal
19	Bluepharma, S.A.	Portugal
20	Bolseira, S.A.	Portugal
21	Bondalti CHEMICALS, S.A.	Portugal
22	Carbocode SA, Cantanhede	Portugal
23	Cerealis, S.A.	Portugal
24	CITEVE (Centro Tecnológico das Indústrias Têxtil e do Vestuário de Portugal)	Portugal
25	Comissão Portuguesa de Melhoramento de Terrenos	Portugal
26	Comissão Portuguesa de Geotecnia nos Transportes	Portugal
27	Comissão Portuguesa de Geotecnia Ambiental	Portugal
28	Companhia de Papel do Prado - Cartolinas da Lousã	Portugal
29	Dow Chemical Company	Portugal
30	Eco-Oil - Tratamento de Águas Contaminadas, S.A.	Portugal
31	Emba, S.A. - Comércio e Indústria de Embalagem	Portugal
32	Entogreen – Ingredient Odyssey, S.A.; Santarém	Portugal
33	Envitecna, Lda	Portugal
34	Fermentum SA, Cervejaria Letra, Vila Verde	Portugal
35	FILKEMP - INDÚSTRIA DE FILAMENTOS, S.A.	Portugal
36	Food4Sustainability Colab, Idanha-a-Nova	Portugal
37	GALP S.A.	Portugal
38	GLN, S.A.	Portugal
39	Greendet - Detergentes Ecológicos, Lda	Portugal
40	Grupo Nabeiro - Delta Cafés	Portugal
41	Inaceinox, S.A., Vale de Cambra	Portugal

42	Infraestruturas de Portugal	Portugal
43	INOTEC – Negócios e Gestão, Vila Nova de Famalicão	Portugal
44	International Iberian Nanotechnology Laboratory (INL), Braga	Portugal
45	Jerónimo Martins SGPS, S.A	Portugal
46	Labfit – HPRD, Lda., Covilhã	Portugal
47	LITEL - Litografia e Embalagens, Lda.	Portugal
48	Medicane Portugal	Portugal
49	Modatex, Porto	Portugal
50	The Navigator Company, S.A	Portugal
51	Nevox	Portugal
52	Nogam Unipessoal Lda	Portugal
53	Papeleira Coreboard SA	Portugal
54	Paralab S.A.	Portugal
55	Quimijuno – Produtos Químicos	Portugal
56	RAIZ - Instituto de investigação da Floresta e do Papel	Portugal
57	Recer-industria De Revestimentos Ceramicos S.a.	Portugal
58	Rialto, Indústria Alimentar, LDA	Portugal
59	Roclayer- Packaging Compounds, S.A.	Portugal
60	Sisav - Sistema Integrado De Tratamento E Eliminação De Resíduos, S.A	Portugal
61	SilicoLife, Braga	Portugal
62	SMC+, Braga	Portugal
63	Sogilub, Lda	Portugal
64	Smart Waste Portugal	Portugal
65	SPI - Sociedade Portuguesa de Inovação	Portugal
66	Sugal Group	Portugal
67	Super Bock Group, SGPS, S.A	Portugal
68	TMG-Automotive	Portugal
69	Têxteis J. F. Almeida, Guimarães	Portugal
70	Zarrinha - Fáb. de Papel e Cartão da Zarrinha Sa	Portugal
71	Thermulon	Reino Unido

2.5. Prémios

1	Braga, Mara ARRISCA C - 3rd place in the Innovation category, University of Coimbra 'ProBag – Preserving roots, nurturing growth!', (https://www.arriscac.pt/).
2	C. Bento, M. Pinheiro, S. Alarico, N. Empadinhas, H. De Sousa, M.E.M. Braga. 2024-Honorable mention, EIFS 2024. Edible aerogels: the future of space travelling? 3º Encuentro Ibérico de Fluidos Supercríticos, 22-24 July in Ourense, Spain. https://flucomp.es/eventos/eifs2024-ourense
3	Campos, Elisa Best innovation in Acelera@UC 2024 - Training Programme for Entrepreneurs, University of Coimbra
4	Durães, L. World Top 2% Scientists' ranking of University of Stanford in 2022, 2023, 2024.
5	Durães, L. Selecionada para a exposição "50 Anos de Ciência no Feminino; a Voz das Mulheres na UC", com o perfil e impacto de investigação de 24 investigadoras das áreas das ciências exatas, ciências da saúde, ciências naturais, ciências da engenharia e tecnologias. RÓMULO - Centro de Ciência da Universidade Coimbra; 8 de março a 31 de maio de 2024.
6	Durães, L. Prémio Acelera@UC - Programa de Capacitação para Empreendedores - 2024 edition, com o projeto Rubliq - Dissolution of rubber from end-of-life tires for surface applications, defendido pela equipa de Giulia Clare, Luisa Durães, Paulo Santos, Alyne Lamy, Dora Pontinha, Cláudio Almeida; UC Business & HIVE; 30 de abril de 2024.
7	Durães, L. 2023 Outstandings Reviewer Award – atribuído pela revista Gels, 2024.
8	Durães, L. Prémio para Melhor Poster "Removal of Disinfection Byproducts from Drinking Water" (co-autora) – CERES Talks: Students' Edition, defendido por Roque, M.I.; CERES – University of Coimbra, 15 de maio de 2024.
9	Gamelas, J. Distinção Integrou a lista mundial World's Top 2% Scientists.
10	Maleita, C. ESN Green Travel Award,

	Contribution to the reduction carbon emissions when attending the 35th International Symposium of the European Society of Nematologists, Córdoba, Spain.
11	Pereira, Jorge F. B. Vencedor do Prémio Arrisca C 2024 na categoria de Sustentabilidade – Concurso de Ideias de Negócio, promovido pela Universidade de Coimbra (UC) DyeLoop - a circular and integrated platform for the recovery and reuse of textile dyes from industrial effluents
12	Pereira, Jorge F. B. GISU - 2024 Urban Innovation and Entrepreneurship Competition - Entidade Promotora: Guangzhou International Sister-City Universities julho a dezembro de 2024 DyeLoop - a circular and integrated platform for the recovery and reuse of textile dyes from industrial effluents
13	Pereira, Jorge F. B. Selecionado como um dos 5 projetos vencedores, com apresentação no StartUp Capital Summit 2024, o maior evento nacional de capital de risco. Acelera@UC 2024: Programa de Capacitação para Empreendedores - Entidade Promotora: UC Business – Divisão de Transferência de Tecnologia da Universidade de Coimbra (UC) 06-03-2024 a 30-04-2024 DyeLoop - a circular and integrated platform for the recovery and reuse of textile dyes from industrial effluents
14	Pereira, Jorge F. B. Vencedores recebendo um prémio monetário de 5.000 € e vários prémios adicionais envolvendo mentoria, incubação e marketing do projeto. Blue Bio Value Ideation 2024 Entidade Promotora: Oceano Azul Foundation junho a novembro de 2024. Projeto: MarineBioTex – Integrated Technologies for the incorporation of marine-derived bio-based compounds in advanced biotextile applications. Vencedores recebendo um prémio monetário de 5.000 € e vários prémios adicionais envolvendo mentoria, incubação e marketing do projeto.
15	Pereira, Jorge F. B. Vencedores da fase regional BioRural Innovation Challenge 2024 (Southwestern region) Entidade Promotora: Projeto BioRural - Accelerating circular bio-based solutions integration in European rural areas junho a novembro de 2024. Projeto: AgroBioTex – From Agrowaste to Eco-Friendly Textiles.
16	Pereira, Jorge F. B. Memorial Award in the GreenCheE Cover Contest para a capa do artigo da Green Chemical Engineering: Veríssimo, N.V.; Saponi, C.F.; Ryan, T.M.; Greaves, T.L.; Pereira*, J.F.B., Imidazolium-based ionic liquids as additives to preserve the Enhanced Green Fluorescent Protein fluorescent activity, Green Chemical Engineering, 2021, 2, 412-422. doi.org/10.1016/j.gce.2021.08.001.

17	Pereira, Jorge F. B. Artigo selecionado como highly cited paper na coleção principal da Web of Science: Chatel, GR.; Pereira, J.F.B.; Debbeti, V.; Wang, H.; Rogers*, R.D., Mixing ionic liquids – “simple mixtures” or “double salts”?, Green Chem., 2014, 16(4), 2051-2083. http://doi.org/10.1039/C3GC41389F
18	Pereira, Jorge F. B. Selecionado como um dos Pioneering Investigators 2024 da Chemical Communications, com o trabalho “Aqueous two-phase systems - versatile and advanced (bio)process engineering tools” de e Jorge, A.M.S. and Pereira, J.F.B.*, G. Chemical Communications, 2024, 60, 12144-12168. https://doi.org/10.1039/D4CC02663B
19	Pereira, Jorge F. B. Artigo selecionado na edição especial “2024 PCCP HOT Articles”, “Unravelling the molecular interactions behind the formation of PEG/PPG aqueous two-phase systems”, Jorge, A.M.S.; Silva, G.M.C.; Coutinho, J.A.P.*; Pereira, J.F.B.*, Physical Chemistry Chemical Physics, 2024, 26(9), 7308-7317. https://doi.org/10.1039/D3CP05539F
20	Reis, M.S. 3.º prémio para melhor apresentação no Sargent Center PSE@ResearchDayUK, realizado no Imperial College, Londres (Reino Unido), no dia 6 de setembro de 2024. “Collaborative Preferential Bayesian Optimization with Transfer Learning of User Preferences”
21	Reis, M.S. prémio “Award Personalized Pharmaceutical Basinnov” no Pharma PhD Day, realizado em Coimbra, no dia 22 de novembro de 2024. “Leveraging Big Data for Enhanced Pharmaceutical Quality and Process Optimisation: How to Achieve Horses instead of Unicorns?”
22	Salgueiro, L. Distinção Integrou a lista mundial World's Top 2% Scientists.

Projectos 2024

A. Projectos em Curso		Montante Global	Montante CERES
14	PROJECTOS FINANCIADOS PELA FCT	1 983 456,16 €	1 564 153,28 €
13	PROJECTOS FINANCIADOS POR INSTITUIÇÕES PÚBLICAS NACIONAIS	302 894 272,01 €	4 326 007,61 €
5	PROJECTOS FINANCIADOS PELA INDUSTRIA NACIONAL	341 632,73 €	341 632,73 €
3	PROJECTOS FINANCIADOS POR OUTRAS INSTITUIÇÕES NACIONAIS	60 000,00 €	60 000,00 €
7	PROJECTOS FINANCIADOS POR INSTITUIÇÕES EUROPEIAS	17 342 703,47 €	3 408 268,03 €
2	PROJECTOS FINANCIADOS POR OUTRAS INSTITUIÇÕES INTERNACIONAIS	268 495,04 €	0,00 €
1	PROJECTOS FINANCIADOS PELA INDUSTRIA INTERNACIONAL	414 800,00 €	414 800,00 €
FINANCIAMENTO <u>TOTAL</u> DOS PROJECTOS		323 305 359,41 €	10 114 861,65 €
B.	Candidaturas de Projectos	46	

A. Projectos em Curso

A. PROJECTOS FINANCIADOS PELA FCT			
Título	Entidade Financiadora	Financiamento TOTAL do projecto	Financiamento do projecto para a UNIDADE
MSSHBioCem – Auto-Reparação de Superfícies de Argamassa usando um Biocimento de Elevado Desempenho” 2022.03631.PTDC	FCT	249 086,21 €	0,00 €
LIGNING FOR HAIR - Adding Value to Lignin From Biomass for Hair Care Applications; 2022.06810.PTDC	Exploratory Research Projects	49 926,72 €	9 985,34 €
NANOCELIRONGAL - Nanocellulose films for the repair of old documents containing iron gall ink, 2022.01621.PTDC	FCT - Exploratory Research Projects	49 729,00 €	49 729,00 €
NABIA - New Approach to Bioremediation Using Algae / PTDC/BTA-GES/2740/2020	FCT	239 739,90 €	0,00 €
CirReDyeing – “Integrated platform for recycling of textile dyeing wastewater using Aqueous Biphasic Systems: A Circular Economy Approach” (Projeto DRI/India/0044/2020)	FCT /India	99 731,31 €	99 731,31 €
MORfood – “Microencapsulation of Moringa Oleifera extracts and its application in functional foods to mitigate children malnutrition in developing countries”, FCT AGA-KHAN/541163254/2019	FCT em parceria com o programa Aga Khan	229 360,37 €	81 348,93 €
PATCH - An Innovative Transdermal Heart-targeted Drug Delivery Strategy - 022.05810.PTDC	Exploratory Research Projects	49 994,20 €	0,00 €
PLANTS4AGEING – Potencial das Plantas Aromáticas e Medicinais no Envelhecimento Cardiovascular, PD21-00003	BPI/Fundação La Caixa e Fundação para a Ciência e Tecnologia	311 563,00 €	0,00 €
AlBread : Uso de plantas aromáticas do Alentejo e farinha de bolota no desenvolvimento de pão funcional. PD23-00025	LaCaixa/FCT	248 129,00 €	144 564,74 €
PineWALL - A relevância da composição e estrutura da parede celular para a resistência à doença da murchidão do pinheiro em cenários de alterações climáticas, PTDC/ASP-SIL/3142/2020	FCT	239 781,74 €	0,00 €

DIGIAqua - Digitalizando a Aquacultura: da análise preditiva à plataforma fotónica inteligente PTDC/EEI-EEE/0415/2021	FCT	21 033,99 €	21 033,99 €
Smart/stimuli -responsive liposome loaded hydrogels with dual delivery potential for tissue engineering applications, 2022.02495.PTDC	Exploratory Research Projects	49 972,72 €	49 972,72 €
"Mechanisms of protection of lactic acid bacteria by fructo-oligosaccharides: a molecular simulation study", -2022.15888.CPCA	FCT - Concurso de Projetos de Computação Avançada (3ª edição).	26 155,00 €	26 155,00 €
Mechanisms of protection of lactic acid bacteria by fructo-oligosaccharides: a molecular simulation study. Reference: 2024.08918.CPCA.A3	FCT - Concurso de Projetos de Computação Avançada (5ª edição).	119 253,00 €	119 253,00 €
		1 983 456,16 €	601 774,03 €

B. PROJECTOS FINANCIADOS POR INSTITUIÇÕES PÚBLICAS NACIONAIS			
Título	Entidade Financiadora	Financiamento TOTAL do projecto	Financiamento do projecto para a UNIDADE
"Living the Future Academy"	PRR/ EU	nd	nd
PAM4WELLNESS - Plantas Aromáticas e Medicinais	Portugal 2020 POCI	550 000,00 €	0,00 €
Heat-induced epithelial permeability: a nanoscale-based solution for the treatment of fungal keratitis	Centro Hospitalar e Universitário de Coimbra (CHUC)	10 000,00 €	10 000,00 €
From bedside to bench and back again: the role of essential oils as potential treatment of fungal keratitis	Sociedade Portuguesa de Oftalmologia (SPO)	13 300,00 €	13 300,00 €
Retinal Optical Coherence Tomography-derived texture features as potential biomarkers for early diagnosis and progression of diabetic retinopathy	Portuguese Society of Diabetology, SPD (Charneco da Costa Grant 2024)	5 000,00 €	0,00 €

Analysis of physical and chemical properties of silicone oil	Portuguese Society of Ophthalmology (SPO) (Clinical Research Support Grants 2024)	6 300,00 €	0,00 €
TEC4GREEN (Reference: C644948561-00000052) (Aviso 2022-C05i0101-02 PRR RE-C05-i01.02 Agendas/Alianças Verdes para a inovação empresarial)	Programa de Recuperação e Resiliência (PRR)	49 703 000,00 €	1 580 959,00 €
Cogumelos do “Prado ao Prato” : Do Tratamento de Doenças do Metabolismo a Dieta Saudável Sustentável a partir da Valorização de Recursos Agro-florestais	PRR-C05-i03-I-000160	390 723,92 €	0,00 €
HappyBread : Desenvolvimento de receitas de pão funcionalizado com óleos essenciais e plantas aromáticas, e fortificado com antioxidantes, vitamina-D e cálcio.	PT2030 - SIID - I&D Empresarial em Copromoção	665 198,88 €	268 136,00 €
CinTech - : Polo Tecnológico de Inovação, Translação e Industrialização de Medicamentos Injetáveis Complexos	PRR	21 780 000,00 €	1 034 078,11 €
NEXUS - Pacto de Inovação – Transição Verde e Digital para Transportes, Logística e Mobilidade	PRR	59 000 000,00 €	80 312,59 €
FF2F - From Fossil to Forest, PRR C5 616535 (2022-2025)	PRR - Plano de Recuperação e Resiliência	103 277 000,00 €	692 056,00 €
Agenda Microeletrónica - candidatura C644916358-00000028)	PRR - Plano de Recuperação e Resiliência	67 493 749,21 €	200 000,00 €
		302 894 272,01 €	3 878 841,70 €

C. PROJECTOS FINANCIADOS PELA INDUSTRIA NACIONAL			
Título	Entidade Financiadora	Financiamento TOTAL do projecto	Financiamento do projecto para a UNIDADE
GreenVinegar – Separation and purification of Wood Vinegar from Pyroligneous Liquids	BGW, SA.	15 705,38 €	15 705,38 €

TyrPlus 2.0 – Recovery and Purification of Tyrosol derivatives from fermentation broth – stage 2	SilicoLife.	11 530,85 €	11 530,85 €
Fluxo – Otimização das formulações de desoxidantes em pasta para maior estabilidade e desempenho	Nevox, Soldas e Desoxidantes, Lda	8 425,50 €	8 425,50 €
LiVAPOR - Avaliação de processos térmicos para o tratamento de lixiviado de aterro industrial.	SISAV	16 831,00 €	16 831,00 €
Consultorias diversas com empresas nacionais (semicondutores, cortiça, química,...) : MVSPC Monitorização megavariada de processos industriais, Quality Improvement, MVDA, PAST-SS, ICARO, rQbD		289 140,00 €	289 140,00 €
		341 632,73 €	341 632,73 €

D. PROJECTOS FINANCIADOS POR OUTRAS INSTITUIÇÕES NACIONAIS			
Título	Entidade Financiadora	Financiamento TOTAL do projecto	Financiamento do projecto para a UNIDADE
NanoLensTech – A modified contact lens with nanotechnology for the treatment of keratoconus	Santander Universidades/Universidade de Coimbra	20 000,00 €	20 000,00 €
NeWOife (Projeto semente). Título: Regeneração de óleos lubrificantes usados através de CO2 supercrítico – um processo rumo à economia circular e à melhoria ambiental	Santander Universidades/Universidade de Coimbra	20 000,00 €	20 000,00 €
RubLiQ – Dissolução de borracha de pneus em fim de vida para aplicações em superfícies	Santander Universidades/Universidade de Coimbra	20 000,00 €	20 000,00 €
		60 000,00 €	60 000,00 €

E. PROJECTOS FINANCIADOS POR INSTITUIÇÕES EUROPEIAS			
Título	Entidade Financiadora	Financiamento TOTAL do projecto	Financiamento do projecto para a UNIDADE
MeloRisk - Preventing Meloidogyne graminicola spread in European rice paddies Self-funded phytosanitary network in Europe supported by its members and accountable to them (INIAV is the Portuguese EUPHRESKO member)	EUPHRESKO-EU	207 579,52 €	0,00 €

BIOBASED2UC - "Exploring novel bio-based materials and their applications in conservation and restoration with a new interdisciplinary team"	European Comission: ERA Chair	2 269 845,60 €	2 269 845,60 €
Inovação Circular : Investir e Empoderar para um Desenvolvimento Sustentável e Inclusivo em Sofala” , FED/2021/171155-1/24	União Europeia	11 840,00 €	11 840,00 €
ECO-AEROGELS – Technical, commercial and societal innovations on aerogels towards circular economy, Project COST Innovators Grant (CIG)	COST Association	0,00 €	0,00 €
CHEERS4EU - Circular Hubs serving as an Engine for European Regions to foster a Strong Green Economy 4 Europe	Interreg Europe	1 740 422,00 €	201 738,00 €
I3-4-BIOFERTILIZERS : Interregional innovation investments for biofertilizers and circular bioeconomy solutions for a sustainable agriculture	Call Interregional Innovation Investments Strand 1 (I3-2023-INV1)	9 113 195,35 €	563 101,00 €
H2OforAll - innovative integrated tools and technologies to protect and treat drinking water from disinfection byproducts (DBPs) - GA101081963	EUROPEAN RESEARCH EXECUTIVE AGENCY (REA)	3 999 821,00 €	352 499,00 €
		17 342 703,47 €	3 399 023,60 €

F. PROJECTOS FINANCIADOS POR OUTRAS INSTITUIÇÕES INTERNACIONAIS			
Título	Entidade Financiadora	Financiamento TOTAL do projecto	Financiamento do projecto para a UNIDADE
“Improving the stability of biomolecules using ionic liquids”	Australian Research Council	268 495,04 €	0,00 €
Processo biotecnológico visando o desenvolvimento de colorantes naturais microbianos para aplicação industrial: fase II, Processo 2021/06686-8	FAPESP	0,00 €	0,00 €
		268 495,04 €	0,00 €

G. PROJECTOS FINANCIADOS PELA INDUSTRIA INTERNACIONAL			
Título	Entidade Financiadora	Financiamento TOTAL do projecto	Financiamento do projecto para a UNIDADE
Consultorias diversas com empresas internacionais: Sofensors, Industrial data analysis -Galp; Batchboost com empresa sediada nos EUA (nome sob sigilo); IMAGE-FUSION - Análise de dados provenientes de imagens e sensores(nome sob sigilo)		414 800,00 €	414 800,00 €
		414 800,00 €	414 800,00 €

B. Candidaturas de Projectos	
NEXTBIOMASS - 101181161-2	EU/HORIZON-CL6-2024-ZEROPOLLUTION-02
BIOBASED2UC Exploring novel bio-based materials and their applications in conservation and restoration with a new interdisciplinary team, Project nº 101186492	Comissão Europeia: HORIZON-WIDERA-2023-TALENTS-01-01
StimuLipoGel. Proposal ID: 101200136	ERC-2024-ADG. HORIZON-ERC
SudWaMa	Interreg Sudoe / European Union
Rede Temática VALORBio+ - Desarrollo de estrategias de valorización de la biomasa: aplicación de la biorrefinería como herramienta sostenible en procesos industriales	Programa CYTED; Convocatória CYTED 2023
Lipid nanoparticles 4.0: towards smart pharmaceutical process development	European Comission / HORIZON-MSCA-2024-DN-01
CONSTEULLATION - HOLISTIC MONITORING SOLUTIONS AND OPEN PLATFORMS FOR EUROPEAN URBAN WATER COLLABORATION	HORIZON-CL6-2024-ZEROPOLLUTION-02-1-two-stage
AeroFlyEx - Aerogel Design and Flight Experiment for Thermal Superinsulation of a Space Device	Eureka - Eurostars 3 - Call 4

SPARTAN	COST
I3-4-BIOFERTILIZERS - 101161143 - GAP-101161143	Call Interregional Innovation Investments Strand 1
Exploring the 3D BioPrinting for Design of Novel Biodegradable Hydrogels as Lutein Carriers	Exploratory Projects in All Scientific Domains 2023.
Plant protection bag against plant-parasitic nematodes in conventional and family farming – a new sustainable system	Exploratory Projects in All Scientific Domains 2023.
Diatom ^W afer - Diatomaceous silica for semiconductors	Exploratory Projects in All Scientific Domains 2023.
Diatomaceous silica for semiconductors	Exploratory Projects in All Scientific Domains 2023.
Tecnologias avançadas para a monitorização e remoção de PFAs da água	FCT
From bedside to bench and back again: Black soldier fly antimicrobial peptides as a sustainable tool to treat fungal keratitis	FCT
NEWTOX -Impact of Advanced Wastewaters Treatment in Neurotoxicity	FCT
VOCenergy - Biovalorização de Compostos Orgânicos Voláteis com Recurso à Tecnologia de Células de Combustível Microbianas	FCT
OXYNATURA - Processo de desinfecção de águas ecológico e sustentável para um futuro mais verde	FCT
therapY - Neuropeptide Y system as a new therapeutic target against Traumatic Brain Injury	FCT
Electrochemical biosensor for the detection of telomerase cancer biomarker in precision oncology	FCT
Customized MXene nanoStructures for Cutting-Edge Research and Optimization in Colorectal Cancer Diagnostic	FCT

High-Performance BIOTEXtiles - Improving the stability and durability of bio-based textiles using eco-friendly and integrated dyeing and finishing platform	FCT
RAINS - Rainwater as a resource in the City: Utilizing natural based systems (NBS) for sustainable urban water	FCT
RemovePFAS	FCT
FunLip2Brain - Double functionalized lipid nanoparticles to deliver nucleic acids directly into neurons: impact on neuropsychiatry disorders	Projetos Semente UC
Meloidogyne graminicola: a ameaça iminente à produção de arroz em Portugal	Projetos de Investigação Científica e Desenvolvimento Tecnológico (IC&DT)
ISense4Food - Sistema sensor integrado para avaliação da frescura dos alimentos	Santander Universidades / UC; Provas de Conceitos UC by Santander Universidades
DRoplet - Deploying Rotational Spectroscopy-guided Nanomaterials for Water Treatment	Santander Universidades / UC; Provas de Conceitos UC by Santander Universidades
RubLiQ (scale-up) – Dissolution of rubber from end-of-life tires for surface applications	FUNDAÇÃO CALOUSTE GULBENKIAN
BI-WELLNESS - Desenvolvimento de produtos para o Bem-Estar humano e animal na Beira Interior	FCT BPI la Caixa
AquaSafe - Improving the Quality of Water: Detection, Characterization and Removal of Disinfection Byproducts from Drinking Water	Bilateral Project FCT
Cut CO2: Deplete Carbon Dioxide using Twin Nitrenes as Photocatalyst	Individual Call to Scientific Employment Stimulus - 7th Edition
BRAIN5IGHT - Neuropeptide Y5 Receptor as a Novel Therapeutic Target for Traumatic Brain Injury	Concurso CaixaResearch de Investigação em Saúde
ABIDE – Aerogel Blanket Insulator through Dapper Encapsulation	PT Space / ESA; SGPT call
IdealLeather	SIID – I&D Empresarial – Regime Contratual Investimento (RCI)

LIGNIN2VALUE: Interregional Innovation Investments for Sustainable Alternative Proteins in Food and Feed	Call: I3 Project Grants
Wood.Pro - Liquid rubber from ELTs for wood protection	
Fruit4Fungi	11ª Edição do Prémio Empreendedorismo e Inovação Caixa Agrícola
Wear4Health - Wearable Textile Patches for Non-Invasive Optical Detection of Biomarkers in Healthcare Applications	PT2030
MPr-2023-12	PT2030
Projeto GreenCoat - Impermeabilização e Customização Sustentável de Pavimentos de Borracha de Pneus Reciclados	PT2030
aeroZwaste - Produção de painéis de aerogel isolantes a partir da utilização circular de	PT2030
Inpactus+: Investigação e desenvolvimento em floresta plantad, biorrefinaria e bioprodutos sustentáveis	PT2030
Desenvolvimento de adsorventes naturais aliados a processos oxidativos para a remoção de subprodutos de desinfecção (dbps - disinfection by-products) da água de abastecimento público	MCTI/CNPQ Nº 16/2024
Novos absorventes para captura de CO2 usando soluções aquosas de líquidos iônicos, poli(líquidos iónicos) de baixo peso molecular, e enzimas (LIQUION-CO2)	PETROBRAS/SIGITEC (Brazil)