



UNIDADE DE INVESTIGAÇÃO EM TOXICOLOGIA
TOXICOLOGY RESEARCH UNIT

RELATÓRIO DE ATIVIDADES

ACTIVITIES REPORT

2022

RELATÓRIO DE ATIVIDADES

ACTIVITIES REPORT

2022

Produzido por:

TOXRUN – Unidade de Investigação em Toxicologia

Versão pública do relatório de atividades disponível em:

<https://toxrun.iucs.cespu.pt/>

Relatório elaborado com base na informação recolhida:

- na PubMed, SCOPUS e Publons (afiliação TOXRUN, data de publicação de 01/01/2022 a 31/12/2022) e

- disponibilizada por alguns investigadores.

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RESUMO

MEMBROS TOXRUN

	Número
Doutorados	67
Estudantes de Doutoramento	13
Alunos de Mestrado	10
Assistentes de Investigação	2

PUBLICAÇÕES CIENTÍFICAS

	2022
Publicações Científicas	
Livros e Capítulos de Livro	8
Artigos em Revistas Científicas	137
Projetos de Investigação	
Concluídos em 2022:	
<i>Com financiamento interno</i>	9
<i>Com financiamento externo</i>	2
Em curso:	
<i>Com financiamento interno</i>	17
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PERCENTAGEM DE PUBLICAÇÕES POR ÁREA E TIPOLOGIA (com base na informação disponível na plataforma Scopus para o período de 01.01.2022 – 31.12.2022)

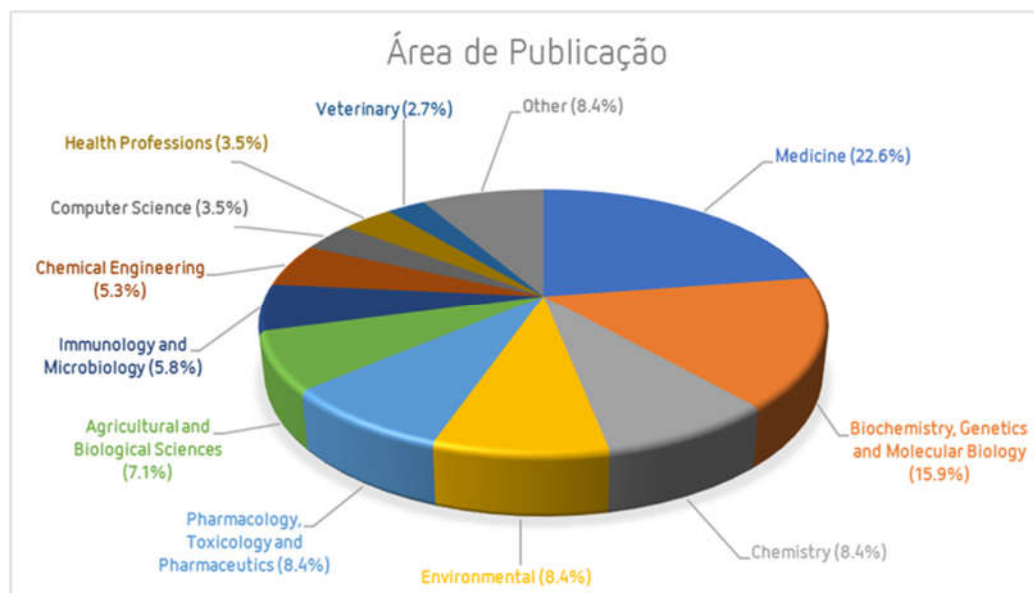


Figura 1. Percentagem de publicações TOXRUN por área científica.

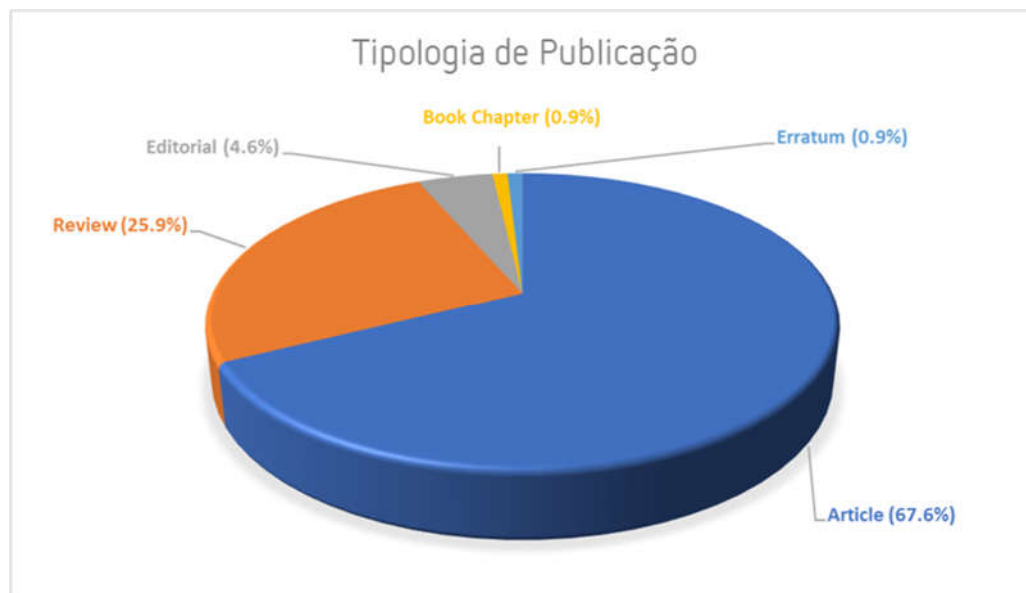


Figura 2. Percentagem de publicações TOXRUN por tipologia.

MEMBROS TOXRUN

MEMBROS TOXRUN

A equipa de investigação da TOXRUN é constituída pelos seguintes membros:

Doutorados

NOME	Ciência ID	MEMBRO	TIPO DE INTEGRAÇÃO
Albina Dolores Resende	001C-D21B-F58A	PhD	Integrado
Alexandra Mónica Bastos Viana Costa	3210-404A-63D5	PhD	Integrado
Alexandra Sofia Moreira Amendolia da Costa Maia	6A15-FOA3-AEF2	PhD	Integrado
Alexandra Sofia Pereira Teixeira	521D-71F0-4D1A	PhD	Integrado
Alexandre Nuno Vaz Batista De Vieira E Brito	7F14-1DB7-A31A	PhD	Integrado
Ana Catarina Marques Gomes Tavares	1B18-4E2F-23F3	PhD	Integrado
Ana Isabel Carvalho Teixeira	6F14-7025-D72D	PhD	Integrado
Ana Isabel Pacheco Teixeira	3612-C1EB-82D4	PhD	Integrado
Ana Rita De Sousa Santos	3919-8BB7-4AA8	PhD	Integrado
Ângela Patrícia Da Silva Novais Amorim	9C1E-564B-589E	PhD	Integrado
Ana Raquel Pinho Freitas Fernandes	CD1A-0BD1-FB98	PhD	Integrado
António Bartolomeu Jácomo Ferreira	C315-A866-7E20	PhD	Integrado
Áurea Marília Madureira e Carvalho	1E13-192E-1ED3	PhD	Integrado
Bruno Miguel Raposo Távora de Barros Peixoto	BA17-1369-F2EA	PhD	Integrado
Carla Isabel Silva Miranda	5110-8798-28ED	PhD	Integrado
Carla Susana Meireles Coimbra	1818-39C9-ECC9	PhD	Integrado
Carla Maria Carvalho Batista Pinto	611B-C8E7-3DBA	PhD	Integrado
Carlos Jorge Azevedo Costa Ribeiro	241A-31B3-A5D2	PhD	Integrado
Carmen Maribel Teixeira	6711-5990-2549	PhD	Integrado
Célia Fortuna	5F12-D3E1-E028	PhD	Integrado
Cesar Marcos Cavalcante Filho	F01A-0388-8483	PhD	Integrado
Cláudia Maria Rosa Ribeiro	9D17-0C17-2703	PhD	Integrado
Cristina Maria Cavadas Morais do Couto	401F-3E18-AA5C	PhD	Integrado
Daniel José da Costa Barbosa	FE1C-104F-37C1	PhD	Integrado

Daniel Pérez Mongiovi	1F1D-7B7D-E23C	PhD	Integrado
Daniel Fernando Machado Folha	8E1B-0464-13A5	PhD	Integrado
Diana Dias da Silva	7715-CF06-F0B5	PhD	Integrado
Eduarda Marlene Peixoto da Silva	5015-3846-0CF9	PhD	Integrado
Graça Maria Figueiredo Casal	241A-2B8A-68A0	PhD	Integrado
Helena Maria Maia Real	DF19-84E1-0599	PhD	Integrado
Inês Alexandra Costa de Morais Caldas	7318-8467-5131	PhD	Integrado
Joana Correia Prata	4F14-9267-06FA	PhD	Integrado
Joana Margarida Costa Fernandes	781E-1039-D967	PhD	Integrado
Joana Margarida Ferreira da Costa Reis	5F1C-9D14-387E	PhD	Integrado
João Pinto de Sousa	841B-0DD5-0739	PhD	Integrado
Joaquim António Faria Monteiro	111B-81BC-6CC4	PhD	Integrado
José Alberto Ramos Duarte	B215-DEF4-DCB1	PhD	Integrado
José Carlos Márcia Andrade	2D1D-00CA-016F	PhD	Integrado
Juliana da Conceição Fernandes de Faria	C61C-3AD3-BD55	PhD	Integrado
Kristof Raemdonck	C414-47D8-E794	PhD	Integrado
Luís Bernardo Tavares de Pina Cabral	4214-1DD9-7CFE	PhD	Integrado
Luis Miguel Marques Fernandes	A810-05EF-CDDA	PhD	Integrado
Maria Begoña Criado	CC1D-5712-B68E	PhD	Integrado
Maria Carolina Rocha e Pinho P. Meireles de Amorim	E710-8F24-EE9B	PhD	Integrado
Maria do Céu Monteiro		PhD	Integrado
Maria Dos Prazeres da Silva Gonçalves	1D10-B5B1-9CD2	PhD	Integrado
Maria Elizabeth Tiritan	D915-BFC0-FB3A	PhD	Colaborador
Maria Inês Pádua Correia Dos Santos Silva	371B-D9D9-953F	PhD	Integrado
Maria Joana Almeida Rodrigues Barbosa	F013-BF98-01DE	PhD	Integrado
Maria João Garrett Silveirinha de Sottomayor Neuparth	681B-2834-BBC0	PhD	Integrado
Maria Raquel Soares Pacheco Esteves	5E1A-54BE-ACED	PhD	Integrado
Natália Ana Pereira Da Cruz Martins	7216-F030-B645	PhD	Integrado
Nelson Gonçalo Mortágua Gomes	DC11-EFB8-2085	PhD	Integrado
Nuno Jorge da Silva Pereira Milhazes	5919-8A5A-0F00	PhD	Integrado

Paolo De Marco	9C1C-CDFD-375E	PhD	Integrado
Patrícia Alexandra Pacheco Ferreira Barradas	F71C-7577-66B8	PhD	Integrado
Ricardo Jorge Dinis Oliveira	1E18-A189-41D0	PhD	Integrado
Rui Miguel Simões de Azevedo	1315-351E-6B42	PhD	Integrado
Sandra Carla Ferreira Leal	9B1E-708E-EA57	PhD	Integrado
Sandra Maria Basílio Quenteira	8D1C-EB87-D450	PhD	Integrado
Sara Alexandra Vinhas Ricardo	9410-648A-A564	PhD	Integrado
Sara Sofia Fernandes de Lima	5A1D-E7A9-7BD0	PhD	Integrado
Sónia Marisa Rodrigues Machado	5A17-2312-D246	PhD	Integrado
Susana Sá	EA1F-0268-1794	PhD	Colaborador
Teresa G. Barroso	311C-CFC1-04A2	PhD	Integrado
Teresa Maria Salgado de Magalhães	541B-915D-A96B	PhD	Integrado
Vitor Manuel Fernandes Seabra da Silva	9A13-F422-C91A	PhD	Integrado

Estudantes de Doutoramento

NOME	Ciência ID	MEMBRO	TIPO DE INTEGRAÇÃO
Ana Carolina Morgado Faria	041A-50C6-B9F9	PhD student	Integrado
Ana Catarina Pinto de Sousa	C81D-09E1-2F59	PhD student	Integrado
Ângela Raquel Silva Bessa	8C1B-BD1D-523A	PhD student	Colaborador
Andreia Machado Brito da Costa	3114-9051-C108	PhD student	Integrado
Ariana Isabel Pérez Pereira	DD1D-76F8-6479	PhD student	Integrado
Catarina Pereira Teixeira	7219-3C35-A46A	PhD student	Integrado
Diana Luísa de Almeida Nunes	621C-A003-9309	PhD student	Integrado
Ivan Marcelino Langa	FF1B-86F3-2E02	PhD student	Integrado
Márcio Teodoro da Costa Gaspar	F113-AEB5-CC3E	PhD student	Integrado
Maria de Almeida Mexia de Almeida	081C-F448-D7DD	PhD student	Integrado
Maria Rita Branco Garcia	BE19-523C-1D5B	PhD student	Integrado
Ondina Isabel Martins Ribeiro		PhD student	Colaborador
Sofia João Nogueira	BC15-1E78-F396	PhD student	Colaborador

Alunos de Mestrado

NOME	Ciência ID	MEMBRO	TIPO DE INTEGRAÇÃO
Ana Cláudia Coelho Ferreira	6712-D68D-F360	MSc student	Integrado
Ana Rita Costa		MSc student	Integrado
Beatriz Cristina Cancela Ala Silva Lourenço	3315-DE80-CA46	MSc student	Integrado
Cláudia Sofia Fontes Fernandes	921E-AD3C-2594	MSc student	Integrado
Cristiana Soares Cardoso	5712-BC2A-1A58	MSc student	Integrado
Jéssica Leonarda Gaspar Lucala	B412-9514-7564	MSc student	Integrado
Mariana Torres Portugal Ramirez	6415-4BA7-7189	MSc Student	Integrado
Rogério Eduardo Cerqueira Pereira Ribeiro	941F-836B-A2F5	MSc Student	Integrado
Sandra Maria Cerdeira de Campos Costa	F112-E745-EAC9	MSc Student	Integrado
Valter Tempura	691E-1DF2-1468	MSc Student	Integrado

Assistentes de investigação

NOME	Ciência ID	MEMBRO	TIPO DE INTEGRAÇÃO
Patricia Silva, PhD	4B19-7E26-A047	Assistente de Inv.	
Virgínia Gonçalves, MSc	DB12-D51F-C2D7	Assistente de Inv.	

LIVROS E CAPÍTULOS DE LIVRO

LIVROS E CAPÍTULOS DE LIVRO

2022

Referência da publicação	Url (ou DOI)	ISBN
1. Brito-da-Costa, A.M., Dias-da-Silva, D., Madureira-Carvalho, Á., Dinis-Oliveira, R.J. (2022). Psilocybin and magic mushrooms: Patterns of abuse and consequences of recreational misuse. In: Patel, V.B., Preedy, V.R. (eds) Handbook of Substance Misuse and Addictions. Springer, Cham.	https://doi.org/10.1007/978-3-030-67928-6_130-1	978-3-030-67928-6
2. Franco-Duarte, R., Kadam, S., Kaushik, K. S., Painuli, S., Semwal, P., Cruz-Martins, N., & Rodrigues, C. F. (2022). Quick detection and confirmation of microbes in food and water. In Present Knowledge in Food Safety: A Risk-Based Approach through the Food Chain (pp. 893-916): Elsevier.	https://www.sciencedirect.com/science/article/pii/B9780128194706000305	978-0-12-819470-6
3. Nunes D, Ricardo S. Ovarian Cancer Ascites as a Liquid Tumor Microenvironment. In: Lele S, editor. Ovarian Cancer [Internet]. Brisbane (AU): Exon Publications; 2022 Sep 8. Chapter 3. PMID: 36343140.	https://www.ncbi.nlm.nih.gov/books/NBK585986/	978-0-6453320-8-7
4. Nunes M, Ricardo S. Chemoresistance in Ovarian Cancer: The Role of Malignant Ascites. In: Lele S, editor. Ovarian Cancer [Internet]. Brisbane (AU): Exon Publications; 2022 Sep 8. Chapter 2. PMID: 36343141.	https://www.ncbi.nlm.nih.gov/books/NBK585987/#!po=3.33333	978-0-6453320-8-7
5. Real, Helena and Rui Rosa Dias. "Portuguese Mediterranean Diet as a Future Trend for Healthy and Sustainable Restaurant Consumption: A Post-COVID-19 Perception." <i>Gastronomy, Hospitality, and the Future of the Restaurant Industry: Post-COVID-19 Perspectives</i> , edited by Ana Pinto Borges, et al., IGI Global, 2022, pp. 1-25. https://doi.org/10.4018/978-1-7998-9148-2.ch005	https://doi.org/10.4018/978-1-7998-9148-2.ch005	9781799891482
6. Ribeiro A.R., Maia A.S., Ribeiro C., Tiritan M.E. 2022. Chiral analysis with mass spectrometry detection in food and environmental chemistry". In: Mass spectrometry in Food and Environmental Chemistry. Picó Y., Campos J. (Eds). The Handbook of Environmental Chemistry 119.	https://doi.org/10.1007/978-3-031-19093-3	978-3-031-19092-6

7. Roque Bravo, R., Silva, J.P., Carmo, H., Carvalho, F., Dias da Silva, D. (2022). The Toll of Benzofurans in the Context of Drug Abuse. In: Patel, V.B., Preedy, V.R. (eds) Handbook of Substance Misuse and Addictions. Springer, Cham. https://doi.org/10.1007/978-3-030-67928-6_168-1
8. Silva, Eduarda M. P., Varandas, Pedro A. M. M. & Silva, Artur M. S. (2022) Chapter 17: 1,4-Diazepane Ring-Based Systems, Part IV. Synthetic methods for special compound classes in More Synthetic Approaches to Nonaromatic Nitrogen Heterocycles, Editor Phillips, Ana Maria M. M. F., (volume 1, pp. 559-584): Wiley & Sons. <https://doi.org/10.1002/9781119757153.ch17>

ARTIGOS EM REVISTAS CIENTÍFICAS

ARTIGOS EM REVISTAS CIENTÍFICAS

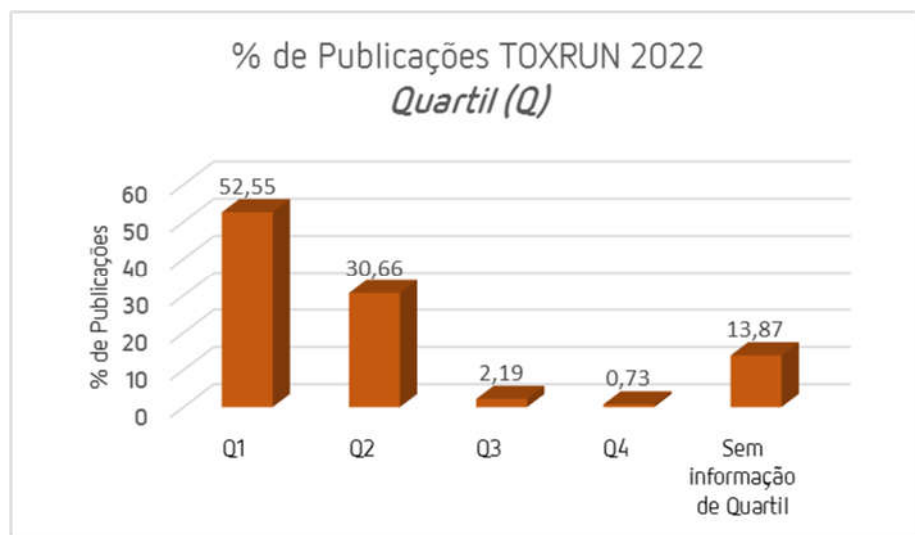


Figura 3. Percentagem de publicações TOXRUN por quartil (Q).

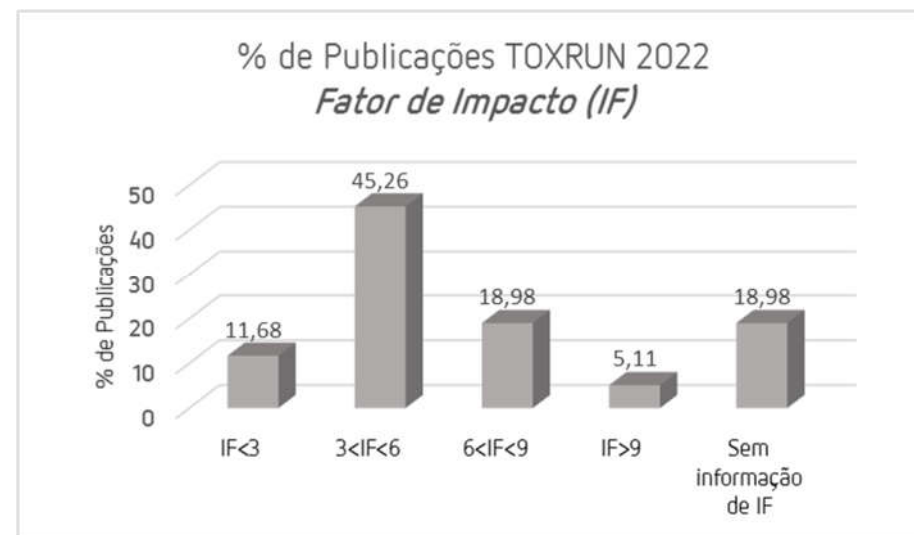


Figura 4. Percentagem de publicações TOXRUN por intervalos de Fator de Impacto (IF).

2022

Referência da publicação	Url (ou DOI)	Fator de Impacto	Quartil
1. Abedini, F.; Mohammadi, S.R.; Dahmardehei, M.; Ajami, M.; Salimi, M.; Khalandi, H.; Mohsenzadegan, M.; Seif, F.; Shirvan, B.N.; Yaalimadad, S.; Roudbary, M.; Rodrigues, C.F. Enhancing of Wound Healing in Burn Patients through Candida albicans β -Glucan. <i>J. Fungi</i> 2022, 8, 263. https://doi.org/10.3390/jof8030263	https://doi.org/10.3390/jof8030263	5.57	1
2. Afonso, I. M., Casal, S., Lopes, J. C., Domingues, J., Vale, A. P., Meira, M., . . . Brito, N. V. (2022). Chemical Composition of the "Galo de Barcelos" (Barcelos Rooster Raw Meat). <i>Animals</i> , 12(12).	Doi: 10.3390/ani12121556	3.231	1
3. Agonia AS, Palmeira-de-Oliveira A, Cardoso C, Augusto C, Pellevoisin C, Videau C, Dinis-Oliveira RJ, Palmeira-de-Oliveira R. Reconstructed Human Epidermis: An Alternative Approach for In Vitro Bioequivalence Testing of Topical Products. <i>Pharmaceutics</i> . 2022 Jul 26;14(8):1554. doi: 10.3390/pharmaceutics14081554. PMID: 35893811; PMCID: PMC9331624.	doi: 10.3390/pharmaceutics14081554	5.22	1
4. Almeida, D., Machado, D., Sousa, S., Seabra, C. L., Barbosa, J. C., Andrade, J. C., . . . Freitas, A. C. (2022). Effect of emulsification/internal gelation-based microencapsulation on the viability of <i>Akkermansia muciniphila</i> upon prolonged storage and simulated gastrointestinal passage. <i>Food Hydrocolloids for Health</i> , 2.	doi:10.1016/j.fhfh.2022.100084	NA	NA
5. Almeida-Bezerra, J. W., Bezerra, J. J. L., da Silva, V. B., Coutinho, H. D. M., da Costa, J. G. M., Cruz-Martins, N., . . . de Oliveira, A. F. M. (2022). <i>Caryocar coriaceum</i> Wittm. (Caryocaraceae): Botany, Ethnomedicinal Uses, Biological Activities, Phytochemistry, Extractivism and Conservation Needs. <i>Plants</i> , 11(13). doi:10.3390/plants11131685	doi:10.3390/plants11131685	4.66	1
6. Almeida-Nunes DL, Mendes-Frias A, Silvestre R, Dinis-Oliveira RJ, Ricardo S. Immune Tumor Microenvironment in Ovarian Cancer Ascites. <i>Int J Mol Sci</i> . 2022 Sep 14;23(18):10692. doi: 10.3390/ijms231810692. PMID: 36142615; PMCID: PMC9504085.	doi: 10.3390/ijms231810692	6.21	1
7. Alves, A. M. C. V., Cruz-Martins, N., & Rodrigues, C. F. (2022). Marine Compounds with Anti-Candida sp. Activity: A Promised "Land" for New Antifungals. <i>Journal of Fungi</i> , 8(7). doi:10.3390/jof8070669	doi:10.3390/jof8070669	5.72	1
8. Araújo C, Mendonça L, Gavina C, Carvalho DS, Pardal M, Taveira-Gomes T, Dinis-Oliveira RJ. 20 Years of real-world data to estimate chronic kidney disease prevalence and staging in an unselected population. <i>Clinical Kidney Journal</i> , 2022,	doi: 10.1093/ckj/sfac206	5.86	1

vol. 0, no. 0, 1–14. DOI: 10.1093/ckj/sfac206. <https://academic.oup.com/ckj/advance-article/doi/10.1093/ckj/sfac206/6696402>

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|-----|---|---|------|----|
| 9. | Azevedo C, Casal G, Soares EC, Oliveira E, Rocha S, Hine M, Silva TJ. Hemagglutination in gill capillaries of sheepshead, <i>Archosargus probatocephalus</i> (Perciformes: Sparidae), infected by a myxosporidean. <i>Rev Bras Parasitol Vet.</i> 2022; 31(1):e018121. doi: 10.1590/S1984-29612022001. | https://doi.org/10.1590/S1984-29612022001 | 1.42 | 2 |
| 10. | Azevedo, T., Ferreira, T., Ferreira, J., Teixeira, F., Ferreira, D., Silva-Reis, R., . . . Oliveira, P. A. (2022). Supplementation of an Anthocyanin-Rich Elderberry (<i>Sambucus nigra</i> L.) Extract in FVB/n Mice: A Healthier Alternative to Synthetic Colorants. <i>Applied Sciences</i> (Switzerland), 12(23). doi:10.3390/app122311928 | doi:10.3390/app122311928 | 2.84 | 2 |
| 11. | Barbosa AGR, Tintino CDMO, Pessoa RT, de Lacerda Neto LJ, Martins AOBPB, de Oliveira MRC, Coutinho HDM, Cruz-Martins N, Quintans Junior LJ, Wilairatana P, de Menezes IRA. Anti-inflammatory and antinociceptive effect of <i>Hyptis martiusii</i> BENTH leaves essential oil. <i>Biotechnol Rep (Amst).</i> 2022 Jul 23;35:e00756. doi: 10.1016/j.btre.2022.e00756. PMID: 35942239; PMCID: PMC9356156. | doi:
10.1016/j.btre.2022.e00756 | NA | NA |
| 12. | Barbosa DJ, Capela JP, Ferreira LM, Branco PS, Fernandes E, de Lourdes Bastos M, Carvalho F. Ecstasy metabolites and monoamine neurotransmitters upshift the Na ⁺ /K ⁺ ATPase activity in mouse brain synaptosomes. <i>Arch Toxicol.</i> 2022 Dec;96(12):3279-3290. doi: 10.1007/s00204-022-03370-7. | https://link.springer.com/article/10.1007/s00204-022-03370-7 | 6.17 | 1 |
| 13. | Barbosa, J. C., Almeida, D., Machado, D., Sousa, S., Freitas, A. C., Andrade, J. C., & Gomes, A. M. (2022). Spray-Drying Encapsulation of the Live Biotherapeutic Candidate <i>Akkermansia muciniphila</i> DSM 22959 to Survive Aerobic Storage. <i>Pharmaceuticals</i> , 15(5). doi:10.3390/ph15050628 | https://doi.org/10.3390/ph15050628 | 5.22 | 1 |
| 14. | Barroso, T.G.; Ribeiro, L.; Gregório, H.; Monteiro-Silva, F.; Neves dos Santos, F.; Martins, R.C. Point-of-Care Using Vis-NIR Spectroscopy for White Blood Cell Count Analysis. <i>Chemosensors</i> 2022, 10, 460. | https://doi.org/10.3390/chemosensors10110460 | 4.23 | 1 |
| 15. | Bego T, Meseldžić N, Prnjavorac B, Prnjavorac L, Marjanović D, Azevedo R, Pinto E, Duro M, Couto C, Almeida A. Association of trace element status in COVID-19 patients with disease severity. <i>J Trace Elem Med Biol.</i> 2022 Dec; 74:127055. doi: 10.1016/j.jtemb.2022.127055. | https://doi.org/10.1016/j.jtemb.2022.127055 | 4.00 | 2 |

- | | | | |
|---|---|-------|----|
| 16. Belloso Daza MV, Almeida-Santos AC, Novais C, Read A, Alves V, Cocconcelli PS, Freitas AR, Peixe L. Distinction between <i>Enterococcus faecium</i> and <i>Enterococcus lactis</i> by a gluP PCR-Based Assay for Accurate Identification and Diagnostics. <i>Microbiol Spectr</i> . 2022 Dec 1:e0326822. doi: 10.1128/spectrum.03268-22. | https://journals.asm.org/doi/10.1128/spectrum.03268-22 | 9.04 | 1 |
| 17. Braz-José C, Morais Caldas I, de Azevedo Á, Pereira ML. Stress, anxiety and depression in dental students: Impact of severe acute respiratory syndrome- coronavirus 2 pandemic. <i>Eur J Dent Educ</i> . 2022 Sep 29:10.1111/eje.12858. doi:10.1111/eje.12858. Epub ahead of print. PMID: 36176054; PMCID: PMC9538255. | doi:10.1111/eje.12858 | 2.53 | 2 |
| 18. Butnariu M, Quispe C, Koirala N, Khadka S, Salgado-Castillo CM, Akram M, Anum R, Yeskaliyeva B, Cruz-Martins N, Martorell M, Kumar M, Vasile Bagiu R, Abdull Razis AF, Sunusi U, Muhammad Kamal R, Sharifi-Rad J. Bioactive Effects of Curcumin in Human Immunodeficiency Virus Infection Along with the Most Effective Isolation Techniques and Type of Nanoformulations. <i>Int J Nanomedicine</i> . 2022 Aug 15;17:3619-3632. doi: 10.2147/IJN.S364501. PMID: 35996526; PMCID: PMC9391931. | doi: 10.2147/IJN.S364501 | 6.86 | 1 |
| 19. Caldas Morais Inês, Madureira-Carvalho Áurea and Pereira Lurdes Maria, Enamel Hypoplasia as a Marker for Sex Estimation: A Review, <i>Current Forensic Science</i> 2023; 1(1): e110422203406. https://dx.doi.org/10.2174/2666484401666220411124251 | https://dx.doi.org/10.2174/2666484401666220411124251 | NA | NA |
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PROJETOS DE INVESTIGAÇÃO

PROJETOS DE INVESTIGAÇÃO

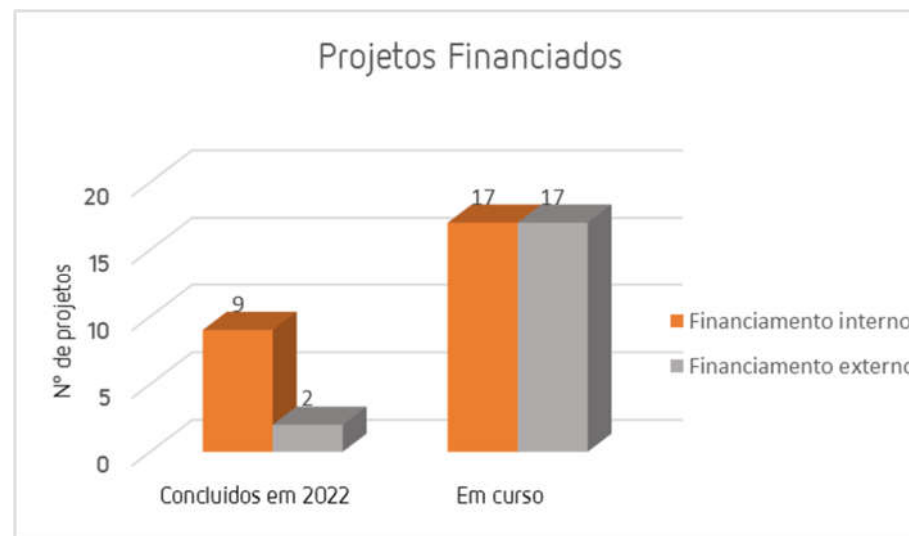


Figura 5. Projetos financiados.

PROJETOS CONCLUÍDOS em 2022

Com financiamento interno

- Project:** ActivCHIRAL_PI2RL_IINFACTS_2021: Antitumor and antimicrobial activities of chiral derivatives of xanthenes and flavonoids. | **PI:** Hassan Bousbaa | **Co-PI:** Paolo De Marco | **Project member:** Andrea Cunha, Carla Fernandes, Carlos Afonso, Cláudia Pinto, Fernanda Garcês, Patrícia Silva, Albina Resende, Eduarda Silva, Emília Sousa, Flávia Barbosa, Cristina Coelho, Honorina Cidade, Madalena Pinto, Elizabeth Tiritan, Júlio Souza, Marta Correia da Silva, Odília Queirós, Orquídea Santos, Pedro Novais, Virgínia Gonçalves | **Funding entity:** CESPU-IINFACTS | **Funding:** 9.000,00€ | **Period covered:** 2021-2022

2. **Project:** AntiCanPro_P12RL_IINFACTS_2021: Screening of anti-Candida activity by Lactic Acid bacteria from saliva samples of healthy subjects. | **PI:** José Carlos Andrade | **Co-PI:** Paulo Rompante | **Project member:** Célia Rodrigues, Paolo De Marco | **Funding entity:** CESPU-IINFACTS | **Funding:** 4.500,00€ | **Period covered:** 2021-2022
3. **Project:** CHIRALSINTESE_APSFCT_IINFACTS_2021: Chiral derivatives of xanthenes and flavonoids: an integrative strategy to discovery new drug candidates. | **PI:** Elizabeth Tiritan | **Co-PI:** -- | **Project member:** Andrea Cunha, Carla Fernandes, Carlos Afonso, Cláudia Pinto, Cláudia Ribeiro, Eduarda Silva, Emília Sousa, Flávia Barbosa, Helena Ferreira, Honorina Cidade, Madalena Pinto, Marta Correia da Silva, Odília Queirós, Paolo De Marco, Pedro Novais, Virgínia Gonçalves | **Funding entity:** CESPU-IINFACTS | **Funding:** 5.000,00€ | **Period covered:** 2021-2022
4. **Project:** GBM-Multi3D_P12RL_IINFACTS_2021: Glioblastoma Next Top Multi 3D Model for Anti-angiogenic Nanomedicines Efficacy Testing. | **PI:** Bruno Sarmiento | **Co-PI:** Joaquim Monteiro | **Project member:** Ana Baião, Ana Catarina Pacheco, Cláudia Martins, Flávia Castro, Flávia Sousa, Rui Moura | **Funding entity:** CESPU-IINFACTS | **Funding:** 9.000,00€ | **Period covered:** 2021-2022
5. **Project:** NeuroCompOpioid_P12RL_IINFACTS_2021: Study of the neurobehavioral toxicity induced by the exposure to atypical opioids and maintenance therapy. | **PI:** Juliana Faria | **Co-PI:** Ricardo Dinis | **Project member:** Fernanda Garcês, Maria Joana Barbosa, Sandra Leal | **Funding entity:** CESPU-IINFACTS | **Funding:** 9.000,00€ | **Period covered:** 2021-2022
6. **Project:** OrthoAlign_P12RL_IINFACTS_2021: Orthodontic Aligners: masticatory efficiency, dental movement predictability and esthetics. | **PI:** Teresa Pinho | **Co-PI:** Maria Manuela Leite | **Project member:** Aline Gonçalves, Ana Sofia Baptista, David Matos, Duarte Rocha, Maria Gonçalves, Maria Paço, Rui Azevedo, Selma Pascoal, Sofia Rosas, Vanessa Marcelino, Vera Almeida, Áurea Carvalho | **Funding entity:** CESPU-IINFACTS | **Funding:** 9.000,00€ | **Period covered:** 2021-2022
7. **Project:** PsiloPharma_P12RL_IINFACTS_2021: Psilocybin as a new alternative for the treatment of depression: unraveling the pharmacology, toxicokinetics and impact on the rat microbiome. | **PI:** Diana Dias da Silva | **Co-PI:** Áurea Carvalho | **Project member:** Ricardo Dinis, Andreia Costa, Nelson Mortágua, Sara Queirós | **Funding entity:** CESPU-IINFACTS | **Funding:** 9.000,00€ | **Period covered:** 2021-2022
8. **Project:** PSYONCODERM_P12RL_IINFACTS_2021: Psychosocial impact of adverse skin effects of anti-cancer treatment in oncologic patients. | **PI:** Ana Isabel Teixeira | **Co-PI:** Vera Almeida | **Project member:** Adriana Filipa Silva, Carmen Maribel Teixeira, Cátia Salomé da Cunha Daniela Pires, Isabel Almeida, Maria Bárbara Parente, Marta Silva Coelho, Sara Sequeira | **Funding entity:** CESPU-IINFACTS | **Funding:** 2.050,00€ | **Period covered:** 2021-2022

9. **Project:** AntiMitoSphere_APSFCT_IINFACTS_2021: Three-Dimensional Models of Cancer to Increase the Predictive Value of Preclinical Evaluation of Antimitotic Agents | **PI:** Hassan Bousbaa | **Co-PI:** -- | **Project member:** Patrícia Silva, Luís Monteiro, Bárbara Pinto, Mafalda Duarte, Ana Henriques, Pedro Novais | **Funding entity:** CESPU-IINFACTS | **Funding:** 5.000,00€ | **Period covered:** 2021-2022

Com financiamento externo

1. **Project:** PTDC/MEC-NEU/29468/2017: Estudo Clínico e genético das cefaleias primárias e suas comorbilidades mais relevantes | **Acronim:** TMD-Genetics | **PI:** José Pereira Monteiro (IBMC/i3S) | **Co-PI:** Teresa Pinho (IINFACTS/IBMC/i3S) | **Project Member:** Maria Paço, António Sequeiros, Miguel Ferreira, Joana Silva, Carolina Lemos, Alda Sousa, Isabel Alonso, Diana Santos, João Neto, Vera Almeida, José Carlos Ferreira, Rui Azevedo | **Principal contractor:** Instituto de Biologia Molecular e Celular - IBMC | **Participating organizations:** CESPU | **Funding entity:** FCT (02/SAICT/2017) | **Funding:** 230.429,00€ | **Period covered:** 2018 to 2022.
2. **Project:** PTDC/CTA-AMB/29173/2017: Mixtures of Environmental Carcinogens: a molecular approach to improve environmental risk assessment strategies | **Acronim:** PAHMIX | **PI:** Marta Martins (MARE/FCT-UNL) | **Co-PI:** Mário Diniz (UCIBIO/FCT-UNL) | **Project Members:** Pedro Costa, Maria Helena Costa, João Paulo Noronha, Jorge Arteaga, Diana Dias da Silva, Joana Pinto, Paula Guedes, Carla Martins | **Principal contractor:** NOVA.ID.FCT | **Participating organizations:** REQUIMTE | **Funding entity:** FCT (02/SAICT/2017) | **Funding:** 239.546,65€ | **Period covered:** 2018 to 2022.

PROJETOS EM CURSO em 2022

Com financiamento interno

1. **Project:** ADMT1PD_GI2-CESPU_2022 | **Title:** The association between type 1 diabetes mellitus and periodontal diseases. | **PI:** Marta Relvas | **Project member:** Marta Relvas, Filomena Salazar, Alexandra Viana da Costa, Ana Cristina Braga, Luís Monteiro, Paula Jarana, Ricardo Silvestre, Rosana Costa | **Funding entity:** CESPU-GI2 | **Funding:** 4800,00€ | **Period covered:** 01.09.2022 - 31.08.2023
2. **Project:** AEPIAPD_GI_GI2-CESPU_2022 | **Title:** Analysis of inflammatory mediators in the current classification of periodontal diseases: an extra panel os inflammatory activators. | **PI:** Alexandra Viana da Costa | **Project member:** Alexandra Costa, Ricardo Silvestre, Ana Frias, Maria Cristina Cabral, Maria Prazeres Gonçalves, Marta Relvas | **Funding entity:** CESPU-GI2 | **Funding:** 2000,00€ | **Period covered:** 01.09.2022 - 31.08.2023
3. **Project:** APPs4DERM_GI2-CESPU_2022 | **Title:** Assessment of acceptance and adoption of mobile applications (apps) by patients with dermatoses. | **PI:** Ana Isabel Pacheco Teixeira | **Project member:** Ana Isabel Pacheco Teixeira, Tiago Torres, Carmen Maribel Teixeira, Magarida Barbosa, Miguel Peixoto, Rui Moreira, Vera Almeida | **Funding entity:** CESPU-GI2 | **Funding:** 4500,00€ | **Period covered:** 01.09.2022 - 31.08.2023
4. **Project:** Care_4_E_GI2-CESPU_2022 | **Title:** Emotional Competences of the Informal Caregiver of the Person with Schizophrenia | **PI:** Ana Isabel Carvalho Teixeira | **Project member:** Ana Isabel Carvalho Teixeira, Ana Carolina Zanetti, Carmen Queirós, Clarisse Magalhães, Helena Coelho, Rui Jesus, Sara Lima | **Funding entity:** CESPU-GI2 | **Funding:** 4000,00€ | **Period covered:** 01.09.2022 - 31.08.2023
5. **Project:** CBToxAtOpi_GI2-CESPU_2022 | **Title:** Cognitive-behavioral toxicity of atypical opioids – a molecular, biochemical and histopathological approach. | **PI:** Maria Joana Barbosa | **Project member:** Maria Joana Barbosa, Juliana Faria, Cristiana Cardoso, Fernanda Garcez, Ricardo Dinis, Sandra Leal | **Funding entity:** CESPU-GI2 | **Funding:** 6000,00€ | **Period covered:** 01.09.2022 - 31.08.2023
6. **Project:** CoRECattle_GI2-CESPU_2022 | **Title:** Prevalence of colistin-resistant Enterobacteriaceae on intensive and non-intensive cattle production systems. | **PI:** Carla Miranda | **Project member:** Carla Miranda, Alexandre Vieira e Brito, Luís Pinho | **Funding entity:** CESPU-GI2 | **Funding:** 4500,00€ | **Period covered:** 01.09.2022 - 31.08.2023
7. **Project:** ESURVTBD_GI2-CESPU_2022 | **Title:** Surveillance of silent disseminators before zoonotic agents emergence: Portuguese autochthonous ruminant breeds and tick network. | **PI:** Patrícia Barradas | **Project member:** Patrícia Barradas, João Mesquita, Alexandra Vieira e Brito, Ana Catarina Tavares | **Funding entity:** CESPU-GI2 | **Funding:** 5000,00€ | **Period covered:** 01.09.2022 - 31.08.2023

8. **Project:** HideFlav4Tumor_GI2-CESPU_2022 | **Title:** Studies of molecular mechanisms of flavonoid derivatives with potential antitumor activity. | **PI:** Odília Queirós | **Project member:** Odília Queirós, Maria Elizabeth Tiritan, Ana Pereira, Andrea Cunha, Cláudia Pinto, Flávia Barbosa, Hassan Bousbaa, Honorina Cidade, João Silva, Patrícia Silva | **Funding entity:** CESPU-GI2 | **Funding:** 5500,00€ | **Period covered:** 01.09.2022 - 31.08.2023
9. **Project:** m_4Parents_GI2-CESPU_2022 | **Title:** Being Parents and Grandparents of children with cancer: mHealth for everyday support. | **PI:** Sara Lima | **Project member:** Sara Lima, Rosana Moyses, Ana Carvalho Teixeira, Blezi Sants, Carmen Queirós, Clarisse Magalhães, Francisca Pinto, Maria Raquel Esteves, Susana Moutinho | **Funding entity:** CESPU-GI2 | **Funding:** 4500,00€ | **Period covered:** 01.09.2022 - 31.08.2023
10. **Project:** Mddemy_GI2-CESPU_2022 | **Title:** Consequences of axonal demyelination for mitochondria biology. | **PI:** Daniel Barbosa | **Project member:** Daniel Barbosa, Renata Silva, Ana Rita Monteiro, Cátia Carvalho | **Funding entity:** CESPU-GI2 | **Funding:** 3000,00€ | **Period covered:** 01.09.2022 - 31.08.2023
11. **Project:** OVCARTEST_GI2-CESPU_2022 | **Title:** Ovarian Cancer Ascites-Derived Organoids as a Preclinical Platform to Predict Therapeutical Responses. | **PI:** Sara Ricardo | **Project member:** Sara Ricardo, Raquel Almeida, Diana Nunes, Mariana Nunes | **Funding entity:** CESPU-GI2 | **Funding:** 5500,00€ | **Period covered:** 01.09.2022 - 31.08.2023
12. **Project:** SALMYTH_GI2-CESPU_2022 | **Title:** Small scale autochthonous chicken productions - the salmonella myth. | **PI:** Nuno Vieira e Brito | **Project member:** Alexandre Vieira e Brito, Carla Miranda, Maria Vieira-Pinto, Sónia Batista, Teresa Mateus | **Funding entity:** CESPU-GI2 | **Funding:** 5000,00€ | **Period covered:** 01.09.2022 - 31.08.2023
13. **Project:** SGA4Cancer_GI2-CESPU_2022 | **Title:** The second-generation antimetabolites: a second chance? | **PI:** Hassan Bousbaa | **Project member:** Hassan Bousbaa, Patrícia Silva, Bárbara Pinto, João Silva, Mafalda Duarte, Pedro Novais | **Funding entity:** CESPU-GI2 | **Funding:** 5500,00€ | **Period covered:** 01.09.2022 - 31.08.2023
14. **Project:** SNPsCKD_GI2-CESPU_2022 | **Title:** Influence of genetic variants on inflammatory response and on mortality risk in chronic kidney disease patients. | **PI:** Susana Coimbra | **Project member:** Susana Coimbra, Alice Santos-Silva, Cristina Catarino, Elsa Rocha, Luís Belo, Susana Rocha | **Funding entity:** CESPU-GI2 | **Funding:** 5500,00€ | **Period covered:** 01.09.2022 - 31.08.2023
15. **Project:** SPAinT_GI2-CESPU_2022 | **Title:** Quantification of Pyrrolizidine Alkaloids in Infusions of Medicinal Plants and Food Supplements Available in the Portuguese Market. | **PI:** Sandra Leal | **Project member:** Sandra Leal, Cláudia Ribeiro, Inês Pádua, Ana Sousa, Virgínia Gonçalves | **Funding entity:** CESPU-GI2 | **Funding:** 4500,00€ | **Period covered:** 01.09.2022 - 31.08.2023
16. **Project:** XANTAAL_GI2-CESPU_2022 | **Title:** Xanthone-based fluorophores for the enantioselective recognition of D-amino acids in Alzheimer disease. | **PI:** Eduarda Silva | **Project member:** Eduarda Silva, Marcela Segundo, Andrea Cunha, Elizabeth Tiritan, Odília Queirós, Pedro Varandas, Virgínia Gonçalves | **Funding entity:** CESPU-GI2 | **Funding:** 5500,00€ | **Period covered:** 01.09.2022 - 31.08.2023

17. **Project:** upPTXovcar_GI2-CESPU_2022 | **Title:** Overcoming paclitaxel resistance in ovarian cancer. | **PI:** Patrícia Silva | **Project member:** Patrícia Silva, Hassan Bousbaa, Bárbara Pinto, João Silva, Mariana Nunes, Sara Ricardo | **Funding entity:** CESPU-GI2 | **Funding:** 5500,00€ | **Period covered:** 01.09.2022 - 31.08.2023

Com financiamento externo (FCT ou outra entidade)

1. **Project:** -- | **Title** VetPAT - Veterinary portable device for blood analysis based on Spectroscopy and Artificial Intelligence. | **PI:** Rui Costa Martins (INESCTEC) | **Project Member:** Teresa Barroso | **Funding entity:** - | **Period covered:** 2016 to present.
2. **Project:** -- | **Title:** Analysis of the influence of glycans and microelements, as potential new biomarkers, in assessing the severity of the clinical picture of COVID-19 patients. | **PI:** Agostinho Almeida | **Project Member:** Cristina Couto | **Funding entity:** Ministry for Science, Higher Education and Youth of Canton Sarajevo, Bosnia and Herzegovina. | **Period covered:** 03-09-2021 to 03-12-2022
3. **Project:** 09/C05-i03/2021 – PRR-C05-i03-I-000134 | **Title:** PhenoBot - Fotónica Inteligente para Fenotipagem de Culturas Agro-Alimentares. Bolsa de Iniciativas: PRR: 190 | **PI:** Rui Costa Martins (INESCTEC) | **Project Member:** Teresa Barroso | **Funding entity:** PRR/IFAP | **Period covered:** Outubro 2022 a Setembro 2025.
4. **Project:** 2020-1-CZ01-KA203-078218 [Erasmus+ Programme] | **Title:** Open Access Educational Materials on Naturally Occurring Molecules - Sources, Biological Activity and Use | **Acronim:** OEMONOM | **Project Member:** Diana Dias da Silva | **Funding Entity/Entidade Financiadora:** EU | **Funding:** 382.169,00€ | **Period covered:** 2019 to 2023.
5. **Project:** ADI 46078 | **Title:** Smart Farm 4.0 - Smart solutions for sustainable agriculture, predictive and autonomous. | **PI:** Filipe Santos (FEUP/ INESCTEC) | **Project Member:** Teresa Barroso | **Funding entity:** ADI | **Period covered:** Maio 2022 a Dezembro de 2022.
6. **Project:** EXPL/SAU-INF/0261/2021 | **Title:** Estudo das bacteriocinas em Enterococcus faecium de origem humana – a abrir caminho para terapias dirigidas contra infeções multirresistentes. | **PI:** Ana Raquel Freitas | **Funding entity:** FCT
7. **Project:** Fapergs 05/2019 | **Title:** PqG: Avaliação de mecanismos bioquímicos e moleculares relacionados a neurotoxicidade de inseticidas neonicotinoides e herbicidas utilizados no RS. | **Project Member:** Diana Dias da Silva | **Funding entity:** FAPERGS-Fundação de Amparo à Pesquisa do Estado do Rio Grande do Sul.
8. **Project:** Fapergs04/2019 | **Title:** Auxílio ARD: Avaliação da imunotoxicidade de herbicidas. | **Project Member:** Diana Dias da Silva | **Funding entity:** FAPERGS-Fundação de Amparo à Pesquisa do Estado do Rio Grande do Sul.

9. **Project:** H2020-WIDESPREAD-2020-5 | **Title:** PhasAGE - Excellence Hub on Phase Transitions in Aging and Age-Related Disorders | **PI:** Sandra Macedo-Ribeiro | **Project Member:** Daniel Barbosa | **Funding entity:** European Union (Horizon 2020 Research and Innovation Programme). | **Period covered:** 01-01-2021 to 31-12-2023
10. **Project:** HOPE | **Title:** Improving ovarian cancer patients survival. | **Project Member:** Sara Ricardo | **Funding entity:** IPATIMUP/Donation. | **Period covered:** 13-03-2018 to 12-03-2023
11. **Project:** MyNPK | **Title:** MyNPK - a system for high accuracy fertilizer quantification of nitrogen, phosphorous and potassium for precision hydroponics production (INESC TEC Internal Project) | **PI:** Rui Costa Martins (INESCTEC) | **Project Member:** Teresa Barroso | **Funding entity:** INESCTEC internal project | **Period covered:** Maio 2022 a Maio 2023.
12. **Project:** PTDC/ASP-HOR/1338/2021 | **Title:** OmicBots - High-Throughput Integrative Omic-Robots Platform for a Next Generation Physiology-based Precision Viticulture. | **PI:** Mário Cunha (FCUP/ INESCTEC) | **Project Member:** Teresa Barroso | **Funding entity:** FCT | **Period covered:** Maio 2022 a Maio 2024.
13. **Project:** PTDC/BIA-BMA/6363/2020 | **Title:** Myxosporea – life cycle and genomics of fish host recognition and invasion | **Acronim:** MyxOmics | **PI:** Sónia Rocha | **Co-PI:** Pedro Rodrigues | **Project Member:** Graça Casal | **Principal contractor:** I3S | **Participating:** CIIMAR, IPMA, I3S | **Funding entity:** FCT-Fundação para a Ciência e Tecnologia | **Funding:** 239.849,87€ | **Period covered:** 2021 to 2024.
14. **Project:** PTDC/BIA-CEL/1321/2021 | **Title:** Axonal transport regulation by motor-cargo adaptors. | **Project Member:** Daniel Barbosa | **Funding entity:** FCT.
15. **Project:** PTDC/CTA-AMB/0853/2021 | **Title:** Sustainable antifouling agents: from grape wastes to the sea with the green chemistry leading the way. | **Project Member:** Paolo De Marco, Maria Elizabeth Tiritan, Alexandra Maia, Virgínia Gonçalves | **Funding entity:** FCT (aprovado para financiamento, a iniciar em 2022).
16. **Project:** PTDC/CTA-AMB/0934/2021 | **Title:** Plastic removal and valorization of marine resources through new product development. | **Project Member:** José Carlos Andrade, Virgínia Gonçalves | **Funding entity:** FCT.
17. **Project:** PTDC/CTA-AMB/6686/2020 | **Title:** Enantioselective ecotoxicity and bioaccumulation of psychoactive substances | **Acronim:** ENANTIOTOX | **PI:** Cláudia Ribeiro | **Co-PI:** João Carrola | **Project Member:** Maria Elizabeth Tiritan, Virgínia Gonçalves, Alexandra Maia, Cristina Couto | **Principal contractor:** CESPU-IINFACETS | **Participating:** UTAD, FEUP, FFUP, UM | **Funding entity:** FCT-Fundação para a Ciência e Tecnologia | **Funding:** 249.802,50€ | **Period covered:** 2020 to 2024.