

**2023 RESEARCH OUTPUT** (indexed review, proceedings, book, book chapter, financed projects, Master and PhD supervision)

**Sedimentary Basins and Palaeontology (GEOBIOTEC\_NOVA)**

**Indexed review:**

Amaral, J.L., Solá, A.R., Bento dos Santos, T.M., Feitoza, L., Tassinari, C., Crispim, L., **Chichorro, M.**, Zieger-Hofmann, M., Gärtner, J., Linnemann, U., Gonçalves, J. The bimodal Fii-A2-type and calc-alkaline volcanic sequence of the Aljustrel brownfield region, Iberian Pyrite Belt, SW Iberian Massif. *Geochemistry*, 2023, 126049, ISSN 0009-2819, <https://doi.org/10.1016/j.chemer.2023.126049> **Q2**

Coimbra, R., **Moreno-Azanza, M.**, Ezquerro, L., Nuñez-Lahuerta, C., Gasca, J. M., Immenhauser, A., **Mateus, O.**, & Rocha, F. (2023). Evaluating and comparing geochemical sampling protocols in dinosaur eggshells: refining Cretaceous ecosystem research. *Cretaceous Research*, 151. <https://doi.org/10.1016/j.cretres.2023.105632> **Q1**

Conti, S.; Sala, G.; **Mateus, O.** Smart Biomechanical Adaptation Revealed by the Structure of Ostrich Limb Bones. *Biomimetics* 2023, 8, 98. <https://doi.org/10.3390/biomimetics8010098> **Q2**

**Crespo, V.D.** , Cruzado-Caballero, P. and Castillo, C., 2023. First afrosoricid out of Africa: an example of Pliocene 'tourism' in Europe, *Palaeoworld*, <https://doi.org/10.1016/j.palwor.2023.03.006> **Q1**

**Crespo, V. D., Ríos, M.,** Marquina-Blasco, R., & Montoya, P. (2023). They are all over the place! The exceptional high biodiversity of dormice in the Early Miocene of the Ribesalbes-Alcora Basin (Spain). *Geodiversitas*, 45(20), 589-641. **Q1**

**Crespo, V.D.** , Vasile, S., Petculescu, A., Ratoi, B. & Haiduc, B., 2023. The Early Pliocene small mammals (Eulipotyphla, Rodentia, Lagomorpha) from Berești and Mălușteni (eastern Romania): a fresh look at old collections. *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*, Cambridge University Press, 1–15. **Q2**

**Crespo, V.D., Ríos, M.,** Martín Arnal, F.A., Gamonal, A., Cruzado Caballero, P., González Dionis, J., Vlachos, E.; Guerrero Arenas, R.; Sánchez García, A. (2023). 3rd Palaeontological virtual congress: palaeontology in the virtual era. *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*. pp. 1 - 4. **Q2**

Daccak D., Lidon F.C., Coelho A.R.F., Luís I.C., Marques A.C., Pessoa C.C., Brito M.G., **Kullberg J.C.**, Ramalho J.C., Rodrigues A.P., Campos P.S., Pais I.P., Semedo J.M.N., Silva M.M., **Legoinha P.**, Galhano C., Simões M., Pessoa M.F. Reboredo F.H. (2023) Assessment of Physicochemical Parameters in Two Winegrapes Varieties after Foliar Application of ZnSO<sub>4</sub> and ZnO. *Plants*, 12, 1426, 1-15. <https://doi.org/10.3390/plants12071426> (Q1)

Daccak D., Luís I.C., Marques A.C., Pessoa C.C., Coelho A.R.F., Galhano C., Scotti-Campos P., Pais I.P., Ramalho J.C., Leitão A.E., Silva M.M., **Legoinha P.**, Simões M., Reboredo F.H., Lidon F.C. (2023) *Vitis vinifera* L. variety Syrah sprayed with ZnSO<sub>4</sub>: Effect on fruit quality and winemaking. *Emirates Journal of Food and Agriculture*, 35(11): 1-9. <https://doi.org/10.9755/ejfa.2023.3175>. (Q3)

Fernandes, A. E., Beccari, V., Kellner, A. W. A., & **Mateus, O.** (2023). A new gnathosaurine (Pterosauria, Archaeopteroidea) from the Late Jurassic of Portugal. *PeerJ*, 11. <https://doi.org/10.7717/peerj.16048> Q1

Filippo Maria Rotatori, Mattia Quaranta, Filippo Bertozzo, Tom Hübner, Bruno Camilo, **Octávio Mateus & Miguel Moreno-Azanza** (2023): Hadrosaur-like vascularisation in the dentary of an early diverging iguanodontian dinosaur, *Historical Biology*, <https://doi.org/10.1080/08912963.2023.2238727> Q1

Gil, T.; Teixeira, R.; Sousa, A.; d'Oliveira Palmeiro, M.A.; Cruz Coimbra de Matos, A.; Niza Costa, M.; Ferrer, M.V.; Rodrigues dos Santos, A.S.; **Sequero López, C.**; Rebelo Romão, I.; et al. (2023) Isolation and Characterization of Culturable Osmotolerant Microbiota in Hypersaline and Hypergypsic Soils as New Treatment for Osmotic Stress in Plants. *Soil Syst.* 7, 86. <https://doi.org/10.3390/soilsystems7040086> Q1

Goin, F., Vieytes, E., **Crespo, V.**, & Oliveira, É., 2023. †*Estelestes ensis* (Mammalia, Metatheria) from the early Eocene of Baja California (Mexico) as a generalized polydolopimorphian. *Journal of Paleontology*, 1-6. <https://doi.org/10.1017/jpa.2022.105> Q2

**Guillaume, A. R. D.**, Natário, C., **Mateus, O.**, & **Moreno-Azanza, M.** (2023). Plasticity in the morphology of the fused frontals of Albanerpetontidae (Lissamphibia; Allocaudata). *Historical Biology*, 35(4), 537–554. <https://doi.org/10.1080/08912963.2022.2054712> Q1

**Guillaume, A. R. D.**, **Mateus, O.**, & **Moreno-Azanza, M.** (2023). The Albanerpetontidae (Lissamphibia) from the Lourinhã Formation (Upper Jurassic, Portugal). *The Anatomical Record*, 306(S1), 116–118 Q2

Jiménez Hidalgo, E., Guerrero Arenas, R., **Crespo, V.D.** (2023). First galericine erinaceid (Mammalia: Eulipotyphla) from the early Oligocene of tropical North America. *Historical Biology*. 35 - 6, pp. 935 - 940. Taylor & Francis. Q1

**López-Rojas**, Víctor; Clemmensen, Lars B.; Milàn, Jesper; Wings, Oliver; Klein, Nicole; and **Mateus, Octávio**. (2022). A new phytosaur species (Archosauriformes) from the Upper Triassic of Jameson Land, central East Greenland. *Journal of Vertebrate Paleontology*, e2181086 (25 pages), <https://doi.org/10.1080/02724634.2023.2181086> **Q1**

Marques, A.C., Lidon F.C., Coelho A.R.F., Pessoa C.C., Daccak D., Luís I.C., Simões M., Scotti-Campos P., Almeida A.S., Guerra M., Leitão R.G., Bagulho A., Moreira J., Pessoa M.F., **Legoinha P.**, Ramalho J.C., Semedo J.M.N., Palha L., Silva C., Silva M.M., Oliveira K., Pais I.P., Reboredo F.H. (2023) Elemental Composition and Implications on Brown Rice Flour Biofortified with Selenium. *Plants*, 12: 1611. (DOI: 10.3390/plants12081611). <https://doi.org/10.3390/plants12081611>. (**Q1**)

Marquina-Blasco R., Fagoaga A., **Crespo V. D.**, Martínez-Ortí A., Bailon S., Sánchez-Marco A., Gracia-Monferrer D., de Santisteban C. & Ruiz-Sánchez F. J. 2023. — Squamates, rodents, and birds from Holocene deposits of the Illa Grossa Island (Columbretes Islands, Castellón, Spain): an unexpected diverse assemblage. *Comptes Rendus Palevol* 22 (18): 409-438. <https://doi.org/10.5852/cr-palevol2023v22a18> **Q2**

**Martino, R.**, Rook, L., **Mateus, O.** & Pandolfi, L. 2023. The Late Miocene hippopotamid, *Archaeopotamus pantanellii* nov. comb., from the Casino Basin (Tuscany, Italy): paleobiogeographic implications, *Historical Biology*, <https://doi.org/10.1080/08912963.2023.2194912> **Q1**

Niza Costa, M., Gil, T., Rodrigues dos Santos, A.S., Rebelo Romão, I., **Sequero López, C.**, Vilchez, J.I. (2023). Combined Use of a Bacterial Consortium and Early-Colonizing Plants as a Treatment for Soil Recovery after Fire: A Model Based on Los Guájaras (Granada, Spain) Wildfire. *Biology* 12, 1093. <https://doi.org/10.3390/biology12081093> **Q1**

Pandolfi, L., & **Martino, R.** (2023). Taxonomy and phylogeny of the smallest Miocene rhinocerotid *Parvorhinus* n. gen. (Mammalia, Rhinocerotidae). *Palaeoworld*. <https://doi.org/10.1016/j.palwor.2023.01.009> **Q2**

Pandolfi, L., **Martino, R.**, Belvedere, M., Martínez-Navarro, B., Medin, T., Libsekal, Y., & Rook, L. (in press). The latest Early Pleistocene hippopotami from the human-bearing locality of Buia (Eritrea). *Quaternary Science Reviews*. <https://doi.org/10.1016/j.quascirev.2023.108039> **Q1**

Pandolfi, L., **Martino, R.**, & Palombo, M. R. (2023). New insights on the fossil mammals from Casal de' Pazzi (Rome). *Journal of Mediterranean Earth Sciences*, 15. <https://doi.org/10.13133/2280-6148/18133> **Q3**

**Pereira, R.**, Gamboa, D. (2023). In situ carbon storage potential in a buried volcano. *Geology*; 51 (9): 803–807. doi: <https://doi.org/10.1130/G50965.1> **Q1**

Puértolas-Pascual, E., Kuzmin, I. T., Serrano-Martínez, A., & **Mateus, O.** (2023). Neuroanatomy of the crocodylomorph *Portugalosuchus azenhae* from the late cretaceous of Portugal. *Journal of Anatomy*, 242(6), 1146–1171. <https://doi.org/10.1111/JOA.13836> **Q1**

Rotatori, F. M., Quaranta, M., Bertozzo, F., Hübner, T., Camilo, B., **Mateus, O.**, & **Moreno-Azanza, M.** (2023). Hadrosaur-like vascularisation in the dentary of an early diverging iguanodontian dinosaur. *Historical Biology*. <https://doi.org/10.1080/08912963.2023.2238727> **Q1**

Simin Jin, David B.Kemp, Runsheng Yinb, Ruiyang Sun, Jun Shen, David W. Jolley, **Manuel Vieira**, Chunju Huang. 2023. Mercury isotope evidence for protracted North Atlantic magmatism during the Paleocene-Eocene Thermal Maximum. *Earth and Planetary Science Letters*, 602, 117926. <https://doi.org/10.1016/j.epsl.2022.117926> **Q1**

**Vieira, M.**, Zetter, R., Grímsson, F., Denk, T. 2023. Niche evolution versus niche conservatism and habitat loss determine persistence and extirpation in late Neogene European Fagaceae. *Quaternary Science Reviews*, 300, 107896. <https://doi.org/10.1016/j.quascirev.2022.107896> **Q1**

### **Proceedings & Abstracts**

Araújo, B., **Pereira, R.**, Duarte, J. and Mata, J. (2023). Resolving Late Cretaceous intra-plate magmatism emplacement models and plate motion on the West Iberian Margin. European Geoscience Union Meeting 2023, Vienna, Austria. <https://doi.org/10.5194/egusphere-egu23-711>

Bora Ağbulut, André Sanches, **Lígia Castro** & Manuel Vieira (2023). Machine learning applied to recognition of dinoflagellate cysts: type study with the species *Batioladinium longicornutum*. *Abstract Book “75<sup>th</sup> Geological Congress of Turkey – The role of geological resources in sustainable development”, Ankara (Turquia) de 10 a 14 Abril: p. 533 (ISBN 978-605-71611-5-4).*

B. Agbulut, A. Sanches, **M. Vieira** & **L. Castro** (2023). Aplicação de métodos Machine Learning no reconhecimento automático de dinoflagelados: caso de estudo para a espécie *Batioladinium longicornutum*. **Abstract Book “XI Congresso Nacional de Geologia”** em Coimbra, de 16 a 20 de Julho: 73-74.

B. Agbulut, **M. Vieira** & **L. Castro** (2023). Resultados preliminares de palinostratigrafia do Munk Marl Bed do Cretácico Inferior (Mar do Norte, Noruega). **Abstract Book “XI Congresso Nacional de Geologia”** em Coimbra, de 16 a 20 de Julho,, 75-76.

Araújo, B., **Pereira, R.**, Duarte, J. and Mata, J. (2023). Determining Late Cretaceous intra-plate magmatic emplacement models and plate motion of the West Iberian Margin. XI Congresso Nacional de Geologia: Geociências e Desafios Globais, *Livro de Resumos*, 237–238.

**Balbino, A. C.** (2023) - Chondrichthyes do Neogénico português. Comunicação da Classe de Ciências, Academia das Ciências de Lisboa. 1 de Junho 2023.

**L. Castro** & P. Callapez (2023). Quistos de dinoflagelados do Cenomaniano da Nazaré: lista taxonómica atualizada e contexto na Plataforma Carbonatada Ocidental Portuguesa. **Abstract Book “XI Congresso Nacional de Geologia”** em Coimbra, de 16 a 20 de Julho: 81-82.

**Crespo, V. D., Sequero López, C., Rios, M., Estraviz López, D., Gamonal, A., Martino, R., Riccetto, M., Callapez, P., Legoinha, P., & Mateus, O.** (2023). Revisiting the classical small mammal assemblage from the Eocene site of Silveirinha: a fresh look at old collections. XI Congresso Nacional de Geologia: Geociências e Desafios Globais, *Livro de Resumos*, 85–86.

Conti, S., Masarati, P., Tschopp, E., Zanoni, A., **Mateus, O.**, & Sala, G. (2023). How to simulate soft tissues in extinct animals. Using sauropod dinosaurs as a case study. *ECCOMAS Thematic Conference on Multibody Dynamics*.

Darja Dankina; Victor Carvalho; Bruno Camilo Silva; Bruno Costa; **Ausenda Balbino** & Pedro Fialho. (2023) - Preliminary palaeontological investigation based on fossil finds from Praia da Foz do Sizandro of Lusitanian Basin in Portugal. 3rd Virtual Conference for Women Archaeologists and Paleontologists. *Abstract book* <http://hdl.handle.net/10174/36252>

**Domingos, R.**, Correia, P., Callapez, P., **Legoinha, P.** (2023). Estado da arte sobre os corais pleurodictiformes (Anthozoa, Tabulata) do Devónico de Portugal. XI Congresso Nacional de Geologia: Geociências e Desafios Globais, *Livro de Resumos*, 87–88.

**Estraviz-López, D.**; Duraud, A.; **Mateus, O.**; Grandal-d’Anglade, A.; 2023. WESTERN BEARS: THE LATE PLEISTOCENE FOSSIL URSIDAE FROM PORTUGAL (IBERIAN PENINSULA) In: Alba, D.M., Marigo, J., Nacarino-Meneses, C., Villa, A. (Eds.), Book of Abstracts of the 20<sup>th</sup> Annual Conference of the European Association of Vertebrate Palaeontologists, 26th June-1st July 2023. *Palaeovertebrata*, Special Volume 1-2023: 22. DOI: 10.18563/pv.eavp2023

**Estraviz-López, D.**; Nabais, M.; & Zilhão, J. (2023). THE PLEISTOCENE BEAR FOSSILS FROM GRUTA DA OLIVEIRA (TORRES NOVAS, PORTUGAL. In Ros-Franch et al. (Eds.), Libro de Resúmenes de las XXXVIII Jornadas SEP. *Palaeontological publications*, 4, 27.

**Estraviz-López, D.; Crespo, V. D.; Ríos, M.; Martino, R.;** Grandal-d'Anglade, A. (2023). THE EARLY PLEISTOCENE FAUNA OF PORTUGAL: AN UPDATED OVERVIEW. In Vlachos, E. Crespo V. D. , Ríos Ibañez M., Arnal F. A. M., Gamonal A., Cruzado-Caballero, P., González-Dionis, J., Guerrero-Arenas R., and Sánchez-García, A. (eds) (2023) *Book of Abstracts of the 4th Palaeontological Virtual Congress*, 378 pp.

Gamboa, D. and **Pereira, R.** (2023). Assessing permanent CO2 storage volume in a buried volcano offshore West Iberia. EGU, Vienna, Austria. <https://doi.org/10.5194/egusphere-egu23-5973>

Jacobs, L. L., Polcyn, M. J., **Mateus, O.**, & Schulp, A. S. (2023). Deep time conservation paleobiology of the Atlantic jigsaw puzzle and the future of the southwestern Angolan coast. *Bulletin of the Florida Museum of Natural History*, 60(2), 90.

**J.C. Kullberg**, M.T. Caetano, **L. Castro** & A. Santos (2023). Espaço Geológico e Geomorfológico Virtual associado à Paisagem Cultural de Sintra (UNESCO). **Abstract Book “XI Congresso Nacional de Geologia”** em Coimbra, de 16 a 20 de Julho, 639-640.

Lohmann, P.M., **Ibàñez, M.R., Castro, L.** & Mothé, D. (2023). Neogene *Gomphotherium* Eurotrip: a morphological dental comparison Journey throughout Europe. **Abstract Book, “XXXVIII Jornadas de la Sociedad Española de Paleontología (SEP)”**, em Valência, de 4 a 7 de Outubro: p.160.

Matias, H. and **Pereira, R.** (2023). Paradigms and challenges of CO2 geostorage in the Portuguese Atlantic margin: implications on the deepwater sedimentary systems. Mixed/Hybrid Systems (Turbidite, MTDs and Contourites) on Continental Margins. AAPG Europe Conference, Lisbon, Portugal.

Madurell Malapeira, J.; Martínez-Navarro, B.; Bartolini-Lucenti, S.; Rufí Casals, I.; Sorbelli, L.; Prat-Vericat, M.; Espigares, M.; Ros-Montoya, S.; Fidalgo, D.; **Estraviz-López, D.**; Tura-Poch, C.; Vizcaíno-Varo, V.; Palmqvist, P. (2023). An updated review on the Plio-Pleistocene large mammal assemblages from the Iberian Peninsula. *Book of abstracts of INQUA 2023*.

**Pereira, B.C.**, Pimentel, N., Reis Silva, M. (2023). Two New Tools to Promote Geosites in The Oeste Aspiring Geopark (Portugal). Conference Proceedings of the 10th International Conference on Geoparks, in Marrakech, p. 325.

**Pereira, B.C.**, Reis Silva, M., Pimentel, N. (2023). Inclusive Interpretive Panels, Including Visual Impairment Informations, at The Oeste Aspiring Geopark (Portugal). Conference Proceedings of the 10th International Conference on Geoparks, in Marrakech, p. 326.

**Pereira, B.C.**, Reis Silva, M., Pimentel, N. (2023). Geodocs – A Cultural Heritage Conservation and Educational Instrument in the Oeste Aspiring Geopark (Portugal). Conference Proceedings of the 10th International Conference on Geoparks, in Marrakech, p. 327.

**Pereira, R.**, Escada, C., Represas, P., Mata, J., Rosas, F. and Ramalho, R. (2023). Late Cretaceous magmatism offshore the central West Iberian Margin. XI Congresso Nacional de Geologia: Geociências e Desafios Globais, *Livro de Resumos*, 227–228.

**Pereira, R.**, Escada, C., Represas, P., Ramalho, R., Mata, J. and Rosas, F. (2023). Late Cretaceous post-rift magma emplacement offshore the West Iberian Margin. EGU, Vienna, Austria. <https://doi.org/10.5194/egusphere-egu23-3483>

**Pereira, R.** and Gamboa, D. (2023). Permanent carbon storage potential in the Fontanelas Late Cretaceous volcano: a template for global application. XI Congresso Nacional de Geologia: Geociências e Desafios Globais, *Livro de Resumos*, 409–410.

**Pereira, R.**, **Mateus, O.**, Guillaume, A. and **Moreno-Azanza, M.** (2023). New occurrence of late Kimmeridgian charophytes from the vertebrate beds of Valmitão (Lourinhã region, Lusitanian Basin, Portugal). XI Congresso Nacional de Geologia: Geociências e Desafios Globais, *Livro de Resumos*, 119–120.

Pimentel, N., **Pereira, B.C.**, Reis Silva, M. (2023). Training Local Geoguides to Improve Sustainable Tourism at the Oeste Aspiring Geopark (Portugal). Conference Proceedings of the 10th International Conference on Geoparks, in Marrakech, p. 330.

Priscila M. Lohmann, **María Ríos, Lúcia Castro**, Dimila Mothé. New dental remains of Gomphotherium sp. from the Middle Miocene of the Lower Tagus Basin, Lisbon, Portugal. XXI EJIP 6th IMERP, Lourinhã (Portugal), 11th-15th April 2023, p.66.

Roberto P. da Silva; Bruno Camilo Silva; **Ausenda C. Balbino**; Pedro Barrulas; Mafalda Costa; Carlos Ribeiro (2023) - Observação dos processos diagenéticos em dentes de saurópodes: métodos geoquímicos que aperfeiçoam estudos isotópicos em Paleontologia. XI Congresso Nacional de Geologia 2023 (julho, Coimbra). Livro de Resumo, pp. 137-138; I.S.B.N.: 978-989-98914-8-7

Reis Silva, M., **Pereira, B.C.**, Serra, J. (2023). An Interpretation Centre for the Oeste Aspiring Geopark (Portugal) – Concept and Contents. Conference Proceedings of the 10th International Conference on Geoparks, in Marrakech, p. 329.

Russo, J., & **Mateus, O.** (2023). Review of *Dracopelta Zbyszewskii*, an Ankylosaur from the Upper Jurassic of Portugal. *Anatomical Record*, 221–223.

Sánchez García, A., **Ríos, M.**, Martín Arnal, F.A., Gamonal, A., Cruzado Caballero, P., González Dionis, J., Vlachos, E., Guerrero Arenas, R., **Crespo, V.D.** 2023. The 4th

Palaeontological Virtual Congress. Palaeoentomology. 6 - 1, pp. 1 - 2.  
<https://doi.org/10.11646/palaeoentomology.6.1.1>

Santos, A.A.; Diez, J.B.; Dunlop, J.; Hernández-Orúe, A.; Fernández-Oviedo, J.D.; **Castro, L.**; Nel, A.; Peñalver, E.; Schneider, J.; Selden, P. & Wappler, T. (2023). Late Carboniferous Ecosystems in the NW Iberian Peninsula: Plants, Arthropods, and Plant-Arthropod Interactions. **Abstract Book, “XXXVIII Jornadas de la Sociedad Española de Paleontología (SEP)”** em Valência, de 4 a 7 de Outubro: p. 104.

Santos, L., **Legoinha, P.**, Callapez, P. (2023). Foraminíferos miocénicos de Porto Santo (Madeira, Portugal). XI Congresso Nacional de Geologia: Geociências e Desafios Globais, *Livro de Resumos*, 135–136.

Shahzad, Y., **Pereira, R.**, Pereira, I. and Reis, R.P.d. (2023). Play-Based Exploration of unconventional gas in the pre-Deccan Cretaceous sequence of the offshore Indus Basin, Pakistan. XI Congresso Nacional de Geologia: Geociências e Desafios Globais, *Livro de Resumos*, 205–206.

#### Book

**Estraviz-López, D., Guillaume, A. R. D., Saleiro de Sousa Barros, A., Martino, R., Ribeiro, C., Costa, F., López-Rojas, V., Russo, J., Rotatori, F. M., Pratas e Sousa, J., Conti, S., Riccetto, M., Maréchal, A.** (Eds.) (2023). Abstracts book of XXI EJIP / 6th IMERP. *Palaeontological publications*, 3, 114 pp.

Vlachos, E., **Crespo, V.D., Ríos, M.**, Martín Arnal, F.A., Gamonal, A., Cruzado Caballero, P., González Dionis, J., Guerrero Arenas, R., Sánchez García, A. 2023. 4th Palaeontological Virtual Congress Book of Abstracts. Palaeontology in the virtual era. pp. 1 - 378. 17/05/2023. ISBN 978-84-09-51470-0

#### Book chapter

(none)

#### Financed projects

**ESA – EcoSystemAdapt (jul. 2022-dez. 2023)**: Ferramenta de gestão dos ecossistemas Agroflorestais suportada por tecnologias digitais. [Projeto 2021-REACT-13 / Programa COMPETE 2020. Instituições participantes: FCT/UNL – Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa, Portugal; ISA/UL – Instituto Superior de Agronomia da Universidade de Lisboa, Portugal; ANSUB - Associação de Produtores Florestais do Vale do



Sado; ACHAR-Associação de Agricultores de Charneca]. Código do Projeto: POCI-07-62G4-FEDER-181618 [Orçamento total do projeto: 977.780,32 €. <https://achar.pt/wp-content/uploads/2022/12/Ficha-REACT-EU.pdf> julho de 2022 a dezembro de 2023 (**J.C. Kullberg** and **P. Legoinha**)

**LRP- Lothagam Research Project (2022-2024):** Within the Turkana Miocene Project (National Science Foundation). Turkana Basin Institute. Principal Investigator: John Rowan. Funding: \$158,235. (**María Ríos**, , investigadora Geobiotec)

**PTDC/CTA-PAL/2217/2021-2023:** Modeling the role of Iberia in Mesozoic tetrapod paleobiogeography. Fundação para a Ciência e Tecnologia. Principal Investigator: **Miguel Moreno Azanza**. Co-Investigator: **J.C. Kullberg**. Funding: €249,478.5. (**María Ríos**)

**EXPL/CTA-PAL/0832/2021-2023:** Seasonal cyclicity and high-resolution paleoenvironmental reconstruction of the Miocene of Portugal unlocked by trace elements and stable isotopes in modern and fossil proboscideans. Project Acronym: ElephanPT. Earth Sciences and Engineering Panel. Principal Investigator: **María Ríos Ibáñez**. Co-Investigator: Niels de Winter. Funding: €40,000.

**Vicerrectorado de Calidad. Proyectos de Innovación 2022-2023:** Innova-Docencia Proyecto N° 137: Los yacimientos paleontológicos como recurso didáctico en el ámbito de las Ciencias de la Naturaleza. Facultad de Educación-Centro de Formación del Profesorado. Didáctica de las Ciencias Experimentales, Sociales y Matemáticas. Principal Investigator: Blanca García-Yelo. (**María-Ríos**).

**Master supervision** (concluded and defence in 2023)

Agbulut, B. (2023). Palynostratigraphy of the Early Cretaceous (Hauterivian-Barremian) Munk Marl of the North Sea. Universidade Nova de Lisboa (supervisors: **Lígia Castro** e **Manuel Vieira**).

Araújo, B. (2023). Modelling emplacement of magmatism on the Iberia microplate during the Late Cretaceous. Departamento de Geologia, Universidade de Lisboa (supervisors: João Duarte e **Ricardo Pereira**).

Burigo, A. (2023). Re-description of the theropod dinosaur *Allosaurus europaeus* and systematics of the genus. Universidade Nova de Lisboa (supervisor: **Octávio Mateus**).

**PhD supervision** (concluded and defence in 2023)

(none).