

2021 |

Baptista L, Santos AM, Melo, CS, Rebelo AC, Madeira P, Cordeiro R, Botelho AZ, Hipólito A, Pombo J, Voelker AHL, Ávila SP. (2021) Untangling the origin of the newcomer *Phorcus sauciatatus* (Mollusca: Gastropoda) in a remote Atlantic archipelago. *Mar Biol* 168, 9. <https://doi.org/10.1007/s00227-020-03808-5>

Dávid Á, Uchman A, Ramalho SR, Madeira J, Melo CS, Madeira P, Rebelo AC, Berning B, Johnson ME, Ávila SP. (2021) Diverse bioerosion structures in lower Pliocene deposits from a volcanic oceanic island: Baía de Nossa Senhora section, Santa Maria Island, Azores (central North Atlantic), *Palaeogeography, Palaeoclimatology, Palaeoecology*, Volume 569, 2021, 110284, ISSN 0031-0182, <https://doi.org/10.1016/j.palaeo.2021.110284>

Fernandes C, Martins L, Teixeira M, Blom J, Pothier JF, Fonseca NA, Tavares F. (2021) Comparative Genomics of *Xanthomonas euroxantha* and *Xanthomonas arboricola* pv. *juglandis* Strains Isolated from a Single Walnut Host Tree. *Microorganisms*, 9, 624. <https://doi.org/10.3390/microorganisms9030624>

Gonçalves AMM, Rocha CP, Marques JC, Gonçalves FJM. (2021) Enzymes as useful biomarkers to assess the response of freshwater communities to pesticide exposure – A review, *Ecological Indicators*, Volume 122, 2021, 107303, ISSN 1470-160X, <https://doi.org/10.1016/j.ecolind.2020.107303>

Gonçalves AMM, Rocha CP, Marques JC, Gonçalves FJM. (2021) Fatty acids as suitable biomarkers to assess pesticide impacts in freshwater biological scales – A review, *Ecological Indicators*, Volume 122, 107299, ISSN 1470-160X, <https://doi.org/10.1016/j.ecolind.2020.107299>

Hyžný M, Melo CS, Ramalho RS, Cordeiro R, Madeira P, Baptista L, Rebelo AC, Gómez C, Uchman A, Johnson ME, Berning B, Ávila SP. (2021) Pliocene and late Pleistocene (MIS 5e) decapod crustaceans from Santa Maria Island (Azores Archipelago: Central Atlantic): systematics, palaeoecology and palaeobiogeography. *J. Quaternary Sci*, 36: 91-109. <https://doi.org/10.1002/jqs.3261>

Jorge C, Silva JMN, Boavida-Portugal J, Soares C, Cerasoli, S. (2021) Using Digital Photography to Track Understory Phenology in Mediterranean Cork Oak Woodlands. *Remote Sens*. 2021, 13, 776. <https://doi.org/10.3390/rs13040776>

Lomartire S, Marques JC, Gonçalves AMM. (2021) Biomarkers based tools to assess environmental and chemical stressors in aquatic systems. *Ecological Indicators*, 122, 107207, ISSN 1470-160X, <https://doi.org/10.1016/j.ecolind.2020.107207>

Mata VA, Ferreira S, Campos RM, Silva LP, Veríssimo J, Corley MFV, Beja P. (2021) Efficient assessment of nocturnal flying insect communities by combining automatic light traps and DNA metabarcoding. *Environmental DNA*, 3: 398– 408. <https://doi.org/10.1002/edn3.125>

Picanço A, Arroz A, Amorim I, Matos S, Gabriel R. (2021) Teachers' perspectives and practices on biodiversity web portals as an opportunity to reconnect education with nature. *Environmental Conservation*, 48(1), 25-32. doi:10.1017/S0376892920000405

Rebello A, Johnson ME, Rasser MW, Silva L, Melo, CS, Ávila SP. (2021). Global biodiversity and biogeography of rhodolith-forming species. *Frontiers of Biogeography*, 13(1). <http://dx.doi.org/10.21425/F5FBG50646>

Regos A, Arenas-Castro S, Tapia L, Domínguez J, P. Honrado J. (2021) Using remotely sensed indicators of primary productivity to improve prioritization of conservation areas for top redators, *Ecological Indicators*, Volume 125, 107503, ISSN 1470-160X. <https://doi.org/10.1016/j.ecolind.2021.107503>

Silva DCC, Neto JM, Nunes C, Gonçalves FJM, Coimbra MA, Marques JC, Gonçalves AMM. (2021) Assessment of seasonal and spatial variations in the nutritional content of six edible marine bivalve species by the response of a set of integrated biomarkers. *Ecological Indicators*, 124, 107378. <https://doi.org/10.1016/j.ecolind.2021.107378>

Soares AO, Calado HR, Franco JC, Aguiar AF, Zina V, Ameixa OMCC, Borges I, Magro A. (accepted). An annotated checklist of ladybeetle species (Coleoptera: Coccinellidae) of Portugal, including the Azores and Madeira Archipelagos. *Zookeys*

2020 |

Ávila S, Azevedo J, Madeira P, Cordeiro R, Melo C, Baptista L, Torres P, Johnson ME, Vullo R. (2020) Pliocene and Late Pleistocene actinopterygian fishes from Santa Maria Island, Azores (NE Atlantic Ocean): Palaeoecological and palaeobiogeographical implications. *Geological Magazine*, 157(9), 1526-1542. doi:10.1017/S0016756820000035

Bonneville L, Ortiz S, Maia V, Brito L, Martínez-Suárez JV. (2020) Strain and Growth Conditions may Regulate Resistance of *Listeria monocytogenes* Biofilms to Benzalkonium Chloride. *Appl. Sci.*, 10, 988. <https://doi.org/10.3390/app10030988>

Borges PAV, Rigal F, Ros-Prieto A, Cardoso P. (2020) Increase of insular exotic arthropod diversity is a fundamental dimension of the current biodiversity crisis. *Insect Conserv Divers*, 13: 508-518. <https://doi.org/10.1111/icad.12431>

Chandra M, Mota M, Silva AC, Malfeito-Ferreira M. (2020) Forest oak woodlands and fruit tree soils are reservoirs of wine-related yeast species. *American Journal of Enology and Viticulture*, 71(3), 191-197. doi:10.5344/ajev.2020.19067

Corley MFV, Rosete J, Ferreira S. (2020) *Mondeguina*, a new genus for *Apatetris mediterranea* Nel & Varenne, 2012, with description of a new species from Portugal (Lepidoptera, Gelechiidae). *Nota Lepidopterologica*, 43: 151-166. <https://doi.org/10.3897/nl.43.50430>

Heuschmidt F, Gómez-Candón D, Soares C, Cerasoli S, Silva JMN. (2020) Cork oak woodland land-cover types classification: a comparison between UAV sensed imagery and field survey, *International Journal of Remote Sensing*, 41:19, 7649-7659, DOI: 10.1080/2150704X.2020.1767822

Gonçalves E, Carrasquinho I, Martins A. (2020) A measure to evaluate the sensitivity to genotype-by-environment interaction in grapevine clones. *Australian Journal of Grape and Wine Research* 26, 259–270. <https://doi.org/10.1111/ajgw.12432>

Meneghesso C, Seabra R, Broitman BR, Wetthey DS, Burrows MT, Chan BKK, Guy-Haim T, Ribeiro PA, Rilov G, Santos AM, Sousa LL, Lima FP. (2020) Remotely-sensed L4 SST underestimates the thermal fingerprint of coastal upwelling, *Remote Sensing of Environment*, Volume 237, 111588, ISSN 0034-4257, <https://doi.org/10.1016/j.rse.2019.111588>

Pinto L, Baruzzi F, Cocolin L, Malfeito-Ferreira M. (2020) Emerging technologies to control *Brettanomyces* spp. in wine: Recent advances and future trends. *Trends in Food Science and Technology*, 99, 88-100. <https://doi.org/10.1016/j.tifs.2020.02.013>

Ramos MJN, Coito JL, Faísca-Silva D, Cunha J, Costa MMR, Amâncio S, Rocheta M. (2020) Portuguese wild grapevine genome re-sequencing (*Vitis vinifera sylvestris*). *Sci Rep* 10, 18993. <https://doi.org/10.1038/s41598-020-76012-6>

Regos A, Gómez-Rodríguez P, Arenas-Castro S, Tapia L, Vidal M, Domínguez J. Model-Assisted Bird Monitoring Based on Remotely Sensed Ecosystem Functioning and Atlas Data. *Remote Sensing*. 2020; 12(16):2549. <https://doi.org/10.3390/rs12162549>

Salamandane A, Silva AC, Brito L, Malfeito-Ferreira M. (2020) Microbiological assessment of street foods at the point of sale in Maputo (Mozambique), *Food Quality and Safety*, Volume 5, 2021, fyaa030, <https://doi.org/10.1093/fqsafe/fyaa030>

Teixeira M, Martins L, Fernandes C, Chaves C, Pinto J, Tavares F, Fonseca NA. (2020) Complete genome sequences of walnut associated *Xanthomonas euroxanthea* strains CPBF 367 and CPBF 426 obtained by Illumina/ Nanopore hybrid assembly. *Microbiol Resource Announcement*, 9:e00902-20. <https://doi.org/10.1128/MRA.00902-20>

Salgueiro V, Cerqueira M, Monteiro A, Alves C, Rafael S, Borrego C, Pio C. (2020) Annual and seasonal variability of greenhouse gases fluxes over coastal urban and suburban areas in Portugal: Measurements and source partitioning, *Atmospheric Environment*, Volume 223, , 117204, ISSN 1352-2310, <https://doi.org/10.1016/j.atmosenv.2019.117204>

2019 |

Almeida AJ, Alves MJ. (2019) Fishes of São Tomé – Results of the expeditions of Fernando Frade (1954) and Fernando Correia da Costa (1955). *Cybium* 43(3): 265-273 <https://doi.org/10.26028/cybium/2019-433-007>

Ameixa OMCC, Šipoš J, Burda M, Soares AMVM, Soares AO. (2019) Factors influencing the introduction and spread of *Harmonia axyridis* in the Iberian Peninsula. *Biological Invasions*, 21 (2): 323-331. DOI: <https://doi.org/10.1007/s10530-018-1841-x>

Baptista L, Santos AM, Cabezas MP, Cordeiro R, Melo C, Ávila SP. (2019) Intertidal vs. subtidal/circalittoral species: who appeared first? A phylogenetic approach to the evolution of non-planktotrophic species in Atlantic Archipelagos. *Marine Biology*, 166(88), 1-16. DOI:10.1007/s00227-019-3536-y

Barroso I, Maia V, Cabrita P, Martínez-Suárez JV, Brito L. (2019) The benzalkonium chloride resistant or sensitive phenotype of *Listeria monocytogenes* planktonic cells did not dictate the susceptibility of its biofilm counterparts. *Food Research International*, 123:373-382, <https://doi.org/10.1016/j.foodres.2019.05.008>

Chefaoui RM, Chozas S. (2019) Abandonment of traditional saltworks facilitates degradation of halophytic plant communities and *Carpobrotus edulis* invasion. *Applied Vegetation Science*, 22(3), 444-543. <https://doi.org/10.1111/avsc.12436>

Cordeiro R, Bagaço L, Santos MA, Ávila SP. (2019) First record of *Nereiphylla paretii* (Polychaeta: Phyllodocidae) in the Azores, with a compiled list of the shallow-water marine polychaetes from the archipelago. *Cahiers de Biologie Marine*, 60(1), 69-79. DOI:10.21411/CBM.A. <http://application.sb-roscoff.fr/cbm/article.htm;jsessionid=565A41234311031FB9E2C81B93C664BA?execution=e1s1>

Corley MFV, Ferreira S, Mata, VA. (2019) *Ypsolopha rhinolophi* sp. nov. (Lepidoptera: Ypsolophidae), a new species from Portugal and France unveiled by bats. *Zootaxa*. 4609 (3): 565–573, <https://biotaxa.org/Zootaxa/article/view/zootaxa.4609.3.10>

Corley MFV, Ferreira S. (2019) A taxonomic revision of the Western Palaearctic genus *Cacochroa* Heinemann, 1870 (Lepidoptera, Depressariidae, Cryptolechiinae) with description of a new genus and a new species. *Zootaxa* 4683 (2): 197–214. <https://doi.org/10.11646/zootaxa.4683.2.2>

Corley MFV, Nunes J, Rosete J, Ferreira S. (2019) New and interesting Portuguese Lepidoptera records from 2018 (Insecta: Lepidoptera). *SHILAP Revta. lepid.*, 47 (188) diciembre 2019: 611-630, eISSN: 2340-4078 ISSN: 0300-5267

Freitas R, Romeiras M, Silva L, Cordeiro R, Madeira P, González JA, Wirtz P, Falcón JM, Brito A, Floeter SR, Afonso P, Porteiro P, Vieira-Rodríguez MA, Neto, AI, Haroun R, Farminhão JNM, Rebelo AC, Baptista L, Melo CS, Martínez A, Núñez J, Berning B, Johnson ME, Ávila SP. (2019) Restructuring of the 'Macaronesia' biogeographic unit: a marine multi-taxon biogeographical approach. *Scientific Reports*, 9, 15792. DOI:10.1038/s41598-019-51786-6 <https://www.nature.com/articles/s41598-019-51786-6>

Hardisty AR, Michener WK, Agosti D, Alonso García E, Bastin I, Belbin I, Bowser A, Buttigieg PI, Canhos DAI, Egloff W, de Giovanni R, Figueira R, Groom Q, Guralnick RP, Hobern D, Hugo W, Koureas D, Ji I, los W, Manuel J, Manset D, Poelen J, Saarenmaa H, Schigel D, Uhlir PF, Kissling WD (2019). *The Bari*

Manifesto: An interoperability framework for essential biodiversity variables. *Ecol. Inform.* 49, 22–31, <https://doi.org/10.1016/j.ecoinf.2018.11.003>

Madeira P, Kroh A, Cordeiro R, Martins AMF, Ávila SP. (2019) The echinoderm fauna of the Azores (NE Atlantic Ocean). *Zootaxa*, 4639(1), 1-231. DOI:10.11646/zootaxa.4639.1

Martinez-Lopez J, Teixeira H, Morgado M, Almagro M, Sousa AI, Villa F, Balbi S, Genua-Olmedo A, Nogueira AJA, Lillebø AI (2019) Participatory coastal management through elicitation of ecosystem service preferences and modelling driven by “coastal squeeze”. *Science of the Total Environment*, 652: 1113-1128, <https://doi.org/10.1016/j.scitotenv.2018.10.309>

Mesquita AF, Marques SM, Marques JC, Gonçalves Fernando JM, Gonçalves AMM. (2019) Copper sulphate impact on the antioxidant defence system of the marine bivalves *Cerastoderma edule* and *Scrobicularia plana*. *Sci. Rep.*, 9:16458. DOI:10.1038/s41598-019-52925-9

Nunes A, Köbel M, Pinho P, Matos P, Costantini EAC, Soares C, de Bello F, Correia O, Branquinho C. (2019) Local topographic and edaphic factors largely predict shrub encroachment in Mediterranean drylands. *Science of the Total Environment*, 657, 310-318, <https://doi.org/10.1016/j.scitotenv.2018.11.475>

Oliveira M, Ameixa OMCC, Soares A MVM. (2019) Are ecosystem services provided by insects “bugged” by micro (nano)plastics? *TrAC Trends in Analytical Chemistry* 113: 317-320. <https://doi.org/10.1016/j.trac.2019.02.018>. DOI: 10.1016/j.trac.2019.02.019

Pinto L, Malfeito-Ferreira M, Quintieri L, Silva AC, Baruzzi F. (2019) Growth and metabolite production of a grape sour rot yeast-bacterium consortium on different carbon sources. *International Journal of Food Microbiology*, 296, 65-74. <https://doi.org/10.1016/j.ijfoodmicro.2019.02.022>

Rocha CP, Cabral HN, Nunes C, Coimbra, MA, Gonçalves FJM, Marques JC, Gonçalves AMM. (2019) Biochemical impacts in adult and juvenile farmed European seabass and gilthead seabream from semi-intensive aquaculture of southern European estuarine system. *Environmental Science and Pollution Research*, 26: 13422-13440, <https://doi.org/10.1007/s11356-019-04825-8>

Salgueiro V, Cerqueira M, Monteiro A, Alves C, Rafael S, Borrego C, Pio C. (2019) Annual and seasonal variability of greenhouse gases fluxes over coastal urban and suburban areas in Portugal: measurements and source partitioning. *Atmospheric Environment*, 223, 117204, DOI: <https://doi.org/10.1016/j.atmosenv.2019.117204>

Sousa AI, Figueiredo da Silva F, Azevedo A, Lillebø AI. (2019) Blue Carbon stock in *Zostera noltei* meadows at Ria de Aveiro lagoon (Portugal) over a decade. *Sci Rep* 9, 14387 <https://doi.org/10.1038/s41598-019-50425-4>

Torres-Cambas Y, Ferreira S, Cordero-Rivera A, Lorenzo-Carballa MO. (2019) Mechanisms of allopatric speciation in an Antillean damselfly genus (Odonata, Zygoptera): vicariance or long-distance dispersal? *Molecular phylogenetics and evolution*. 137: 14-21 <https://doi.org/10.1016/j.ympev.2019.04.018>

Vieira R, Marques SM, Neto JM, Barría P, Marques JC, Gonçalves FJM, Gonçalves AMM. (2018) Brain as a target organ of climate events: Environmental induced biochemical changes in three marine fish species, *Ecological Indicators*, Volume 95, Part 1, Pages 815-824, ISSN 1470-160X. <https://doi.org/10.1016/j.ecolind.2018.08.019>

Von Essen M., do Rosário, I.T., Santos-Reis, M., Nicholas, K.A. (2019) Valuing and mapping cork and carbon across land use scenarios in a Portuguese montado landscape. *PLoS ONE* 14(3): e0212174. <https://doi.org/10.1371/journal.pone.0212174>

Weigand H, Beermann AJ, Ciampor F, Costa FO, Csabai Z, Duarte S, Geiger MF, Grabowski M, Rimet F, Rulik B, Strand M, Szucsich N, Weigand A, Willassen E, Wyler S, Bouchez A, Borja A, Čiamporová-Zaťovičová Z, Ferreira S, Dijkstra KD, Eisendle U, Freyhof J, Gadawski P, Graf W, Haegerbaeumer A, Van Der Hoorn BB, Japoshvili B, Keresztes L, Keskin E, Leese F, Macher J, Mamos T, Paz G, Pešić V, Pfannkuchen DM, Pfannkuchen MA, Price BW, Rinkevich B, Teixeira MAL, Várбірó G, Ekrem T. (2019) DNA barcode reference libraries for the monitoring of aquatic biota in Europe: Gap-analysis and recommendations for future work. *Science of the Total Environment*. 678:499-524 <https://doi.org/10.1016/j.scitotenv.2019.04.247>

2018|

Cerasoli S, Campagnolo M, Faria J, Nogueira C, Caldeira MC. (2018) On estimating Gross Primary Productivity of Mediterranean grasslands under different fertilization regimes using vegetation indices and hyperspectral reflectance, *Biogeosciences*, 15, 5455-5471, <https://doi.org/10.5194/bg-15-5455-2018>

Costa A, Lourenco A, Civera T, Brito L. (2018) *Listeria innocua* and *Listeria monocytogenes* strains from dairy plants behave similarly in biofilm sanitizer testing. *LWT - Food Science and Technology*, 92: 477-483, <https://doi.org/10.1016/j.lwt.2018.02.073>

Djukic I, Kepfer-Rojas S, Schmidt IK, Larsen KS, Beier C, Berg B, Verheyen K, TeaComposition: Sousa, AI, Lillebø, AI, Branquinho, C, Serrano, HC, Santos-Reis, M. (2018) Early stage litter decomposition across biomes. *Science of the Total Environment*, 628-629, 1369-1394. <https://doi.org/10.1016/j.scitotenv.2018.01.012>

Listopad CMCS, Köbel M, Príncipe A, Gonçalves P, Branquinho C. (2018) The effect of grazing exclusion over time on structure, biodiversity, and regeneration of high nature value farmland ecosystems in Europe. *Science of the Total Environment*, 610-611, 926-936. <https://doi.org/10.1016/j.scitotenv.2017.08.018>

Vieira R, Marques SM, Neto JM, Barría P, Marques JC, Gonçalves FJM, Gonçalves AMM. (2018) Brain as a target organ of climate events: Environmental induced biochemical changes in three marine fish species. *Ecological Indicators*, 95: 815-824. DOI: 10.1016/j.ecolind.2018.08.019

2017|

Araujo V, Neves E, Silva AC, Martins APL, Brito LC. (2017) *Listeria monocytogenes* cells under nutrient deprivation showed reduced ability to infect the human intestinal cell line HT-29. *Journal of Medical Microbiology*, 67: 110-117. <https://doi.org/10.1099/jmm.0.000648>

Monteiro M, Figueira R, Melo M, Mills MSL, Beja P, Bastos-Silveira C, Ramos M, Rodrigues D, Neves IQ, Consciência S, Reino L. (2017) The collection of birds from Mozambique at the Instituto de Investigação Científica Tropical of the University of Lisbon (Portugal). *ZooKeys* 708, p.139. <https://doi.org/10.3897/zookeys.708.13351>