

Pedro Miguel Cardoso  
Supervisor for doctoral programme, Visiting scholar  
Finnish Museum of Natural History  
Doctoral Programme in Wildlife Biology  
**Type of address: Postal address.**  
Viikinkaari 1  
Biocentre 3  
00790  
Helsinki  
Finland  
**Email:** pedro.cardoso@helsinki.fi



## Publications

### **Functional convergence underground? The scale-dependency of community assembly processes in European cave spiders**

Mammola, S., Rodrigues Leandro Roza, C. G., Ballarin, F., Hesselberg, T., Isaia, M., Lunghi, E., Mouron, S., Pavlek, M., Tolve, M. & Cardoso, P., Jun 2024, In: *Global Ecology and Biogeography*. 33, 6, 14 p., e13840.

### **Calculating functional diversity metrics using neighbor-joining trees**

Cardoso, P., Guillerme, T., Mammola, S., Matthews, T. J., Rigal, F., Rodrigues Leandro Roza, C. G., Ståhls, G. & Carvalho, J. C., 30 Apr 2024, In: *Ecography*. 11 p., e07156.

### **The BALA project: A pioneering monitoring of Azorean forest invertebrates over two decades (1999–2022)**

Pozsgai, G., Lhoumeau, S., Amorim, I. R., Boieiro, M., Cardoso, P., Costa, R., Ferreira, M. T., Leite, A., Malumbres-Olarte, J., Oyarzabal, G., Rigal, F., Ros-Prieto, A., Santos, A. M. C., Gabriel, R. & Borges, P. A. V., 11 Apr 2024, In: *Scientific data*. 11, 1, 9 p., 368.

### **Effects of plant taxonomic position on soil nematode communities in Antarctica**

Zhang, A., Song, H., Liu, Z., Cui, H., Ding, H., Chen, S., Xiao, S., An, L. & Cardoso, P., 2 Apr 2024, In: *Conservation Biology*. 10 p., e14264.

### **Standardised inventories of spiders (Arachnida, Araneae) of Macaronesia III: dry habitats of Cabo Verde Archipelago (São Vicente and Santo Antão)**

Crespo, L. C. F., Cardoso, P., Malumbres-Olarte, J., Pereira, F., Romeiras, M., Ros-Prieto, A., Rigal, F. & Borges, P. A. V., 28 Mar 2024, In: *Biodiversity Data Journal*. 12, 29 p., e115464.

### **Effective conservation of subterranean-roosting bats**

Meierhofer, M., Johnson, J. S., Perez-Jimenez, J., Ito dos Santos, F., Webela, P. W., Wiantoro, S., Bernard, E., Tanalgo, K. C., Hughes, A. C., Cardoso, P., Lilley, T. M. & Mammola, S., Feb 2024, In: *Conservation Biology*. 38, 1, 13 p., e14157.

### **Perspectives and pitfalls in preserving subterranean biodiversity through protected areas**

Mammola, S., Altermatt, F., Alther, R., Amorim, I. R., Băncilă, R., Borges, P. A. V., Brad, T., Brankovits, D., Cardoso, P. M., Cerasoli, F., Chauveau, C. A., Delić, T., Di Lorenzo, T., Faille, A., Fišer, C., Flot, J-F., Gabriel, R., Galassi, D. M. P., Garzoli, L., Griebler, C., & 15 others Konecny-Dupré, L., Martínez, A., Mori, N., Nanni, V., Ogorelec, Ž., Pallarés, S., Salussolia, A., Saccò, M., Stoch, F., Vaccarelli, I., Zagmajster, M., Zित्रa, C., Meierhofer, M., Sánchez-Fernández, D. & Malard, F., 16 Jan 2024, In: *npj Biodiversity*. 3, 9 p., 2.

### **Modelling the probability of meeting IUCN Red List criteria to support reassessments**

Henry, E. G., Santini, L., Butchart, S. H. M., González-Suárez, M., Lucas, P. M., Benítez-López, A., Mancini, G., Jung, M., Cardoso, P., Zizka, A., Meyer, C., Akçakaya, H. R., Berryman, A. J., Cazalis, V. & Di Marco, M., Jan 2024, In: *Global Change Biology*. 30, 1, 13 p., e17119.

### **Reform wildlife trade in the European Union**

Cardoso, P. M., Fukushima, C. S., MAXHELAKU, ARMELA., Poczai, P., Porto, M., Puksas, A., Saar, I., Stringham, O., Toomes, A., Vargas, T. & Veríssimo, D., 2024, In: *Science*. 383, 6687, p. 1066

**Collective and harmonized high throughput barcoding of insular arthropod biodiversity: Toward a Genomic Observatories Network for islands**

Emerson, B. C., Borges, P. A. V., Cardoso, P., Convey, P., deWaard, J. R., Economo, E. P., Gillespie, R. G., Kennedy, S., Krehenwinkel, H., Meier, R., Roderick, G. K., Strasberg, D., Thébaud, C., Traveset, A., Creedy, T. J., Meramveliotakis, E., Noguerales, V., Overcast, I., Morlon, H., Papadopoulou, A., & 3 othersVogler, A. P., Arribas, P. & Andújar, C., Dec 2023, In: *Molecular Ecology*. 32, 23, p. 6161-6176 16 p.

**Prioritizing the reassessment of data-deficient species on the IUCN Red List**

Cazalis, V., Santini, L., Lucas, P. M., González-Suárez, M., Hoffmann, M., Benítez-López, A., Pacifici, M., Schipper, A. M., Böhm, M., Zizka, A., Clausnitzer, V., Meyer, C., Jung, M., Butchart, S. H. M., Cardoso, P., Mancini, G., Akçakaya, H. R., Young, B. E., Patoine, G. & Di Marco, M., Dec 2023, In: *Conservation Biology*. 37, 6, 16 p., e14139.

**Island spider origins show complex vertical stratification patterns in Macaronesia**

Costa, R., Cardoso, P., Rigal, F. & Borges, P. A. V., Nov 2023, In: *Insect Conservation and Diversity*. 16, 6, p. 886-895 10 p.

**Drivers of species knowledge across the tree of life**

Mammola, S., Adamo, M., Antić, D., Calevo, J., Cancellario, T., Cardoso, P., Chamberlain, D., Chialva, M., Durucan, F., Fontaneto, D., Goncalves, D., Martínez, A., Santini, L., Rubio-Lopez, I., Sousa, R., Villegas-Rios, D., Verdes, A. & Correia, R. A., 17 Oct 2023, In: *eLife*. 12, 23 p., RP88251.

**Time-travelling pathogens and their risk to ecological communities**

Strona, G., Bradshaw, C. J. A., Cardoso, P., Gotelli, N. J., Guillaume, F., Manca, F., Mustonen, V. & Zaman, L., 1 Jul 2023, In: *PLoS Computational Biology*. 19, 7, 24 p., e1011268.

**An expert-based global assessment of threats and conservation measures for subterranean ecosystems**

Nanni, V., Piano, E., Cardoso, P., Isaia, M. & Mammola, S., Jul 2023, In: *Biological Conservation*. 283, 10 p., 110136.

**The use of machine learning in species threats and conservation analysis**

Branco, V. V., Correia, L. & Cardoso, P., Jul 2023, In: *Biological Conservation*. 283, 9 p., 110091.

**A global analysis of avian island diversity-area relationships in the Anthropocene**

Matthews, T. J., Wayman, J. P., Whittaker, R. J., Cardoso, P., Hume, J. P., Sayol, F., Proios, K., Martin, T. E., Baiser, B., Borges, P. A. V., Kubota, Y., dos Anjos, L., Tobias, J. A., Soares, F. C., Si, X., Ding, P., Mendenhall, C. D., Sin, Y. C. K., Rheindt, F. E., Triantis, K. A., & 6 othersGuilhaumon, F., Watson, D. M., Brotons, L., Battisti, C., Chu, O. & Rigal, F., Jun 2023, In: *Ecology Letters*. 26, 6, p. 965-982 18 p.

**Shrub and precipitation interactions shape functional diversity of nematode communities on the Qinghai-Tibet Plateau**

Zhang, A., Chen, S., Chen, J., Cui, H., Jiang, X., Xiao, S., Wang, J., Gao, H., An, L. & Cardoso, P., May 2023, In: *Global Change Biology*. 29, 10, p. 2746-2758 13 p.

**Arthropod co-occurrence networks indicate environmental differences between islands and signal introduced species in Azorean native forest remnants**

Pozsgai, G., Cardoso, P., Rigal, F., Boieiro, M., Gabriel, R., de Azevedo, E. B. & Borges, P. A. V., 11 Apr 2023, In: *Frontiers in Ecology and Evolution*. 11, 13 p., 1139285.

**Review of Harpactea ground-dwelling spiders (Araneae Dysderidae) of Portugal**

Rezac, M., Cardoso, P., Rezacova, V. & Řezáčová, V., 6 Apr 2023, In: *Zootaxa*. 5263, 3, p. 335-364 30 p.

**A roadmap for ladybird conservation and recovery**

Soares, A. O., Haelewaters, D., Ameixa, O. M. C. C., Borges, I., Brown, P. M. J., Cardoso, P., De Groot, M. D., Evans, E. W., Grez, A. A., Hochkirch, A., Milada Holecová, M., Honěk, A., Kulfan, J., Lillebø, A. I., Martinková, Z., Michaud, J. P., Nedvěd, O., Omkar, Roy, H. E., Saxena, S., & 7 othersShandilya, A., Sentis, A., Skuhrovec, J., Vigišová, S., Zach, P., Zaviero, T. & Losey, J. E., Feb 2023, In: *Conservation Biology*. 37, 1, 12 p., e13965.

### **Scientists' warning on climate change and insects**

Harvey, J. A., Tougeron, K., Gols, R., Heinen, R., Abarca, M., Abram, P. K., Basset, Y., Berg, M., Boggs, C., Brodeur, J., Cardoso, P., De Boer, J. G., de Snoo, G. R., Deacon, C., Dell, J. E., Desneux, N., Dillon, M. E., Duffy, G. A., Dyer, L. A., Eilers, J., & 50 others Espíndola, A., Fordyce, J., Forister, M. L., Fukushima, C. S., Gage, M. J. G., García-Robledo, C., Gely, C., Gobbi, M., Hallmann, C., Hance, T., Harte, J., Hochkirch, A., Hof, C., Hoffmann, A. A., Kingsolver, J. G., Lamarre, G. P. A., Laurance, W. F., Lavandero, B., Leather, S. R., Lehmann, P., Le Lann, C., López-Urbe, M. M., Ma, C.-S., Ma, G., Moiroux, J., Monticelli, L., Nice, C., Ode, P. J., Pincebourde, S., Ripple, W. J., Rowe, M., Samways, M. J., Sentis, A., Shah, A. A., Stork, N., Terblanche, J. S., Thakur, M. P., Thomas, M. B., Tylianakis, J. M., Van Baaren, J., van de Pol, M., van der Putten, W. H., Van Dyck, H., Verberk, W. C. E. P., Wagner, D. L., Weisser, W. W., Wetzell, W. C., Woods, H. A., Wyckhuys, K. A. G. & Chown, S. L., Feb 2023, In: *Ecological Monographs*. 93, 1, 37 p., e1553.

### **How much biodiversity is concealed in the word 'biodiversity'?**

Mammola, S., Fukushima, C. S., Biondo, G., Bongiorno, L., Cianferoni, F., Domenici, P., Fruciano, C., Lo Giudice, A., Macias Hernandez, N., Malumbres-Olarte, J., Milicic, M., Morganti, M., Mori, E., Munévar, A., Pollegioni, P., Rosati, I., Tenan, S., Urbano Tenorio, F., Fontaneto, D. & Cardoso, P., 23 Jan 2023, In: *Current Biology*. 33, 2, p. R59-R60

### **Using Red List Indices to monitor extinction risk at national scales**

Raimondo, D., Young, B. E., Brooks, T. M., Cardoso, P., Van Der Colff, D., De Souza Dias, B. F., Vercillo, U., De Souza, E., Juslén, A., Hyvarinen, E., Von Staden, L., Tolley, K. & McGowan, P. J. K., Jan 2023, In: *Conservation Science and Practice*. 5, 1, 12 p., e12854.

### **Understanding and applying biological resilience, from genes to ecosystems**

Thorogood, R., Mustonen, V., Aleixo, A., Aphalo, P. J., Asiegbu, F. O., Cabeza, M., Cairns, J., Candolin, U., Cardoso, P., Eronen, J. T., Hällfors, M., Hovatta, I., Juslén, A., Kovalchuk, A., Kulmuni, J., Kuula, L., Mäkipää, R., Ovaskainen, O., Pesonen, A.-K., Primmer, C. R., & 5 others Saastamoinen, M., Schulman, A. H., Schulman, L., Strona, G. & Vanhatalo, J., 2023, In: *npj Biodiversity*. 2, 13 p., 16.

### **An Updated Checklist of Azorean Arthropods (Arthropoda)**

Borges, P. A. V., Lamelas-Lopez, L., Andrade, R., Lhoumeau, S., Vieira, V., Soares, A. O., Borges, I., Boieiro, M., Cardoso, P., da Fonseca Crespo, L. C., Karsholt, O., Schülke, M., Serrano, A. R. M., Quartau, J. A. & Assing, V., 21 Dec 2022, In: *Biodiversity Data Journal*. 10, 29 p., e97682.

### **SLAM Project - Long Term Ecological Study of the Impacts of Climate Change in the natural forests of Azores: V - New records of terrestrial arthropods after ten years of SLAM sampling**

Lhoumeau, S., Cardoso, P., Boieiro, M., Ros-Prieto, A., Costa, R., Lamelas-Lopez, L., Leite, A., Amorim do Rosário, I., Gabriel, R., Malumbres-Olarte, J., Rigal, F., Santos, A. M. C., Tsafack, N., Ferreira, M. T. & Borges, P. A. V., 14 Dec 2022, In: *Biodiversity Data Journal*. 10, 50 p., e97952.

### **Bird extinctions and introductions are causing taxonomic and functional homogenization in oceanic islands**

Soares, F. C., Palmeirim, J. M., Rodrigues, A. S. L., Cardoso, P. & de Lima, R. F., Dec 2022, In: *Functional Ecology*. 36, 12, p. 2892-2905 14 p.

### **SLAM Project - Long Term Ecological Study of the Impacts of Climate Change in the natural forest of Azores: IV - The spiders of Terceira and Pico Islands (2019-2021) and general diversity patterns after ten years of sampling**

Lhoumeau, S., Cardoso, P., Costa, R., Boieiro, M., Malumbres-Olarte, J., Amorim, I. R., Rigal, F., Santos, A. M. C., Gabriel, R. & Borges, P. A. V., 4 Nov 2022, In: *Biodiversity Data Journal*. 10, 27 p., e96442.

### **A protocol for reproducible functional diversity analyses**

Palacio, F. X., Callaghan, C. T., Cardoso, P., Hudgins, E. J., Jarzyna, M. A., Ottaviani, G., Riva, F., Rodrigues Leandro Roza, C. G., Shirey, V. & Mammola, S., Nov 2022, In: *Ecography*. 2022, 11, 15 p., e06287.

### **Threatened and extinct island endemic birds of the world: Distribution, threats and functional diversity**

Matthews, T. J., Wayman, J. P., Cardoso, P., Sayol, F., Hume, J. P., Ulrich, W., Tobias, J. A., Soares, F. C., Thébaud, C., Martin, T. E. & Triantis, K. A., Nov 2022, In: *Journal of Biogeography*. 49, 11, p. 1920-1940 21 p.

### **Trends in habitat suitability and conservation status of aquatic spiders in Europe**

Milano, F., Cardoso, P., Mammola, S., Smith, H. & Isaia, M., Nov 2022, In: *Biological Conservation*. 275, 11 p., 109767.

### **Trait-based prediction of extinction risk across terrestrial taxa**

Chichorro, F., Urbano Tenorio, F., Teixeira, D., Väre, H., Pinto, T., Brummitt, N., He, X., Hochkirch, A., Hyvönen, J., Kaila, L., Juslén, A. & Cardoso, P., Oct 2022, In: *Biological Conservation*. 274, 8 p., 109738.

### **Quantifying the internationalization and representativeness in research**

Cardoso, P., Fukushima, C. S. & Mammola, S., Sept 2022, In: *Trends in Ecology & Evolution*. 37, 9, p. 725-728 4 p.

### **The global spread of misinformation on spiders**

Mammola, S., Malumbres-Olarte, J., Arabesky, V., Barrales-Alcalá, D. A., Barrion-Dupo, A. L., Benamú, M. A., Bird, T. L., Bogomolova, M., Cardoso, P., Chatzaki, M., Cheng, R-C., Chu, T-A., Classen-Rodríguez, L. M., Čupić, I., Dhiya'ulhaq, N. U., Drapeau Picard, A-P., El-Hennawy, H. K., Elverici, M., Fukushima, C. S., Ganem, Z., & 46 othersGavish-Regev, E., Gonnye, N. T., Hacala, A., Haddad, C. R., Hesselberg, T., Ho, T. A. T., Into, T., Isaia, M., Jayaraman, D., Karuaera, N., Khalap, R., Khalap, K., Kim, D., Korhonen, T., Kralj-Fišer, S., Land, H., Lin, S-W., Loboda, S., Lowe, E., Lubin, Y., Martínez, A., Mbo, Z., Milicic, M., Kioko, G. M., Nanni, V., Norma-Rashid, Y., Nwankwo, D., Painting, C. J., Pang, A., Pantini, P., Pavlek, M., Pearce, R., Petcharad, B., Pétilion, J., Raberahona, O. C., Russo, P., Saarinen, J. A., Segura-Hernández, L., Sentenská, L., Uhl, G., Walker, L., Warui, C. M., Wiśniewski, K., Zamani, A., Chuang, A. & Scott, C., 22 Aug 2022, In: *Current Biology*. 32, 16, p. R871-R873 3 p.

### **Tech companies liable for illegal wildlife trade**

Morcatty, T. Q., Peters, G., Nekaris, K. A. I., Cardoso, P., Fukushima, C. S., El Bizri, H. R. & Nijman, V., 12 Aug 2022, In: *Science*. 377, 6607, p. 721-721 1 p.

### **Towards evidence-based conservation of subterranean ecosystems**

Mammola, S., Meierhofer, M. B., Borges, P. A., Colado, R., Culver, D. C., Deharveng, L., Delic, T., Di Lorenzo, T., Drazina, T., Ferreira, R. L., Fiasca, B., Fiser, C., Galassi, D. M. P., Garzoli, L., Gerovasileiou, V., Griebler, C., Halse, S., Howarth, F. G., Isaia, M., Johnson, J. S., & 18 othersKomericki, A., Martinez, A., Milano, F., Moldovan, O. T., Nanni, V., Nicolosi, G., Niemiller, M. L., Pallares, S., Pavlek, M., Piano, E., Pipan, T., Sanchez-Fernandez, D., Santangeli, A., Schmidt, S., Wynne, J. J., Zagmajster, M., Zaksek, V. & Cardoso, P., Aug 2022, In: *Biological Reviews*. 97, 4, p. 1476-1510 35 p.

### **Biological traits interact with human threats to drive extinctions: A modelling study**

Chichorro, F., Correia, L. & Cardoso, P., Jul 2022, In: *Ecological Informatics*. 69, 9 p., 101604.

### **Distance decay 2.0-A global synthesis of taxonomic and functional turnover in ecological communities**

Graco-Roza, C., Aarnio, S., Abrego, N., Acosta, A. T. R., Alahuhta, J., Altman, J., Angiolini, C., Aroviita, J., Attorre, F., Bastrup-Spohr, L., Barrera-Alba, J. J., Belmaker, J., Biurrun, I., Bonari, G., Bruelheide, H., Burrascano, S., Carboni, M., Cardoso, P., Carvalho, J. C., Castaldelli, G., & 72 othersChristensen, M., Correa, G., Dembicz, I., Dengler, J., Dolezal, J., Domingos, P., Erős, T., Ferreira, C. E. L., Filibeck, G., Floeter, S. R., Friedlander, A. M., Gammal, J., Gavioli, A., Gossner, M. M., Granot, I., Guarino, R., Gustafsson, C., Hayden, B., He, S., Heilmann-Clausen, J., Heino, J., Hunter, J. T., Huszar, V. L. M., Janisova, M., Jyrkankallio-Mikkola, J., Kahilainen, K. K., Kemppinen, J., Kozub, L., Kruk, C., Kulbiki, M., Kuzemko, A., Christiaan le Roux, P., Lehikoinen, A., Teixeira de Lima, D., Lopez-Urrutia, A., Lukacs, B. A., Luoto, M., Mammola, S., Marinho, M. M., Menezes, L. S., Milardi, M., Miranda, M., Moser, G. A. O., Mueller, J., Niittynen, P., Norkko, A., Nowak, A., Ometto, J. P., Ovaskainen, O., Overbeck, G. E., Pacheco, F. S., Pajunen, V., Palpurina, S., Picazo, F., Prieto, J. A. C., Rodil, I. F., Sabatini, F. M., Salingre, S., De Sanctis, M., Segura, A. M., da Silva, L. H. S., Stevanovic, Z. D., Swacha, G., Teittinen, A., Tolonen, K. T., Tsiripidis, I., Virta, L., Wang, B., Wang, J., Weisser, W., Xu, Y. & Soininen, J., Jul 2022, In: *Global Ecology and Biogeography*. 31, 7, p. 1399-1421 23 p.

### **Combined effects of bird extinctions and introductions in oceanic islands: Decreased functional diversity despite increased species richness**

Soares, F. C., de Lima, R. F., Palmeirim, J. M., Cardoso, P. & Rodrigues, A. S. L., Jun 2022, In: *Global Ecology and Biogeography*. 31, 6, p. 1172-1183 12 p.

### **From forest to forestry: Reassembly of spider communities after native forest replacement by pine monocultures**

Munévar, A., Cardoso, P. & Zurita, G. A., Jun 2022, In: *Ecological Entomology*. 47, 3, p. 400-410 11 p.

### **The promise and perils of engineering cave climates: Response to Turner et al.**

Meierhofer, M. B., Cardoso, P., Lilley, T. & Mammola, S., Jun 2022, In: *Conservation Biology*. 36, 3, 3 p., e13927.

### **A trait database and updated checklist for European subterranean spiders**

Mammola, S., Pavlek, M., Huber, B. A., Isaia, M., Ballarin, F., Tolve, M., Cupic, I., Hesselberg, T., Lunghi, E., Mouron, S., Graco-Roza, C. & Cardoso, P., 26 May 2022, In: *Scientific data*. 9, 1, 13 p., 236.

### **Searching the web builds fuller picture of arachnid trade**

Marshall, B. M., Strine, C. T., Fukushima, C. S., Cardoso, P., Orr, M. C. & Hughes, A. C., 19 May 2022, In: *Communications Biology*. 5, 1, 13 p., 448.

### **Life in the darkness of caves**

Mammola, S., Frigo, I. & Cardoso, P., 5 Apr 2022, In: *Frontiers for Young Minds*. 10, 657265.

### **arakno - An R package for effective spider nomenclature, distribution and trait data retrieval from online resources**

Cardoso, P. & Pekar, S., Apr 2022, In: *Journal of Arachnology*. 50, 1, p. 30-32 3 p.

### **Bridging the research-implementation gap in IUCN Red List assessments**

Cazalis, V., Di Marco, M., Butchart, S. H. M., Akçakaya, H. R., González-Suárez, M., Meyer, C., Clausnitzer, V., Böhm, M., Zizka, A., Cardoso, P., Schipper, A. M., Bachman, S. P., Young, B. E., Hoffmann, M., Benítez-López, A., Lucas, P. M., Petteorelli, N., Patoine, G., Pacifici, M., Jörger-Hickfang, T., & 5 othersBrooks, T. M., Rondinini, C., Hill, S. L. L., Visconti, P. & Santini, L., Apr 2022, In: *Trends in Ecology & Evolution*. 37, 4, p. 359-370 12 p.

### **An expert-curated global database of online newspaper articles on spiders and spider bites**

Mammola, S., Malumbres-Olarte, J., Arabesky, V., Barrales-Alcalá, D. A., Barrion-Dupo, A. L., Benamú, M. A., Bird, T. L., Bogomolova, M., Cardoso, P., Chatzaki, M., Cheng, R-C., Chu, T-A., Classen-Rodriguez, L. M., Cupic, I., Dhiya'ulhaq, N. U., Picard, A-P. D., El-Hennawy, H. K., Elverici, M., Fukushima, C. S., Ganem, Z., & 45 othersGavish-Regev, E., Gonnye, N. T., Hacala, A., Haddad, C. R., Hesselberg, T., Ho, T. A. T., Into, T., Isaia, M., Jayaraman, D., Karuaera, N., Khalap, R., Khalap, K., Kim, D., Korhonen, T., Kralj-Fiser, S., Land, H., Lin, S-W., Loboda, S., Lowe, E., Lubin, Y., Martinez, A., Mbo, Z., Milicic, M., Kioko, G. M., Nanni, V., Norma-Rashid, Y., Nwankwo, D., Painting, C. J., Pang, A., Pantini, P., Pavlek, M., Pearce, R., Petcharad, B., Petillon, J., Raberahona, O. C., Saarinen, J. A., Segura-Hernandez, L., Sentenska, L., Uhl, G., Walker, L., Warui, C. M., Wisniewski, K., Zamani, A., Scott, C. & Chuang, A., 28 Mar 2022, In: *Scientific data*. 9, 1, 12 p., 109.

### **Brazilian cave heritage under siege**

Ferreira, R. L., Bernard, E., da Cruz Júnior, F. W., Piló, L. B., Calux, A., Souza-Silva, M., Barlow, J., Pompeu, P. S., Cardoso, P. & Mammola, S., 18 Mar 2022, In: *Science*. 375, 6586, p. 1238-1239 2 p.

### **Insects, Spiders, Snails and Empathy: Representing Invertebrate Extinctions in Natural History Museums**

Cardoso, P., Mar 2022, *Animals, Plants And Afterimages: The Art and Science of Representing Extinction*. Bienvenue, V. & Chare, N. (eds.). Berghahn Books, p. 230-240 11 p.

### **Island hoppers: Integrative taxonomic revision of Hogna wolf spiders (Araneae, Lycosidae) endemic to the Madeira islands with description of a new species**

Crespo, L. C., Silva, I., Enguídanos, A., Cardoso, P. & Arnedo, M., 16 Feb 2022, In: *ZooKeys*. 1086, p. 77-135 59 p.

### **Challenges and opportunities of species distribution modelling of terrestrial arthropod predators**

Mammola, S., Pétillon, J., Hacala, A., Monsimet, J., Marti, S-L., Cardoso, P. & Lafage, D., Dec 2021, In: *Diversity and Distributions*. 27, 12, p. 2596-2614 19 p.

### **Habitat filtering and inferred dispersal ability condition across-scale species turnover and rarity in Macaronesian island spider assemblages**

Malumbres-Olarte, J., Rigal, F., Girardello, M., Cardoso, P., Crespo, L. C., Amorim, I. R., Arnedo, M., Boieiro, M., Carvalho, J. C., Carvalho, R., Gabriel, R., Lamelas-Lopez, L., López, H., Paulo, O. S., Pereira, F., Pérez-Delgado, A. J., Rego, C., Romeiras, M., Ros-Prieto, A., Oromí, P., & 3 othersVieira, A., Emerson, B. C. & Borges, P. A. V., Dec 2021, In: *Journal of Biogeography*. 48, 12, p. 3131-3144 14 p.

**The Atlantic connection: coastal habitat favoured long distance dispersal and colonization of Azores and Madeira by Dysdera spiders (Araneae: Dysderidae)**

Crespo, L. C., Silva, I., Enguidanos, A., Cardoso, P. & Arnedo, M. A., 17 Nov 2021, In: Systematics and Biodiversity. 19, 8, p. 906-927 22 p.

**Macaronesia as a Fruitful Arena for Ecology, Evolution, and Conservation Biology**

Florencio, M., Patino, J., Nogue, S., Traveset, A., Borges, P. A. V., Schaefer, H., Amorim, I. R., Arnedo, M., Ávila, S. P., Cardoso, P., de Nascimento, L., Fernández-Palacios, J. M., Gabriel, S. I., Gil, A., Gonçalves, V., Haroun, R., Illera, J. C., López-Darías, M., Martínez, A., Martins, G. M., & 12 others Neto, A. I., Nogales, M., Oromi, P., Rando, J. C., Raposeiro, P. M., Rigal, F., Romeiras, M. M., Silva, L., Valido, A., Vanderpoorten, A., Vasconcelos, R. & Santos, A. M. C., 5 Nov 2021, In: Frontiers in Ecology and Evolution. 9, 19 p., 718169.

**Challenges and perspectives on tackling illegal or unsustainable wildlife trade**

Fukushima, C. S., Tricorache, P., Toomes, A., Stringham, O. C., Rivera-Téllez, E., Ripple, W. J., Peters, G., Orenstein, R. I., Morcatty, T. Q., Longhorn, S. J., Lee, C., Kumschick, S., de Freitas, M. A., Duffy, R. V., Davies, A., Cheung, H., Cheyne, S. M., Bouhuys, J., Barreiros, J. P., Amponsah-Mensah, K., & 1 others Cardoso, P., Nov 2021, In: Biological Conservation. 263, 10 p., 109342.

**Scientists' warning to humanity on illegal or unsustainable wildlife trade**

Cardoso, P., Amponsah-Mensah, K., Barreiros, J. P., Bouhuys, J., Cheung, H., Davies, A., Kumschick, S., Longhorn, S. J., Martínez-Muñoz, C. A., Morcatty, T. Q., Peters, G., Ripple, W. J., Rivera-Téllez, E., Stringham, O. C., Toomes, A., Tricorache, P. & Fukushima, C. S., Nov 2021, In: Biological Conservation. 263, 9 p., 109341.

**A conservation roadmap for the subterranean biome**

Wynne, J. J., Howarth, F. G., Mammola, S., Ferreira, R. L., Cardoso, P., Di Lorenzo, T., Galassi, D. M. P., Medellín, R. A., Miller, B. W., Sanchez-Fernandez, D., Bichuette, M. E., Biswas, J., BlackEagle, C. W., Boonyanusith, C., Amorim, I. R., Vieira Borges, P. A., Boston, P. J., Cal, R. N., Cheeptham, N., Deharveng, L., & 36 others Eme, D., Faille, A., Fenolio, D., Fiser, C., Fiser, Z., Gon, S. M. O., Goudarzi, F., Griebler, C., Halse, S., Hoch, H., Kale, E., Katz, A. D., Kovac, L., Lilley, T. M., Manchi, S., Manenti, R., Martinez, A., Meierhofer, M. B., Miller, A. Z., Moldovan, O. T., Niemiller, M. L., Peck, S. B., Pellegrini, T. G., Pipan, T., Phillips-Lander, C. M., Poot, C., Racey, P. A., Sendra, A., Shear, W. A., Silva, M. S., Taiti, S., Tian, M., Venarsky, M. P., Yancovic Pakarati, S., Zagmajster, M. & Zhao, Y., Sept 2021, In: Conservation Letters. 14, 5, 6 p., 12834.

**Concepts and applications in functional diversity**

Mammola, S., Carmona, C. P., Guillerme, T. & Cardoso, P., Sept 2021, In: Functional Ecology. 35, 9, p. 1869-1885 17 p.

**Functional groups of hoverflies in Southeast Europe across different vegetation types**

Milicic, M., Popov, S., Jurca, T., Cardoso, P., Janković, M., Ačanski, J. & Vujić, A., Sept 2021, In: Entomological Science. 24, 3, p. 235-246 12 p.

**Insect threats and conservation through the lens of global experts**

Milicic, M., Popov, S., Branco, V. V. & Cardoso, P., Jul 2021, In: Conservation Letters. 14, 4, 14 p., 12814.

**Collecting eco-evolutionary data in the dark: Impediments to subterranean research and how to overcome them**

Mammola, S., Lunghi, E., Bilandžija, H., Cardoso, P., Grimm, V., Schmidt, S. I., Hesselberg, T. & Martinez, A., Jun 2021, In: Ecology and Evolution. 11, 11, p. 5911-5926 16 p.

**Don't forget subterranean ecosystems in climate change agendas**

Sánchez-Fernández, D., Galassi, D. M. P., Wynne, J. J., Cardoso, P. & Mammola, S., Jun 2021, In: Nature Climate Change. 11, 6, p. 458-459 2 p.

**Integrative taxonomic revision of the woodlouse-hunter spider genus Dysdera (Araneae: Dysderidae) in the Madeira archipelago with notes on its conservation status**

Crespo, L. C., Silva, I., Enguidanos, A., Cardoso, P. & Arnedo, M. A., Jun 2021, In: Zoological journal of the Linnean Society. 192, 2, p. 356-415 60 p.

**Standardised inventories of spiders (Arachnida, Araneae) on touristic trails of the native forests of the Azores (Portugal)**  
Carvalho, R., Cardoso, P., Gil, A., Ferreira, M. T., Ramos, C., Lamelas-Lopez, L., Pereira, F., Malumbres-Olarte, J., Ros-Prieto, A., Boieiro, M. & Borges, P. A. V., 16 Apr 2021, In: Biodiversity Data Journal. 9, 15 p., 62886.

**A strategy for the next decade to address data deficiency in neglected biodiversity**

Hochkirch, A., Samways, M. J., Gerlach, J., Bohm, M., Williams, P., Cardoso, P., Cumberlidge, N., Stephenson, P. J., Seddon, M. B., Clausnitzer, V., Borges, P. A., Mueller, G. M., Pearce-Kelly, P., Raimondo, D. C., Danielczak, A. & Dijkstra, K-D. B., Apr 2021, In: Conservation Biology. 35, 2, p. 502-509 8 p.

**Spider conservation in Europe: a review**

Milano, F., Blick, T., Cardoso, P., Chatzaki, M., Fukushima, C. S., Gajdoš, P., Gibbons, A. T., Henriques, S., Macias-Hernandez, N., Mammola, S., Nentwig, W., Nolan, M., Pétilion, J., Polchaninova, N., Řezáč, M., Sandstrom, J., Smith, H., Wiśniewski, K. & Isaia, M., Apr 2021, In: Biological Conservation. 256, 21 p., 109020.

**Spatial Scaling Patterns of Functional Diversity**

Alirezazadeh, S., Borges, P. A. V., Cardoso, P., Gabriel, R., Rigal, F. & Borda-de-Agua, L., 22 Feb 2021, In: Frontiers in Ecology and Evolution. 9, 10 p., 607177.

**Wildlife collection for scientific purposes**

Fukushima, C., West, R., Pape, T., Penev, L., Schulman, L. & Cardoso, P., Feb 2021, In: Conservation Biology. 35, 1, p. 5-11 7 p.

**The World Spider Trait database: a centralised global open repository for curated data on spider traits**

Pekár, S., Wolff, J. O., Černecká, Ľ., Birkhofer, K., Mammola, S., Lowe, E. C., Fukushima, C. S., Herberstein, M. E., Kučera, A., Buzzatto, B. A., Djoudi, E. A., Domenech, M., Enciso, A. V., Piñanez Espejo, Y. M. G., Febles, S., García, L. F., Gonçalves-Souza, T., Isaia, M., Lafage, D., Líznavá, E., & 25 othersMacías-Hernández, N., Magalhães, I., Malumbres-Olarte, J., Michálek, O., Michalik, P., Michalko, R., Milano, F., Munévar, A., Nentwig, W., Nicolosi, G., Painting, C. J., Pétilion, J., Piano, E., Privet, K., Ramírez, M. J., Ramos, C., Řezáč, M., Ridel, A., Růžička, V., Santos, I., Sentenská, L., Walker, L., Wierucka, K., Zurita, G. A. & Cardoso, P., 2021, In: Database : the journal of biological databases and curation. 2021, 10 p., baab064.

**Automated Discovery of Relationships, Models, and Principles in Ecology**

Cardoso, P., Branco, V. V., Borges, P. A., Carvalho, J. C., Rigal, F., Gabriel, R., Mammola, S., Cascalho, J. & Correia, L., 11 Dec 2020, In: Frontiers in Ecology and Evolution. 8, 12 p., 530135.

**Towards a taxonomically unbiased European Union biodiversity strategy for 2030**

Mammola, S., Riccardi, N., Prie, V., Correia, R. A., Cardoso, P., Lopes-Lima, M. & Sousa, R., 9 Dec 2020, In: Proceedings of the Royal Society B. Biological Sciences. 287, 1940, 7 p., 20202166.

**Fundamental research questions in subterranean biology**

Mammola, S., Amorim, I. R., Bichuette, M. E., Borges, P. A. V., Cheeptham, N., Cooper, S. J. B., Culver, D. C., Deharveng, L., Eme, D., Ferreira, R. L., Fiser, C., Fiser, Z., Fong, D. W., Griebler, C., Jeffery, W. R., Jugovic, J., Kowalko, J. E., Lilliey, T. M., Malard, F., Manenti, R., & 12 othersMartinez, A., Meierhofer, M. B., Niemiller, M. L., Northup, D. E., Pellegrini, T. G., Pipan, T., Protas, M., Reboleira, A. S. P. S., Venarsky, M. P., Wynne, J. J., Zigmajster, M. & Cardoso, P., Dec 2020, In: Biological Reviews. 95, 6, p. 1855-1872 18 p.

**How Iberian are we? Mediterranean climate determines structure and endemism of spider communities in Iberian oak forests**

Malumbres-Olarte, J., Crespo, L. C., Domenech, M., Cardoso, P., Moya-Larano, J., Ribera, C. & Arnedo, M. A., Dec 2020, In: Biodiversity and Conservation. 29, 14, p. 3973-3996 24 p.

**The Time for Insects Is Now**

Cardoso, P., Dec 2020, In: Conservation Biology. 34, 6, p. 1598-1600 3 p.

**An expert-based assessment of global threats and conservation measures for spiders**

Branco, V. V. & Cardoso, P., 30 Sept 2020, In: *Global Ecology and Conservation*. 24, 15 p., e01290.

**Standardised spider (Arachnida, Araneae) inventory of Kilpisjärvi, Finland**

Kiljunen, N., Pajunen, T., Fukushima, C., Soukainen, A., Kuurne, J., Korhonen, T., Saarinen, J., Falck, I., Laine, E., Mammola, S., Urbano, F., Macias-Hernandez, N. & Cardoso, P., 17 Sept 2020, In: *Biodiversity Data Journal*. 8, 12 p., 56486.

**Increase of insular exotic arthropod diversity is a fundamental dimension of the current biodiversity crisis**

Borges, P. A. V., Rigal, F., Ros-Prieto, A. & Cardoso, P., Sept 2020, In: *Insect Conservation and Diversity*. 13, 5, p. 508-518 11 p.

**Towards establishment of a centralized spider traits database**

Lowe, E. C., Wolff, J. O., Aceves-Aparicio, A., Birkhofer, K., Branco, V. V., Cardoso, P., Chichorro, F., Fukushima, C. S., Goncalves-Sousa, T., Haddad, C., Isaia, M., Krehenwinkel, H., Audisio, T. L., Macias Hernandez, N., Malumbres-Olarte, J., Mammola, S., McLean, D. J., Michalko, R., Nentwig, W., Pekar, S., & 7 others Petillon, J., Privet, K., Scott, C., Uhl, G., Urbano Tenorio, F., Wong, B. H. & Herbestein, M. E., Sept 2020, In: *Journal of Arachnology*. 48, 2, p. 103-109 7 p.

**Functional diversity metrics using kernel density n-dimensional hypervolumes**

Mammola, S. & Cardoso, P., Aug 2020, In: *Methods in Ecology and Evolution*. 11, 8, p. 986-995 10 p.

**Methods for the assessment and conservation of threatened animal parasites**

Kwak, M. L., Heath, A. C. & Cardoso, P., Aug 2020, In: *Biological Conservation*. 248, 6 p., 108696.

**Decomposing the causes for niche differentiation between species using hypervolumes**

Carvalho, J. C. & Cardoso, P., 30 Jul 2020, In: *Frontiers in Ecology and Evolution*. 8, 7 p., 243.

**Global wildlife trade permeates the Tree of Life**

Fukushima, C. S., Mammola, S. & Cardoso, P., Jul 2020, In: *Biological Conservation*. 247, 5 p., 108503.

**Response to comments on "Changes in plants due to elevated CO2 may be a significant contributor to insect declines: Response to Cardoso, et al. and Samways, et al.": Known unknowns and unknown unknowns of insect conservation**

Cardoso, P. & Samways, M. J., Jul 2020, In: *Biological Conservation*. 247, 2 p., 108584.

**Description of the male of the Critically Endangered tarantula *Typhochlaena curumim* Bertani, 2012 (Araneae, Theraphosidae), with comments on tarantula trade and conservation**

Fukushima, C. S., Cardoso, P. & Bertani, R., 4 Jun 2020, In: *ZooKeys*. 938, p. 125-136 12 p.

**Accelerating the monitoring of global biodiversity: Revisiting the sampled approach to generating Red List Indices**

Henriques, S., Böhm, M., Collen, B., Luedtke, J., Hoffmann, M., Hilton-Taylor, C., Cardoso, P., Butchart, S. H. M. & Freeman, R., May 2020, In: *Conservation Letters*. 13, 3, 9 p., e12703.

**Environmental filtering and convergent evolution determine the ecological specialization of subterranean spiders**

Mammola, S., Arnedo, M. A., Fiser, C., Cardoso, P., Dejanaz, A. J. & Isaia, M., May 2020, In: *Functional Ecology*. 34, 5, p. 1064-1077 14 p.

**A database of functional traits for spiders from native forests of the Iberian Peninsula and Macaronesia**

Macias-Hernandez, N., Ramos, C., Domènech, M., Febles, S., Santos, I., Arnedo, M. A., Borges, P. A. V., Emerson, B. C. & Cardoso, P., 30 Apr 2020, In: *Biodiversity Data Journal*. 8, 12 p., 49159.

**Come to the dark side! The role of functional traits in shaping dark diversity patterns of south-eastern European hoverflies**

Milicic, M., Popov, S., Vujic, A., Ivosevic, B. & Cardoso, P., Apr 2020, In: *Ecological Entomology*. 45, 2, p. 232-242 11 p.



### **Standardised spider (Arachnida, Araneae) inventory of Lammi, Finland**

Soukainen, A., Pajunen, T., Korhonen, T., Saarinen, J., Chichorro, F., Jalonen, S., Kiljunen, N., Koskivirta, N., Kuurne, J., Leinonen, S., Salonen, T., Yrjölä, V., Fukushima, C. & Cardoso, P., 13 Mar 2020, In: Biodiversity Data Journal. 8, 15 p., 50775.

### **Spiders (Arachnida:Araneae) in the semideciduous Atlantic Forest: An ecological and morphological trait dataset for functional studies**

Munevar, A., Cardoso, P., Pinanez Espejo, Y. M. G. & Andres Zurita, G., 12 Mar 2020, In: Biodiversity Data Journal. 8, 10 p., 49889.

### **International scientists formulate a roadmap for insect conservation and recovery**

Harvey, J. A., Heinen, R., Armbrrecht, I., Basset, Y., Baxter-Gilbert, J. H., Bezemer, T. M., Bohm, M., Bommarco, R., Borges, P. A. V., Cardoso, P., Clausnitzer, V., Cornelisse, T., Crone, E. E., Dicke, M., Dijkstra, K-D. B., Dyer, L., Ellers, J., Fartmann, T., Forister, M. L., Furlong, M. J., & 53 others Garcia-Aguayo, A., Gerlach, J., Gols, R., Goulson, D., Habel, J-C., Haddad, N. M., Hallmann, C. A., Henriques, S., Herberstein, M. E., Hochkirch, A., Hughes, A. C., Jepsen, S., Jones, T. H., Kaydan, B. M., Kleijn, D., Klein, A-M., Latty, T., Leather, S. R., Lewis, S. M., Lister, B. C., Losey, J. E., Lowe, E. C., Macadam, C. R., Montoya-Lerma, J., Nagano, C. D., Ogan, S., Orr, M. C., Painting, C. J., Pham, T-H., Potts, S. G., Rauf, A., Roslin, T. L., Samways, M. J., Sanchez-Bayo, F., Sar, S. A., Schultz, C. B., Soares, A. O., Thancharoen, A., Tschamntke, T., Tylianakis, J. M., Umbers, K. D. L., Vet, L. E. M., Visser, M. E., Vujic, A., Wagner, D. L., WallisDeVries, M. F., Westphal, C., White, T. E., Wilkins, V. L., Williams, P. H., Wyckhuys, K. A. G., Zhu, Z-R. & de Kroon, H., Feb 2020, In: Nature Ecology & Evolution. 4, 2, p. 174-176 3 p.

### **Scientists' warning to humanity on insect extinctions**

Cardoso, P., Barton, P. S., Birkhofer, K., Chichorro, F., Deacon, C., Fartmann, T., Fukushima, C. S., Gaigher, R., Habel, J. C., Hallmann, C. A., Hill, M. J., Hochkirch, A., Kwak, M. L., Mammola, S., Ari Noriega, J., Orfinger, A. B., Pedraza, F., Pryke, J. S., Roque, F. O., Settele, J., & 5 others Simaika, J. P., Stork, N. E., Suhling, F., Vorster, C. & Samways, M. J., Feb 2020, In: Biological Conservation. 242, 12 p., 108426.

### **Solutions for humanity on how to conserve insects**

Samways, M. J., Barton, P. S., Birkhofer, K., Chichorro, F., Deacon, C., Fartmann, T., Fukushima, C. S., Gaigher, R., Habel, J. C., Hallmann, C. A., Hill, M. J., Hochkirch, A., Kaila, L., Kwak, M. L., Maes, D., Mammola, S., Noriega, J. A., Orfinger, A. B., Pedraza, F., Pryke, J. S., & 7 others Roque, F. O., Settele, J., Simaika, J. P., Stork, N. E., Suhling, F., Vorster, C. & Cardoso, P., Feb 2020, In: Biological Conservation. 242, 15 p., 108427.

### **Standardised inventories of spiders (Arachnida, Araneae) of Macaronesia II: The native forests and dry habitats of Madeira archipelago (Madeira and Porto Santo islands)**

Malumbres-Olarte, J., Boieiro, M., Cardoso, P., Carvalho, R., Fonseca Crespo, L. C., Gabriel, R., Macias Hernandez, N., Paulo, O. S., Pereira, F., Rego, C., Ros-Prieto, A., Silva, I., Vieira, A., Rigal, F. & Borges, P. A. V., 14 Jan 2020, In: Biodiversity Data Journal. 8, 29 p., 47502.

### **Taxonomic divergence and functional convergence in Iberian spider forest communities: Insights from beta diversity partitioning**

Carvalho, J. C., Malumbres-Olarte, J., Arnedo, M. A., Crespo, L. C., Domenech, M. & Cardoso, P., Jan 2020, In: Journal of Biogeography. 47, 1, p. 288-300 13 p.

### **Building a robust, densely-sampled spider Tree of Life for ecosystem research**

Macias Hernandez, N., Domenech, M., Cardoso, P., Emerson, B. C., Borges, P. A. V., Lozano-Fernandez, J., Paulo, O. S., Vieira, A., Enguidanos, A., Rigal, F., Amorim, I. R. & Arnedo, M. A., 2020, In: Diversity (Basel). 12, 8, 23 p., 288.

### **Stone-stacking as a looming threat to rock-dwelling biodiversity**

Rocha, R., Borges, P. A. V., Cardoso, P., Dikari Kusriani, M., Martin-Esquivel, J. L., Menezes, D., Mota-Ferreira, M., Nunes, S. F., Órfão, I., Serra-Gonçalves, C., Sim-Sim, M., Sepúlveda, P., Teixeira, D. & Traveset, A., 2020, In: Human-wildlife interactions. 14, 1, p. 129-134 6 p.

### **Current GBIF occurrence data demonstrates both promise and limitations for potential red listing of spiders**

Shirey, V., Seppälä, S., Branco, V. V. & Cardoso, P., 19 Dec 2019, In: Biodiversity Data Journal. 7, 8 p., 47369.

### **Species conservation profiles of tarantula spiders (Araneae, Theraphosidae) listed on CITES**

Fukushima, C. S., Mendoza, J. I., West, R. C., Longhorn, S., Rivera, E., Cooper, E. W. T., Henaut, Y., Henriques, S. & Cardoso, P., 8 Nov 2019, In: Biodiversity Data Journal. 7, 183 p., 39342.

### **Local- versus broad-scale environmental drivers of continental $\beta$ -diversity patterns in subterranean spider communities across Europe**

Mammola, S., Cardoso, P., Angyal, D., Balázs, G., Blick, T., Brustel, H., Carter, J., Čurčić, S., Danflous, S., Dányi, L., Déjean, S., Deltshv, C., Elverici, M., Fernández, J., Gasparo, F., Komnenov, M., Komposch, C., Kováč, L., Kunt, K. B., Mock, A., & 10 othersMoldovan, O., Naumova, M., Pavlek, M., Prieto, C. E., Ribera, C., Rozwałka, R., Růžicka, V., Vargovitsh, R. S., Zaenker, S. & Isaia, M., Nov 2019, In: Proceedings of the Royal Society B. Biological Sciences. 286, 1914, 9 p., 20191579.

### **Large expert-curated database for benchmarking document similarity detection in biomedical literature search**

RELISH Consortium, Zhou, Y., Yli-Kauhala, J., Almeida, G. M. D. F., Cardoso, P., Eskelinen, E-L., Helanterä, H., Sillanpää, E., Frilander, M., Korpela, K., Pinto, C., Quinn, G., Tripathi, S. & Zeng, Z., 29 Oct 2019, In: Database-The journal of biological databases and curation. 2019, p. 1-66 66 p., baz085.

### **Continental data on cave-dwelling spider communities across Europe (Arachnida Araneae)**

Mammola, S., Cardoso, P., Angyal, D., Balázs, G., Blick, T., Brustel, H., Carter, J., Čurčić, S., Danflous, S., Dányi, L., Déjean, S., Deltshv, C., Elverici, M., Fernández, J., Gasparo, F., Komnenov, M., Komposch, C., Kováč, L., Kunt, K. B., Mock, A., & 10 othersMoldovan, O., Naumova, M., Pavlek, M., Prieto, C. E., Ribera, C., Rozwałka, R., Růžicka, V., Vargovitsh, R. S., Zaenker, S. & Isaia, M., 8 Oct 2019, In: Biodiversity Data Journal. 7, 15 p., 38492.

### **Species conservation profiles of spiders (Araneae) endemic to mainland Portugal**

Branco, V. V., Henriques, S., Rego, C. & Cardoso, P., 8 Oct 2019, In: Biodiversity Data Journal. 7, 162 p., 39315.

### **Can we really predict a catastrophic worldwide decline of entomofauna and its drivers?**

Cardoso, P., Branco, V. V., Chichorro, F., Fukushima, C. S. & Macías-Hernández, N., Oct 2019, In: Global Ecology and Conservation. 20, 2 p., 00621.

### **A review of the relation between species traits and extinction risk**

Chichorro, F., Juslén, A. & Cardoso, P., Sept 2019, In: Biological Conservation. 237, p. 220-229 10 p.

### **Scientists' Warning on the Conservation of Subterranean Ecosystems**

Mammola, S., Cardoso, P., Culver, D. C., Deharveng, L., Ferreira, R. L., Flser, C., Galassi, D. M. P., Griebler, C., Halse, S., Humphreys, W. F., Isaia, M., Malard, F., Martinez, A., Moldovan, O. T., Niemiller, M. L., Pavlek, M., Reboleira, A. S. P. S., Souza-Silva, M., Teeling, E. C., Wynne, J. J., & 1 othersZagmajster, M., Aug 2019, In: BioScience. 69, 8, p. 641-650 10 p.

### **Taxonomic and functional diversity of insect herbivore assemblages associated with the canopy-dominant trees of the Azorean native forest**

Rego, C., Boeiro, M., Rigal, F., Ribeiro, S., Cardoso, P. & Borges, P. A. V., 15 Jul 2019, In: PLoS One. 14, 7, 20 p., 0219493.

### **Predicting a global insect apocalypse**

Cardoso, P. & Leather, S. R., Jul 2019, In: Insect Conservation and Diversity. 12, 4, p. 263-267 5 p.

### **Implications of climate change to the design of protected areas: The case study of small islands (Azores)**

Ferreira, M. T., Cardoso, P., Borges, P. A. V., Gabriel, R., de Azevedo, E. B. & Elias, R. B., 13 Jun 2019, In: PLoS One. 14, 6, 17 p., 0218168.

### **An update to the Iberian spider checklist (Araneae)**

Branco, V. V., Morano, E. & Cardoso, P., 10 Jun 2019, In: Zootaxa. 4614, 2, p. 201-254 54 p.

### **Species conservation profiles of cave-dwelling arthropods from Azores, Portugal**

Vieira Borges, P. A., Lamelas-Lopez, L., Amorim, I. R., Danielczak, A., Boieiro, M., Rego, C., Wallon, S., Nunes, R., Cardoso, P. & Hochkirch, A., 24 Apr 2019, In: Biodiversity Data Journal. 7, 89 p., 32530.

### **Standardised inventories of spiders (Arachnida, Araneae) of Macaronesia I: The native forests of the Azores (Pico and Terceira islands)**

Malumbres-Olarte, J., Cardoso, P., Fonseca Crespo, L. C., Gabriel, R., Pereira, F., Carvalho, R., Rego, C., Nunes, R., Ferreira, M. T., Amorim, I. R., Rigal, F. & Borges, P. A. V., 16 Apr 2019, In: Biodiversity Data Journal. 7, 18 p., 32625.

### **Globally distributed occurrences utilised in 200 spider species conservation profiles (Arachnida, Araneae)**

Cardoso, P., Shirey, V., Seppälä, S., Henriques, S., Draney, M. L., Foord, S., Gibbons, A. T., Gomez, L. A., Kariko, S., Malumbres-Olarte, J., Milne, M. & Vink, C. J., 2 Apr 2019, In: Biodiversity Data Journal. 7, 9 p., 33264.

### **Climate change going deep: The effects of global climatic alterations on cave ecosystems**

Mammola, S., Piano, E., Cardoso, P., Vernon, P., Dominguez-Villar, D., Culver, D. C., Pipan, T. & Isaia, M., Apr 2019, In: The Anthropocene Review. 6, 1-2, p. 98-116 19 p.

### **Species conservation profiles of a random sample of world spiders IV: Scytodidae to Zoropsidae**

Seppälä, S., Henriques, S. S., Draney, M. L., Foord, S., Gibbons, A. T., Gomez, L. A., Kariko, S., Malumbres-Olarte, J., Milne, M., Vink, C. J. & Cardoso, P., 14 Dec 2018, In: Biodiversity Data Journal. 6, 211 p., e30842.

### **A DNA barcode-assisted annotated checklist of the spider (Arachnida, Araneae) communities associated to white oak woodlands in Spanish National Parks**

Crespo, L. C., Domenech, M., Enguídanos, A., Malumbres-Olarte, J., Cardoso, P., Moya-Larano, J., Frias-Lopez, C., Macias Hernandez, N. E., de Mas, E., Mazzuca, P., Mora, E., Opatova, V., Planas, E., Ribera, C., Roca-Cusachs, M., Ruiz, D., Sousa, P., Tonzon, V. & Arnedo, M. A., 29 Nov 2018, In: Biodiversity Data Journal. 6, 457 p., e29443.

### **Species conservation profiles of a random sample of world spiders III: Oecobiidae to Salticidae**

Seppälä, S., Henriques, S., Draney, M. L., Foord, S., Gibbons, A. T., Gomez, L. A., Kariko, S., Malumbres-Olarte, J., Milne, M., Vink, C. J. & Cardoso, P., 3 Aug 2018, In: Biodiversity Data Journal. 6, 262 p., 27004.

### **A synthesis on cave-dwelling spiders in Europe**

Mammola, S., Cardoso, P., Ribera, C., Pavlek, M. & Isaia, M., Aug 2018, In: Journal of Zoological Systematics and Evolutionary Research. 56, 3, p. 301-316 16 p.

### **Global Island Monitoring Scheme (GIMS): a proposal for the long-term coordinated survey and monitoring of native island forest biota**

Borges, P. A. V., Cardoso, P., Kreft, H., Whittaker, R. J., Fattorini, S., Emerson, B. C., Gil, A., Gillespie, R. G., Matthews, T. J., Santos, A. M. C., Steinbauer, M. J., Thebaud, C., Ah-Peng, C., Amorim, I. R., Aranda, S. C., Arroz, A. M., Azevedo, J. M. N., Boieiro, M., Borda-de-Agua, L., Carvalho, J. C., & 32 others Elias, R. B., Fernandez-Palacios, J. M., Florencio, M., Gonzalez-Mancebo, J. M., Heaney, L. R., Hortal, J., Kueffer, C., Lequette, B., Martin-Esquivel, J. L., Lopez, H., Lamelas-Lopez, L., Marcelino, J., Nunes, R., Oromi, P., Patino, J., Perez, A. J., Rego, C., Ribeiro, S. P., Rigal, F., Rodrigues, P., Rominger, A. J., Santos-Reis, M., Schaefer, H., Sergio, C., Serrano, A. R. M., Sim-Sim, M., Stephenson, P. J., Soares, A. O., Strasberg, D., Vanderporten, A., Vieira, V. & Gabriel, R., Aug 2018, In: Biodiversity and Conservation. 27, 10, p. 2567-2586 20 p.

### **Species conservation profiles of a random sample of world spiders II: Gnaphosidae to Nemesiidae**

Seppälä, S., Henriques, S., Draney, M. L., Foord, S., Gibbons, A. T., Gomez, L. A., Kariko, S., Malumbres-Olarte, J., Milne, M., Vink, C. J. & Cardoso, P., 29 Jun 2018, In: Biodiversity Data Journal. 6, 210 p., e26203.

### **A comparative analysis of terrestrial arthropod assemblages from a relict forest unveils historical extinctions and colonization differences between two oceanic islands**

Boieiro, M., Matthews, T. J., Rego, C., Crespo, L., Aguiar, C. A. S., Cardoso, P., Rigal, F., Silva, I., Pereira, F., Borges, P. A. V. & Serrano, A. R. M., 25 Apr 2018, In: PLoS One. 13, 4, 22 p., 0195492.

### **Species conservation profiles of a random sample of world spiders I: Agelenidae to Filistatidae**

Seppälä, S., Henriques, S., Draney, M. L., Foord, S., Gibbons, A. T., Gomez, L. A., Kariko, S., Malumbres-Olarte, J., Milne, M., Vink, C. J. & Cardoso, P., 25 Apr 2018, In: Biodiversity Data Journal. 6, 189 p., e23555.

### **Effects of climate change on the distribution of hoverfly species (Diptera: Syrphidae) in Southeast Europe**

Milicic, M., Vujic, A. & Cardoso, P., Apr 2018, In: Biodiversity and Conservation. 27, 5, p. 1173-1187 15 p.

### **The same but different: equally megadiverse but taxonomically variant spider communities along an elevational gradient**

Malumbres-Olarte, J., Crespo, L., Cardoso, P., Szuts, T., Fannes, W., Pape, T. & Scharff, N., Apr 2018, In: Acta Oecologica. 88, p. 19-28 10 p.

### **Functional traits of indigenous and exotic ground-dwelling arthropods show contrasting responses to land-use change in an oceanic island, Terceira, Azores**

Rigal, F., Cardoso, P., Lobo, J. M., Triantis, K. A., Whittaker, R. J., Amorim, I. R. & Borges, P. A. V., Jan 2018, In: Diversity and Distributions. 24, 1, p. 36-47 12 p.

### ***Aphonopelma pallidum***

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, e.T66080948A66082778.

### ***Araneus hortensis***

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T57791251A58060651.

### ***Arctosa maderana***

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58048540A58060992.

### ***Brachypelma albiceps***

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 10 p., e.T66081178A66082783.

### ***Brachypelma albopilosum***

Fukushima, C. S., Mendoza, J., West, R. C., Longhorn, S., Rivera Tellez, E., Henriques, S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 10 p., T66081213A66082788.

### ***Brachypelma andrewi***

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T66081217A66082793.

### ***Brachypelma auratum***

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 10 p., e.T66081448A66082808.

### ***Brachypelma aureocephs***

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 9 p., e.T66081466A66082813.

### ***Brachypelma baumgarteni***

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 10 p., e.T66081548A66082818.

### ***Brachypelma boehmei***

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 10 p., e.T66081558A66082823.

**Brachypelma emilia**

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 10 p., e.T66081622A66082833.

**Brachypelma epicureanum**

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 10 p., e.T66081696A66082838.

**Brachypelma fossorium**

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 11 p., e.T66081722A66082843.

**Brachypelma hamorii**

Fukushima, C. S., Mendoza, J., Longhorn, S., Henriques, S. S., West, R., Rivera Tellez, E. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 10 p., e.T66081800A66082848.

**Brachypelma kahlenbergi**

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 10 p., e.T66081869A66082853.

**Brachypelma klaasi**

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 11 p., e.T66081934A66082858.

**Brachypelma sabulosum**

Fukushima, C. S., Mendoza, J., West, R. C., Longhorn, S., Rivera Tellez, E., Henriques, S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 9 p., T66082155A66082863.

**Brachypelma schroederi**

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 10 p., e.T66082166A66082868.

**Brachypelma smithi**

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 12 p., e.T8152A21416539.

**Brachypelma vagans**

Fukushima, C. S., Henault, Y., Mendoza, J., West, R. C., Longhorn, S., Rivera Tellez, E., Henriques, S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 13 p., T66082199A66082873.

**Brachypelma verdezi**

Fukushima, C. S., Mendoza, J., Longhorn, S., West, R., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 10 p., e.T66082277A66082878.

**Centromerus anoculus**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 11 p., e.T57979781A58060847.

**Centromerus sexoculatus**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 9 p., e.T57979794A58060852.

**Centromerus variegatus**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T57979798A58060857.

**Ceratinopsis infuscata**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T57979897A58060862.

**Community structure of woody plants on islands along a bioclimatic gradient**

Borges, P. A. V., Cardoso, P., Fattorini, S., Rigal, F., Matthews, T. J., Biase, L., Amorim, I. R., Florencio, M., Borda-de-Agua, L., Rego, C., Pereira, F., Nunes, R., Carvalho, R., Ferreira, M. T., Lopez, H., Pérez Delgado, A. J., Otto, R., Fernández Lugo, S., de Nascimento, L., Caujapé-Castells, J., & 10 others Casquet, J., Danflous, S., Fournel, J., Sadeyen, A-M., Elias, R. B., Fernández-Palacios, J. M., Oromi, P., Thebaud, C., Strasberg, D. & Emerson, B. C., 2018, In: *Frontiers of Biogeography*. 10, 3-4, 10 p., e40295.

**Dipoenata longitarsis**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58052874A58061297.

**Drassodes rugichelis**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 9 p., e.T57883687A58060767.

**Dysdera aneris**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T123716589A123717427.

**Dysdera coiffaiti**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T57842073A58060697.

**Dysdera diversa**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T57842078A58060702.

**Dysdera vandeli**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T57859856A58060747.

**Echemus modestus**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T57890654A58060772.

**Frontinellina dearmata**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T57980037A58060867.

**Frontiphantes fulgurenotatus**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T57980080A58060872.

**Hahnina insulana**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T57979695A58060822.

**Hogna biscoitoi**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58048548A58060997.

**Hogna heeri**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58048559A58061002.

**Hogna insularum**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58048609A58061012.

**Hogna maderiana**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 9 p., e.T58048618A58061017.

**Hogna nonannulata**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58048634A58061022.

**Hogna schmitzi**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58048645A58061027.

**Lathys affinis**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T57822386A58060681.

**Lepthyphantes impudicus**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58020649A58060887.

**Lepthyphantes lundbladi**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58020677A58060892.

**Lepthyphantes maui**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58020687A58060897.

**Macaroeris desertensis**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58052642A58061257.

**Macarophaeus cultior**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58076171A58077426.

**Mesiotelus maderianus**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 9 p., e.T58048491A58060972.

**Meta barreti**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58052741A58061267.

**Meta stridulans**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58052776A58061277.

**Misumena nigromaculata**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, e.T58053406A58061347.

**Oecobius minor**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58048890A58061072.

**Oecobius selvagensis**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 9 p., e.T58048910A58061082.

**Parapelecopsis mediocris**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T123717204A123717432.

**Philodromus insulanus**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58049175A58061107.

**Philodromus simillimus**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 9 p., e.T58049180A58061112.

**Pholcus dentatus**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58049419A58061137.

**Pholcus madeirensis**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58049423A58061142.

**Pholcus magnus**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58049427A58061147.

**Pholcus parvus**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58049431A58061152.

**Pholcus silvai**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58049631A58061162.

**Prinerigone pigra**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58021346A58060922.



**Rugathodes madeirensis**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58053028A58061312.

**Scotognapha paivai**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T57979652A58060797.

**Sericopelma angustum**

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 9 p., e.T66081257A66082798.

**Sericopelma embrithes**

Fukushima, C. S., Mendoza, J., West, R., Longhorn, S., Rivera Tellez, E., Henriques, S. S. & Cardoso, P., 2018, In: The IUCN Red List of Threatened Species. 2018, 10 p., e.T66081568A66082828.

**Spermophorides selvagensis**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58051156A58061212.

**Tenuiphantes tenebricoloides**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T123717353A123717437.

**Theoretical approach for how species abundance distributions change across scales**

Alirezazadeh, S., Borda-de-Agua, L., Borges, P., Gabriel, R., Dionisio, F., Henrique M., P. & Cardoso, P., 2018, *13th APCA International Conference on Automatic Control and Soft Computing : (CONTROLO 2018) : proceedings: 4-6 June 2018, University of the Azores, Ponta Delgada, São Miguel Island, Azores, Portugal*. Cardoso, A., Teixeira, C., Henriques, J. & Gil, P. (eds.). Piscataway, NJ: IEEE, p. 131-136 6 p.

**Trogloneta madeirensis**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58048804A58061047.

**Turinyphia maderiana**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58048181A58060947.

**Typhochrestus madeirensis**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58081425A58081483.

**Xysticus grohi**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 9 p., e.T58053533A58061357.

**Xysticus madeirensis**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 8 p., e.T58053588A58061362.

**Zimirina lepida**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. & Boieiro, M., 2018, In: The IUCN Red List of Threatened Species. 2018, 8 p., e.T58051517A58061232.

**Standardized spider (Arachnida, Araneae) inventory of Hankoniemi, Finland**

Cardoso, P., Heikkinen, L., Jalkanen, J., Kohonen, M., Leponiemi, M., Mattila, L., Ollonen, J., Ranki, J-P., Virolainen, A., Zhou, X. & Pajunen, T., 18 Dec 2017, In: Biodiversity Data Journal. 5, 12 p., e21010.

**Characterising and predicting cyanobacterial blooms in an 8-year amplicon sequencing time course**

Tromas, N., Fortin, N., Bedrani, L., Terrat, Y., Cardoso, P., Bird, D., Greer, C. W. & Shapiro, B. J., Aug 2017, In: ISME Journal. 11, 8, p. 1746-1763 18 p.

**A combined field survey and molecular identification protocol for comparing forest arthropod biodiversity across spatial scales**

Emerson, B. C., Casquet, J., Lopez, H., Cardoso, P., Borges, P. A. V., Mollaret, N., Oromi, P., Strasberg, D. & Thebaud, C., Jul 2017, In: Molecular Ecology Resources. 17, 4, p. 694-707 14 p.

***Harmonia axyridis* failed to establish in the Azores: the role of species richness, intraguild interactions and resource availability**

Soares, A. O., Honek, A., Martinkova, Z., Skuhrovec, J., Cardoso, P. & Borges, I., Jun 2017, In: BioControl. 62, 3, p. 423-434 12 p.

**A roadmap for island biology: 50 fundamental questions after 50 years of The Theory of Island Biogeography**

Patino, J., Whittaker, R. J., Borges, P. A. V., Maria Fernandez-Palacios, J., Ah-Peng, C., Araujo, M. B., Avila, S. P., Cardoso, P., Cornuault, J., de Boer, E. J., de Nascimento, L., Gil, A., Gonzalez-Castro, A., Gruner, D. S., Heleno, R., Hortal, J., Carlos Illera, J., Kaiser-Bunbury, C. N., Matthews, T. J., Papadopoulou, A., & 9 othersPettorelli, N., Price, J. P., Santos, A. M. C., Steinbauer, M. J., Triantis, K. A., Valente, L., Vargas, P., Weigelt, P. & Emerson, B. C., May 2017, In: Journal of Biogeography. 44, 5, p. 963-983 21 p.

**Impact of land-use change on flower-visiting insect communities on an oceanic island**

Picanco, A., Rigal, F., Matthews, T. J., Cardoso, P. & Borges, P. A. V., May 2017, In: Insect Conservation and Diversity. 10, 3, p. 211-223 13 p.

**Processes underpinning fish species composition patterns in estuarine ecosystems worldwide**

Henriques, S., Cardoso, P., Cardoso, I., Laborde, M., Cabral, H. N. & Vasconcelos, R. P., Mar 2017, In: Journal of Biogeography. 44, 3, p. 627-639 13 p.

**Gauging megadiversity with optimized and standardized sampling protocols: A case for tropical forest spiders**

Malumbres-Olarte, J., Scharff, N., Pape, T., Coddington, J. & Cardoso, P., Jan 2017, In: Ecology and Evolution. 7, 2, p. 494-506 13 p.

***Clitaetra clathrata***

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78591749A78595495.

***Clitaetra episinoides***

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78592035A78595500.

***Clitaetra irenae***

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78592090A78595505.

***Clitaetra perroti***

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78592236A78595510.

**Clitaetra simoni**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78592284A78595515.

**Clitaetra thisbe**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78592365A78595520.

**Designating conservation priorities for Southeast European hoverflies (Diptera: Syrphidae) based on species distribution models and species vulnerability**

Miličić, M., Vujic, A., Jurca, T. & Cardoso, P., 2017, In: Insect Conservation and Diversity. 10, 4, p. 354-366 13 p.

**Dispersal ability determines the scaling properties of species abundance distributions: a case study using arthropods from the Azores.**

Borda-de-Agua, L., Whittaker, R., Cardoso, P., Rigal, F., Santos, A., Amorim, I., Parmakelis, A., Triantis, K., Pereira, H. & Borges, P. A. V., 2017, In: Scientific Reports. 7, 13 p., 3899.

**Herennia agnarssoni**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78592616A89263674.

**Herennia deelemanae**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78592624A89263679.

**Herennia etruscilla**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78592643A89263684.

**Herennia gagamba**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78592700A89263689.

**Herennia jernej**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78592716A89263694.

**Herennia milleri**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78593033A89263699.

**Herennia multipuncta**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78594136A89263704.

**Herennia oz**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78594264A89263709.

**Herennia papuana**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78594275A89263714.

**Herennia sonja**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78594308A89263719.

**Herennia tone**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78594316A89263724.

**red - an R package to facilitate species red list assessments according to the IUCN criteria**

Cardoso, P., 2017, In: Biodiversity Data Journal. 5, 14 p., e20530.

**Nephila antipodiana**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292178A89292854.

**Nephila clavata**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292211A89292868.

**Nephila clavipes**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292313A89292873.

**Nephila constricta**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292340A89292883.

**Nephila edulis**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292344A89292878.

**Nephila fenestrata**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292365A89292893.

**Nephila inaurata**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292381A89292888.

**Nephila komaci**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T85736989A89292898.

**Nephila pilipes**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292557A89292903.

**Nephila plumipes**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292633A89292908.

**Nephila senegalensis**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292758A89292913.

**Nephila sexpunctata**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292825A89292918.

**Nephila sumptuosa**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292829A89292923.

**Nephila turneri**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T89292847A89292928.

**Nephilengys malabarensis**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78594404A89263729.

**Nephilengys papuana**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T78594471A89263734.

**Nephilingis borbonica**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T80274227A80274288.

**Nephilingis cruentata**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T80274336A80274370.

**Nephilingis dodo**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T80274377A80274414.

**Nephilingis livida**

Kuntner, M., Rudolf, E. & Cardoso, P., 2017, In: The IUCN Red List of Threatened Species. 2017, e.T80274449A89263739.

**Species conservation profile of the rare and endemic trapdoor spider *Calathotarsus simoni* (Araneae, Migidae) from Central Argentina**

Ferreti, N., Pompozzi, G. & Cardoso, P., 2017, In: Biodiversity Data Journal. 5, 13 p., e14790.

**Species conservation profiles of endemic spiders (Araneae) from Madeira and Selvagens archipelagos, Portugal**

Cardoso, P., Crespo, L. C., Silva, I., Borges, P. A. V. & Boieiro, M., 2017, In: Biodiversity Data Journal. 5, 218 p., e20810.

**The database of the PREDICTS (Projecting Responses of Ecological Diversity In Changing Terrestrial Systems) project**

PREDICTS Group & Phillips, H. R. P., 2017, In: Ecology and Evolution. 7, 1, p. 145-188 44 p.

**Effects of climate change on the distribution of indigenous species in oceanic islands (Azores)**

Ferreira, M. T., Cardoso, P., Borges, P. A. V., Gabriel, R., de Azevedo, E. B., Reis, F., Araujo, M. B. & Elias, R. B., Oct 2016, In: Climatic Change. 138, 3-4, p. 603-615 13 p.

**The role of plant fidelity and land-use changes on island exotic and indigenous canopy spiders at local and regional scales**

Florencio, M., Rigal, F., Borges, P. A. V., Cardoso, P., Santos, A. M. C. & Lobo, J. M., Aug 2016, In: Biological Invasions. 18, 8, p. 2309-2324 16 p.

**Biogeographical patterns of the genus *Merodon* Meigen, 1803 (Diptera: Syrphidae) in islands of the eastern Mediterranean and adjacent mainland**

Vujic, A., Petanidou, T., Tscheulin, T., Cardoso, P., Radenkovic, S., Ståhls, G., Baturan, Z., Mijatovic, G., Rojo, S., Perez-Banon, C., Devalez, J., Andric, A., Jovicic, S., Krasic, D., Markov, Z., Radisic, D. & Tataris, G., May 2016, In: Insect

Conservation and Diversity. 9, 3, p. 181-191 11 p.

**Phylogeographic patterns of Merodon hoverflies in the Eastern Mediterranean region: revealing connections and barriers**  
Ståhls, G., Vujic, A., Petanidou, T., Cardoso, P., Radenkovic, S., Acanski, J., Perez Banon, C. & Rojo, S., Apr 2016, In: Ecology and Evolution. 6, 7, p. 2226-2245 20 p.

**Application of the Red List Index as an indicator of habitat change**

Juslen, A. K., Pykälä, J., Kuusela, S., Kaila, L. J., Kullberg, J. B., Mattila, J. A., Muona, J. E., Saari, S. E. & Cardoso, P., Mar 2016, In: Biodiversity and Conservation. 25, 3, p. 569-585 17 p.

**Trends of extinction risk for Lepidoptera in Finland: the first national Red List Index of butterflies and moths**

Juslen, A., Cardoso, P., Kullberg, J., Saari, S. & Kaila, L., Mar 2016, In: Insect Conservation and Diversity. 9, 2, p. 118-123 6 p.

**Using species abundance distribution models and diversity indices for biogeographical analyses**

Fattorini, S., Rigal, F., Cardoso, P. & Borges, P. A. V., Jan 2016, In: Acta Oecologica. 70, p. 21-28 8 p.

**Arrábida – inside and out**

NECA - Nucleo de Espeleologia da Costa Azul, 2016, 80 p.

**Assessing the efficiency of protected areas to represent biodiversity: a small island case study**

Vergilio, M., Fonseca, C., Calado, H., Borges, P. A. V., Elias, R. B., Gabriel, R., Martins, A., Azevedo, E. & Cardoso, P., 2016, In: Environmental Conservation. 43, 4, p. 337-349 13 p.

**Challenges, advances and perspectives in island biogeography**

Borges, P., Cardoso, P., Gabriel, R., Ah-Peng, C. & Emerson, B., 2016, In: Frontiers of Biogeography. 8, 2, 10 p., e29136.

**New records and detailed distribution and abundance of species collected between 1999 and 2011 in Azorean native forests**

BALA Group, 2016, In: Biodiversity Data Journal. 4, 84 p., e10948.

**Optimal inventorying and monitoring of taxon, phylogenetic and functional diversity**

Cardoso, P., Carvalho, J., Crespo, L. & Arnedo, M., 2016, (Submitted) In: BioRxiv beta : the preprint server for biology.

**RED - IUCN Redlisting Tools**

Cardoso, P., 2016

**Sistema do Frade: classificação dos espeleotemas e contribuições para o conhecimento do carso da Arrábida ocidental**

Santos, J., Rasteiro, F., Carvalho, R. & NECA - Nucleo de Espeleologia da Costa Azul, 2016, Setúbal: Associação de Municípios da Região de Setúbal. 345 p.

**Species conservation profile of the alpine stenoendemic spider Vesubia jugorum (Araneae, Lycosidae) from the Maritime Alps**

Mammola, S., Milano, F., Cardoso, P. & Isaia, M., 2016, In: Biodiversity Data Journal. 4, 15 p., e10527.

**Species conservation profile of the cave spider Turinyphia cavernicola (Araneae, Linyphiidae) from Terceira Island, Azores, Portugal**

Borges, P. A. V., Crespo, L. C. & Cardoso, P., 2016, In: Biodiversity Data Journal. 4, p. 1-12 12 p., e10274.

**Species conservation profiles compliant with the IUCN Red List of Threatened Species**

Cardoso, P., Stoev, P., Georgiev, T., Senderov, V. & Penev, L., 2016, In: Biodiversity Data Journal. 4, p. 1-4 4 p., e10356.

### **Topography-driven isolation, speciation and a global increase of endemism with elevation**

Steinbauer, M., Field, R., Grytnes, J.-A., Trigas, P., Ah-Peng, C., Attorre, F., Birks, J., Borges, P. A. V., Cardoso, P., Chou, C.-H., De Sanctis, M., Duarte, M., Elias, R., Fernandez-Palacios, J.-M., Gabriel, R., Gereau, R., Gillespie, R., Greimler, J., Harter, D., Huang, T.-J., & 13 others Irl, S., Jeanmonod, D., Jentsch, A., Jump, A., Kueffer, C., Nogue, S., Otto, R., Price, J., Romeiras, M., Strasberg, D., Stuessy, T., Vetaas, O. & Beierkuhnlein, C., 2016, In: *Global Ecology and Biogeography*. 25, 9, p. 1097-1107 11 p.

### **Modeling directional spatio-temporal processes in island biogeography**

Carvalho, J. C., Cardoso, P., Rigal, F., Triantis, K. A. & Borges, P. A. V., Oct 2015, In: *Ecology and Evolution*. 5, 20, p. 4671-4682 12 p.

### **The Colonisation of Exotic Species Does Not Have to Trigger Faunal Homogenisation: Lessons from the Assembly Patterns of Arthropods on Oceanic Islands**

Florencio, M., Lobo, J. M., Cardoso, P., Almeida-Neto, M. & Borges, P. A. V., 29 May 2015, In: *PLoS One*. 10, 5, 16 p., 0128276.

### **Quantitative tools and simultaneous actions needed for species conservation under climate change-reply to Shoo et al. (2013)**

Ahteensuu, M., Aikio, S., Cardoso, P., Hyvarinen, M., Hallfors, M., Lehvavirta, S., Schulman, L. & Vaara, E., Mar 2015, In: *Climatic Change*. 129, 1-2, p. 1-7 7 p.

### **BAT - Biodiversity Assessment Tools, an R package for the measurement and estimation of alpha and beta taxon, phylogenetic and functional diversity**

Cardoso, P., Rigal, F. & Carvalho, J. C., Feb 2015, In: *Methods in Ecology and Evolution*. 6, 2, p. 232-236 5 p.

### **Arthropods and other biota associated with Azorean trees & shrubs: *Juniperus brevifolia***

Nunes, R., Gabriel, R., Elias, R., Rigal, F., Soares, A., Cardoso, P. & Borges, P., 2015, In: *Arquipelago*. 32, p. 19-48 30 p.

### **Assessing the conservation status of the strict endemic Desertas wolf spider, *Hogna ingens* (Araneae, Lycosidae)**

Crespo, L. C., Silva, I., Borges, P. A. V. & Cardoso, P., Dec 2014, In: *Journal for Nature Conservation*. 22, 6, p. 516-524 9 p.

### **Drivers of beta diversity in Macaronesian spiders in relation to dispersal ability**

Carvalho, J. C. & Cardoso, P., Oct 2014, In: *Journal of Biogeography*. 41, 10, p. 1859-1870 12 p.

### **The gambin model provides a superior fit to species abundance distributions with a single free parameter: evidence, implementation and interpretation**

Matthews, T. J., Borregaard, M. K., Umland, K. I., Borges, P. A. V., Rigal, F., Cardoso, P. & Whittaker, R. J., Oct 2014, In: *Ecography*. 37, 10, p. 1002-1011 10 p.

### **Functional biogeography of oceanic islands and the scaling of functional diversity in the Azores**

Whittaker, R. J., Rigal, F., Borges, P. A. V., Cardoso, P., Terzopoulou, S., Casanoves, F., Pla, L., Guilhaumon, F., Ladle, R. J. & Triantis, K. A., 23 Sept 2014, In: *Proceedings of the National Academy of Sciences of the United States of America*. 111, 38, p. 13709-13714 6 p.

### **Potential distribution and cost estimation of the damage caused by *Cryptotermes brevis* (Isoptera: Kalotermitidae) in the Azores**

Guerreiro, O., Cardoso, P., Ferreira, J. M., Ferreira, M. T. & Borges, P. A. V., Aug 2014, In: *Journal of Economic Entomology*. 107, 4, p. 1554-1562 9 p.

### **Prioritizing non-marine invertebrate taxa for Red Listing**

Gerlach, J., Samways, M. J., Hochkirch, A., Seddon, M., Cardoso, P., Clausnitzer, V., Cumberlidge, N., Daniel, B. A., Black, S. H., Ott, J. & Williams, P. H., Aug 2014, In: *Journal of Insect Conservation*. 18, 4, p. 573-586 14 p.

**On three endemic species of the linyphiid spider genus *Canariphantes* Wunderlich, 1992 (Araneae: Linyphiidae) from the Azores archipelago**

Crespo, L., Bosmans, R., Cardoso, P. M. & Borges, P., Jul 2014, In: *Zootaxa*. 3841, p. 403-417 15 p.

**A new frontier in biodiversity inventory: a proposal for estimators of phylogenetic and functional diversity**

Cardoso, P., Rigal, F., Borges, P. A. V. & Carvalho, J. C., May 2014, In: *Methods in Ecology and Evolution*. 5, 5, p. 452-461 10 p.

**Partitioning taxon, phylogenetic and functional beta diversity into replacement and richness difference components**

Cardoso, P., Rigal, F., Carvalho, J. C., Fortelius, M., Borges, P. A. V., Podani, J. & Schmera, D., Apr 2014, In: *Journal of Biogeography*. 41, 4, p. 749-761 13 p.

**Spatial distribution of Madeira Island Laurisilva endemic spiders (Arachnida: Araneae)**

Crespo, L., Boieiro, M., Cardoso, P. M., Aguiar, C., Amorim, I., Barrinha, C., Borges, P., Menezes, D., Pereira, F., Rego, C., Ribeiro, S., Silva, I. & Serrano, A., 14 Feb 2014, In: *Biodiversity Data Journal*. 2, p. e1051 60 p., e1051.

**BAT - Biodiversity Assessment Tools**

Cardoso, P. M., Rigal, F. & Carvalho, J., 2014

**Biodiversidade, endemismos e espécies protegidas associadas às lagoas e cursos de água da Serra da Estrela: valorização de um século de aproveitamento hidroelétrico**

Boieiro, M., Aguiar, C., Antunes, S., Bivar de Sousa, A., Borges, P., Cardoso, P. M., Conde, J., Figueiredo, H., Garcia-Pereira, P., Monteiro, E., Rego, C., Soares, A. & Serrano, A., 2014, In: *Ecologi@*. 7, p. 92-94 3 p.

**Conflito entre actividades humanas e a conservação de endemismos insulares numa área de elevada biodiversidade à escala mundial**

Boieiro, M., Aguiar, A., Aguiar, C., Borges, P., Cardoso, P. M., Crespo, L., Farinha, A., Hortal, J., Silva, P., Menezes, D., Palma, C., Pereira, F., Prado e Castro, C., Rego, C., Silva, P., Santos, A., Silva, I., Sousa, J. & Serrano, A., 2014, In: *Ecologi@*. 7, p. 85-88 4 p.

**Efficiency of sampling methods and effort to assess arthropod diversity in Azorean native forests**

Gaspar, C., Cardoso, P. M., Borges, P. & Gaston, K., 2014, In: *Arquipelago*. 31, p. 21-36 16 p.

**Madeira, a Pérola da Biodiversidade: valorização dos habitats naturais e dos endemismos do arquipélago**

Boieiro, M., Aguiar, A., Aguiar, C., Borges, P., Cardoso, P. M., Crespo, L., Menezes, D., Pereira, F., Rego, C., Silva, I., Silva, P. & Serrano, A., 2014, *Sociedade Portuguesa de Entomologia*. 80 p.

**Arthropod assemblage homogenization in oceanic islands: the role of indigenous and exotic species under landscape disturbance**

Florencio, M., Cardoso, P., Lobo, J. M., de Azevedo, E. B. & Borges, P. A. V., Nov 2013, In: *Diversity and Distributions*. 19, 11, p. 1450-1460 11 p.

**Measuring fractions of beta diversity and their relationships to nestedness: a theoretical and empirical comparison of novel approaches**

Carvalho, J. C., Cardoso, P., Borges, P. A. V., Schmera, D. & Podani, J., Jun 2013, In: *Oikos*. 122, 6, p. 825-834 10 p.

**Spatial Factors Play a Major Role as Determinants of Endemic Ground Beetle Beta Diversity of Madeira Island Laurisilva**

Boieiro, M., Carvalho, J. C., Cardoso, P., Aguiar, C. A. S., Rego, C., de Faria e Silva, I., Amorim, I. R., Pereira, F., Azevedo, E. B., Borges, P. A. V. & Serrano, A. R. M., 27 May 2013, In: *PLoS One*. 8, 5, 10 p.

**Integrating Landscape Disturbance and Indicator Species in Conservation Studies**

Cardoso, P., Rigal, F., Fattorini, S., Terzopoulou, S. & Borges, P. A. V., 1 May 2013, In: *PLoS One*. 8, 5, 10 p.

**Advances in Artificial Intelligence: Local Proceedings**

Correia, L. (ed.), Reis, L. P. (ed.), Cascalho, J. (ed.), Gomes, L. M. (ed.), Guerra, H. (ed.) & Cardoso, P. M. (ed.), 2013, *Ponta Delgada: CMATI - University of the Azores*. 620 p.



**New records of exotic spiders and insects to the Azores, and new data on recently introduced species**

Borges, P., Reut, M., da Ponte, N., Quartau, J., Fletcher, M., Bivar de Sousa, A., Pollet, M., Onofre Soares, A., Marcelino, J., Rego, C. & Cardoso, P. M., 2013, In: Arquipelago. 30, p. 57-70 4 p.

**On the endemic spider species of the genus *Savigniorhipis* Wunderlich, 1992 (Araneae: Linyphiidae) in the Azores (Portugal), with description of a new species**

Crespo, L. C., Bosmans, R., Cardoso, P. & Borges, P. A. V., 2013, In: Zootaxa. 3745, 3, p. 330-342 13 p.

**Rapid biodiversity assessment, faunistics and description of a new spider species (Araneae) from Desertas Islands and Madeira (Portugal)**

Crespo, L. C., Silva, I., Borges, P. A. V. & Cardoso, P. M., 2013, In: Revista Ibérica de Aracnología. 2013, 23, p. 11-23 13 p.

**Determinants of spider species richness in coastal dunes along a gradient of mediterraneity**

CARVALHO, J. C., CARDOSO, P., CRESPO, L. C., HENRIQUES, S., CARVALHO, RUI. & GOMES, P., 2012, In: Insect Conservation and Diversity.

**Determining the relative roles of species replacement and species richness differences in generating beta-diversity patterns**

Carvalho, J. C., Cardoso, P. & Gomes, P., 2012, In: Global Ecology and Biogeography.

**Diversity and community assembly patterns of epigeal vs. troglobiont spiders in the Iberian Peninsula**

Cardoso, P., 2012, In: International Journal of Speleology. 41, 1, p. 9 1 p.

**Habitats Directive species lists: urgent need of revision**

CARDOSO, P., 2012, In: Insect Conservation and Diversity.

**Prey-race drives differentiation of biotypes in ant-eating spiders**

Pekár, S., Smerda, J., Hrusková, M., Sedo, O., Muster, C., Cardoso, P., Zdráhal, Z., Korenko, S., Bures, P. & Liznarová, E., 2012, In: Journal of Animal Ecology.

**Resolving the Azorean knot: a response to Carine Schaefer (2010)**

Triantis, K. A., Hortal, J., Amorim, I., Cardoso, P., Santos, A., Gabriel, R. & Borges, P. A. V., 2012, In: Journal of Biogeography.

**The comparison of site spider "biodiversity quality" in Portuguese protected areas**

Feest, A. & Cardoso, P., 2012, In: Ecological Indicators. 14, 1, p. 229-235 7 p.

**The underrepresentation and misrepresentation of invertebrates in the IUCN Red List**

Cardoso, P., Borges, P. A. V., Triantis, K. A., Ferrández, M. A. & Martin, J. L., 2012, In: Biological Conservation.

**Use of arthropod rarity for area prioritisation: insights from the Azorean islands**

Fattorini, S., Cardoso, P., Rigal, F. & Borges, P. A. V., 2012, In: PLoS One. 7, 3, p. e33995

**Volcanic caves: priorities for conserving the Azorean endemic troglobiont species**

Paulo, AV., Cardoso, P., Amorim, I. R., Pereira, F., Constância, J. P., Nunes, J. C., Barcelos, P., Costa, P., Gabriel, R. & Dapkevicus, M. L., 2012, In: International Journal of Speleology. 41, 1, p. 11 1 p.

**Adapting the IUCN Red List criteria for invertebrates**

Cardoso, P., Borges, P. A. V., Triantis, K. A., Ferrández, M. A. & Martin, J. L., 2011, In: Biological Conservation.

Biogeographic patterns of spiders in coastal dunes along a gradient of mediterraneity

Carvalho, J. C., Cardoso, P., Crespo, L. C., Henriques, S., Carvalho, R. & Gomes, P., 2011, In: Biodiversity and Conservation. p. 1-22 22 p.

Determinants of beta diversity of spiders in coastal dunes along a gradient of mediterraneity

Carvalho, J. C., Cardoso, P., Crespo, L. C., Henriques, S., Carvalho, R. & Gomes, P., 2011, In: Diversity and Distributions.

Global patterns of guild composition and functional diversity of spiders

Cardoso, P., Pekár, S., Jocqué, R. & Coddington, J., 2011, In: PLoS One.

Macroecological patterns of species distribution, composition and richness of the Azorean terrestrial biota

Borges, P. A., Cardoso, P., Cunha, R. T., Gabriel, R., Gonçalves, V., Hortal, J., Martins, A. M., Melo, I., Rodrigues, P. & Santos, A. M., 2011, In: *Ecologi@*. 1, p. 22-35

Selection of priority areas for arthropod conservation in the Azores archipelago

Gaspar, C., Gaston, K. J., Borges, P. A. V. & Cardoso, P., 2011, In: *Journal of Insect Conservation*. p. 1-14 14 p.

The seven impediments in invertebrate conservation and how to overcome them

Cardoso, P., Erwin, T. L., Borges, P. A. V. & New, T. R., 2011, In: *Biological Conservation*.

Update to the zodariid spider fauna of the Iberian Peninsula and Madeira (Araneae: Zodariidae)

PEKÁR, S., CARDOSO, P., BARRIGA, J. C. & CARVALHO, J. C., 2011, In: *Zootaxa*. 2814, p. 19-32 14 p.

A review of the Linyphiid spiders of Portugal, with the description of six new species (Araneae: Linyphiidae)

Bosmans, R., Cardoso, P. & Crespo, L. C., 14 May 2010, In: *Zootaxa*. 2473, p. 1-67 67 p.

Drivers of diversity in Macaronesian spiders and the role of species extinctions

Cardoso, P., Arnedo, M. A., Triantis, K. A. & Borges, P. A. V., 2010, In: *Journal of Biogeography*. 37, 6, p. 1034-1046 13 p.

Envenenamento por aranhas em Portugal: Verdade ou Mito?

Cardoso, P. & Almeida, A. P. G., 2010, In: *Acta Médica Portuguesa*. 23, p. 33-38 6 p.

Extinction debt on oceanic islands

Triantis, K. A., Borges, P. A. V., Ladle, R. J., Hortal, J., Cardoso, P., Gaspar, C., Dinis, F., Mendonca, E., Silveira, L. & Gabriel, R., 2010, In: *Ecography*. 33, 2, p. 285-294 10 p.

Iberian spider catalogue (v1. 0)

Morano, E. & Cardoso, P., 2010

Natural history of the Iberian solifuge *Gluvia dorsalis* (Solifuges: Daesiidae)

Hrusková-MartISOVÁ, M., Pekár, S. & Cardoso, P., 2010, In: *Journal of Arachnology*. 38, 3, p. 466-474 9 p.

The Azorean Biodiversity Portal: an internet database for regional biodiversity outreach

PAULO, A. V. B., GABRIEL, R., ARROZ, A. N. A. M., COSTA, ANA., REGINA, T. C., SILVA, L., MENDONÇA, E., ANTÓNIO, M. F. M., FRANCISCO, R. & CARDOSO, P., 2010, In: *Systematics and Biodiversity*. 8, 4, p. 423-434 12 p.

The Iberian spider checklist (Araneae)

Cardoso, P. & Morano, E., 2010, In: *Zootaxa*. 2495, p. 1-52 52 p.

Using taxonomically unbiased criteria to prioritize resource allocation for oceanic island species conservation

Martin, J. L., Cardoso, P., Arechavaleta, M., Borges, P. A. V., Faria, B. F., Abreu, C., Aguiar, A. F., Carvalho, J. A., Costa, A. C. & Cunha, R. T., 2010, In: *Biodiversity and Conservation*. 19, 6, p. 1659-1682 24 p.

Ad-hoc vs. standardized and optimized arthropod diversity sampling

Cardoso, P., Crespo, L. C., Carvalho, R., Rufino, A. C. & Henriques, S. S., 2009, In: *Diversity (Basel)*. 1, 1, p. 36-51 16 p.

A spatial scale assessment of habitat effects on arthropod communities of an oceanic island

Cardoso, P., Aranda, S. C., Lobo, J. M., Dinis, F., Gaspar, C. & Borges, P. A. V., 2009, In: *Acta Oecologica*. 35, 5, p. 590-597 8 p.

First record of the spider family Symphytognathidae in Europe and description of *Anapistula ataecina* sp. n.(Araneae)

Cardoso, P. & Scharff, N., 2009, In: *Zootaxa*. 2246, p. 45-57 13 p.

Portugal spider catalogue

Cardoso, P., 2009

Species richness and composition assessment of spiders in a Mediterranean scrubland

Cardoso, P., Henriques, S. S., Gaspar, C., Crespo, L. C., Carvalho, R., Schmidt, J. B., Sousa, P. & Szuts, T., 2009, In: *Journal of Insect Conservation*. 13, 1, p. 45-55 11 p.

Spiders (Arachnida: Araneae) from the Paúl de Arzila Natural Reserve (Portugal)

Crespo, L. C., Cardoso, P., Carvalho, R., Henriques, S. & Rufino, A. C., 2009, In: *Boletín de la SEA*. 44, p. 305-313 9 p.

Spiders (Arachnida: Araneae) from the Selvagens Islands (Portugal): additions to the current knowledge

Crespo, L., Cardoso, P., Silva, I. & Menezes, D., 2009, In: *Boletín de la SEA*. 45, p. 343-348 6 p.

Spiders (Araneae) from Porto Santo (Madeira, Portugal): Additions to the current knowledge

Crespo, L. C., Cardoso, P., Henriques, S. & Gaspar, C., 2009, In: *Boletín de la SEA*. 45, p. 471-475 5 p.

Standardization and optimization of arthropod inventories—the case of Iberian spiders

Cardoso, P., 2009, In: *Biodiversity and Conservation*. 18, 14, p. 3949-3962 14 p.

Testing the performance of beta diversity measures based on incidence data: the robustness to undersampling

Cardoso, P., Borges, P. A. V. & Veech, J. A., 2009, In: *Diversity and Distributions*. 15, 6, p. 1081-1090 10 p.

Two new *Tegenaria* species (Araneae: Agelenidae) from Portugal

Bolzern, A., Crespo, L. & Cardoso, P., 2009, In: *Zootaxa*. 2068, p. 47-58 12 p.

Assessing spider species richness and composition in Mediterranean cork oak forests

Cardoso, P., Gaspar, C., Pereira, L. C., Silva, I., Henriques, S. S., da Silva, R. R. & Sousa, P., 2008, In: *Acta Oecologica*. 33, 1, p. 114-127 14 p.

Biodiversity and conservation of Iberian spiders: past, present and future

Cardoso, P., 2008, In: *Boletín de la SEA*. 42, p. 487-492 6 p.

La perspectiva archipelágica: Azores

Cardoso, P., Borges, P. A. V., Costa, A. C., da Cunha, R. T., Gabriel, R., de Frias Martins, A. M., Silva, L., Homem, N., Martins, M. & Rodrigues, P., 2008, *Top 100*. p. 79-107 29 p.

New and first records of Polyxenida (Diplopoda: Penicillata) from Portugal.

Cardoso, P., Nguyen Duy-Jacquemin, M. & Rasteiro, F., 2008, In: *Boletín de la SEA*. 42, p. 360-360 1 p.

Rapid biodiversity assessment of spiders (Araneae) using semi-quantitative sampling: a case study in a Mediterranean forest

Cardoso, P., Scharff, N., Gaspar, C., Henriques, S. S., CARVALHO, RUI., Castro, P. H., SCHMIDT, J. B., Silva, I., SZÜTS, T. & De Castro, A., 2008, In: *Insect Conservation and Diversity*. 1, 2, p. 71-84 14 p.

Biotic integrity of the arthropod communities in the natural forests of Azores

Cardoso, P., Borges, P. A. V. & Gaspar, C., 2007, In: *Biodiversity and Conservation*. 16, 10, p. 2883-2901 19 p.

Seasonality of spiders (Araneae) in Mediterranean ecosystems and its implications in the optimum sampling period

Cardoso, P., Silva, I., DE OLIVEIRA, N. G. & SERRANO, A. R. M., 2007, In: *Ecological Entomology*. 32, 5, p. 516-526 11 p.

The genus *Malthonica* Simon, 1898 in the Iberian Peninsula (Araneae: Agelenidae)

Barrientos, J. A. & Cardoso, P., 2007, In: *Zootaxa*. 1460, p. 59-68 10 p.

Taxonomic Review of the Portuguese Nemesiidae (Araneae, Mygalomorphae)

Decae, A., Cardoso, P. & Selden, P., 2006, In: *Revista Ibérica de Aracnología*. 14, p. 1-18 18 p.

Ant-eating spiders (Araneae: Zodariidae) of Portugal: additions to the current knowledge

Pekár, S. & Cardoso, P., 2005, In: *Zootaxa*. 1009, p. 51-60 10 p.

Iberesia, a new genus of trapdoor spiders (Araneae, Nemesiidae) from Portugal Spain

Decae, A. & Cardoso, P., 2005, In: *Revista Ibérica de Aracnología*. 12, p. 3-11 9 p.

Higher taxa surrogates of spider (Araneae) diversity and their efficiency in conservation

Cardoso, P., Silva, I., de Oliveira, N. G. & Serrano, A. R. M., 2004, In: *Biological Conservation*. 117, 4, p. 453-459 7 p.

Indicator taxa of spider (Araneae) diversity and their efficiency in conservation

Cardoso, P., Silva, I., de Oliveira, N. G. & Serrano, A. R. M., 2004, In: *Biological Conservation*. 120, 4, p. 517-524 8 p.

The use of arachnids (Class Arachnida) in biodiversity evaluation and monitoring of natural areas

Cardoso, P., 2004, 172 p.

Additions to the knowledge of Portuguese zodariid spiders (Araneae: Zodariidae)

Pekár, S., Cardoso, P. & Meierrose, C., 2003, In: *British Arachnological Society. Bulletin*. 12, 9, p. 385-395 11 p.

Description of the supposed male *Nemesia hispanica* L. Koch in Ausserer, 1871 (Araneae: Nemesiidae)

CARDOSO, P., 2000, In: *Ekológia (Bratislava)*. 19, p. 31-36 6 p.

Portuguese spiders (Araneae): a preliminary checklist

CARDOSO, P., 2000, In: *Ekológia (Bratislava)*. 19, supl 3, p. 19-29 11 p.

## Projects

### Biodiversity drivers on islands and continents

Cardoso, P. M. & Macias Hernandez, N.

01/10/2016 → 30/09/2019

### Disentangling mechanisms of evolutionary radiations in tropics by integrating big data with new phylogenetic approaches

Tarasov, S., Cardoso, P. M., Losacco, F., Merrien, T., Montanaro, G., Porch, N., Rossini, M., Vieira Lopes, F. R. & Viljanen, H.

Academy of Finland

01/09/2020 → 31/08/2024

### **Ecology and conservation of the critically endangered Frade Cave Spider (*Anapistula ataecina*)**

Cardoso, P. M.  
01/10/2015 → 30/06/2017

### **Global trade of live tarantulas**

Cardoso, P. M. & Fukushima, C. S.

### **IUCN Red List Assessment of 15 priority tarantula species**

Cardoso, P. M. & Fukushima, C. S.

### **Towards a sampled red list index for arachnids at a global level**

Cardoso, P. M.  
01/07/2015 → 31/12/2016

### **Trait-based prediction of extinction risk**

Cardoso, P. M., Juslén, A., Chichorro de Carvalho, F. & Correia, L.  
01/06/2016 → 31/05/2019

### **METAFOR: Unraveling metacommunity functional structure – a global synthesis**

Rodrigues Leandro Roza, C. G., Soininen, J., Cardoso, P. M., Mammola, S., Chase, J. M. & Gossner, M. M.

## **Activities**

### **Adam Toomes**

Pedro Miguel Cardoso (Host)  
21 Feb 2022 → 4 Mar 2022

### **Luis Crespo**

Pedro Miguel Cardoso (Host)  
6 Dec 2021 → 16 Dec 2021

### **Paulo Borges**

Pedro Miguel Cardoso (Host)  
22 Nov 2021 → 26 Nov 2021

### **Ricardo Costa**

Pedro Miguel Cardoso (Host)  
22 Nov 2021 → 26 Nov 2021

### **Luis Correia**

Pedro Miguel Cardoso (Host)  
8 Nov 2021 → 12 Nov 2021

### **Jonas Wolff**

Pedro Miguel Cardoso (Host)  
4 Sept 2019 → 6 Sept 2019

### **Klaus Birkhofer**

Pedro Miguel Cardoso (Host)  
4 Sept 2019 → 6 Sept 2019

### **Stano Pekar**

Pedro Miguel Cardoso (Host)  
2 Sept 2019 → 6 Sept 2019

**Stefano Millano**

Pedro Miguel Cardoso (Host)  
25 Mar 2019 → 29 Mar 2019

**Marja Milicic**

Pedro Miguel Cardoso (Host)  
3 Mar 2019 → 23 Mar 2019

**Carla Rego**

Pedro Miguel Cardoso (Host)  
4 Nov 2018 → 2 Dec 2018

**Mario Boieiro**

Pedro Miguel Cardoso (Host)  
4 Nov 2018 → 2 Dec 2018

**Paulo A. V. Borges**

Pedro Miguel Cardoso (Host)  
24 Sept 2018 → 30 Sept 2018

**Francois Rigal**

Pedro Miguel Cardoso (Host)  
23 Sept 2018 → 6 Oct 2018

**Jagoba Malumbres-Olarte**

Pedro Miguel Cardoso (Host)  
23 Sept 2018 → 23 Oct 2018

**Postdoctoral co-supervisor of Jagoba Malumbres-Olarte (University of the Azores, Portugal)**

Pedro Miguel Cardoso (Co-supervisor)  
1 Jul 2018 → 30 Sept 2019

**Stefano Mammola**

Pedro Miguel Cardoso (Host)  
20 May 2018 → 26 May 2018

**Postdoctoral supervisor of Caroline Fukushima (University of Helsinki, Finland)**

Pedro Miguel Cardoso (Supervisor)  
1 May 2018 → 30 Apr 2021

**Jose Carlos Carvalho**

Pedro Miguel Cardoso (Host)  
3 Apr 2018 → 10 Apr 2018

**Marja Miličić**

Pedro Miguel Cardoso (Host)  
19 Mar 2018 → 5 May 2018

**Tarantula Trinational Trade and Enforcement Workshop**

Pedro Miguel Cardoso (Chair)  
27 Feb 2018 → 2 Mar 2018

**PhD juri of Debora Henriques (University of the Azores, Portugal)**

Pedro Miguel Cardoso (Opponent)

23 Feb 2018

**Austral entomology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2018

**Canadian Journal of Zoology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2018

**Ecological Informatics (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2018

**Ecology Letters (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2018

**Experimental & Applied Acarology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2018

**Italian journal of zoology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2018

**Journal of Biology and Nature (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2018

**Koedoe (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2018

**Natura Croatica : Periodicum Musei Historiae Naturalis Croatici (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2018

**Pacific Conservation Biology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2018

**Science of the Total Environment (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2018

**Turkish Journal of Zoology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2018

**Biogeography, macroecology and conservation of arachnids at a global scale, what future?**

Pedro Miguel Cardoso (Keynote speaker)

7 Dec 2017

**PhD juri of Leonardo Carvalho (Federal University of Minas Gerais, Brazil)**

Pedro Miguel Cardoso (Opponent)

1 Dec 2017

**Universidade Federal de Minas Gerais**

Pedro Miguel Cardoso (Visiting researcher)

29 Nov 2017 → 9 Dec 2017

**Universidade de Cabo Verde**

Pedro Miguel Cardoso (Visiting researcher)

23 Oct 2017 → 15 Nov 2017

**Seminars Uni-CV**

Pedro Miguel Cardoso (Invited speaker)

12 Oct 2017

**Postdoctoral co-supervisor of Marco Girardello (University of the Azores, Portugal)**

Pedro Miguel Cardoso (Co-supervisor)

1 Oct 2017 → 30 Jun 2018

**IUCN**

Pedro Miguel Cardoso (Visiting researcher)

7 Sept 2017 → 8 Sept 2017

**PhD co-supervision of Joana Ferreira (University of Edinburgh, UK)**

Pedro Miguel Cardoso (Co-supervisor)

1 Jun 2017 → 31 May 2025

**Parque Natural da Madeira**

Pedro Miguel Cardoso (Visiting researcher)

20 Apr 2017 → 13 May 2017

**Jose Cascalho**

Pedro Miguel Cardoso (Host)

30 Jan 2017 → 11 Feb 2017

**Joana Ferreira**

Pedro Miguel Cardoso (Host)

29 Jan 2017 → 4 Feb 2017

**Sergio Henriques**

Pedro Miguel Cardoso (Host)

15 Jan 2017 → 15 Feb 2017

**Rui Carvalho**

Pedro Miguel Cardoso (Host)

7 Jan 2017 → 19 Apr 2017

**Animal Conservation. (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2017



**Arachnologische Mitteilungen (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2017

**Biota Neotropica (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2017

**Conservation Biology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2017

**Ecological Research (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2017

**Ecosphere (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2017

**Environmental Conservation (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2017

**Global Ecology and Biogeography (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2017

**Journal of Biogeography (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2017

**Nature Conservation (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2017

**PhD co-supervision of Rui Carvalho (University of the Azores, Portugal)**

Pedro Miguel Cardoso (Co-supervisor)

1 Jan 2017 → 31 Dec 2020

**PhD thesis pre-examiner of Anna Suuronen (University of Jyväskylä, Finland)**

Pedro Miguel Cardoso (Pre-examiner)

1 Jan 2017

**PhD thesis pre-examiner of Mustafa Soliman (University of Cairo, Egypt)**

Pedro Miguel Cardoso (Pre-examiner)

1 Jan 2017

**Proceedings of the Royal Society B. Biological Sciences (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2017

**Restoration Ecology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2017

**Tropical Zoology (Journal)**  
Pedro Miguel Cardoso (Reviewer)  
1 Jan 2017

**Molecular Ecology (Journal)**  
Pedro Miguel Cardoso (Reviewer)  
2017

**IUCN Redlisting – concepts and tools**  
Pedro Miguel Cardoso (Chair)  
5 Dec 2016 → 7 Dec 2016

**BAT - Biodiversity Assessment Tools**  
Pedro Miguel Cardoso (Chair)  
1 Dec 2016

**International Conference on Invertebrate Evolution and Conservation**  
Pedro Miguel Cardoso (Keynote speaker)  
1 Dec 2016

**PhD supervision of Dinarte Teixeira (University of Madeira, Portugal)**  
Pedro Miguel Cardoso (Supervisor)  
1 Oct 2016 → 30 Sept 2020

**Postdoctoral supervisor of Nuria Macias-Hernandez (University of Helsinki, Finland)**  
Pedro Miguel Cardoso (Supervisor)  
1 Oct 2016 → 30 Sept 2019

**Marja Miličić**  
Pedro Miguel Cardoso (Host)  
12 Sept 2016 → 7 Oct 2016

**PhD co-supervision of Luis Carlos Crespo (University of Barcelona, Spain)**  
Pedro Miguel Cardoso (Co-supervisor)  
1 Aug 2016 → 31 Jul 2020

**II International Conference on Island Evolution, Ecology, and Conservation**  
Pedro Miguel Cardoso (Speaker: Keynote)  
18 Jul 2016 → 22 Jul 2016

**II International Conference on Island Evolution, Ecology, and Conservation**  
Pedro Miguel Cardoso (Speaker: Presenter)  
18 Jul 2016 → 22 Jul 2016

**II International Conference on Island Evolution, Ecology, and Conservation**  
Pedro Miguel Cardoso (Scientific Committee Member)  
18 Jul 2016 → 22 Jul 2016

**20th International Congress of Arachnology**  
Pedro Miguel Cardoso (Speaker: Presenter)  
2 Jul 2016 → 9 Jul 2016

**PhD supervision of Filipe Chichorro de Carvalho (University of Helsinki, Finland)**

Pedro Miguel Cardoso (Supervisor)

1 Jul 2016 → 30 Jun 2020

**IUCN Redlisting – concepts and tools (course)**

Pedro Miguel Cardoso (Chair)

30 Jun 2016 → 2 Jul 2016

**MSc supervision (Claire Vincent, Université Blaise Pascal)**

Pedro Miguel Cardoso (Supervisor)

1 Jun 2016 → 31 Aug 2016

**Conservation planning for Hogna ingens (workshop)**

Pedro Miguel Cardoso (Chair)

9 May 2016 → 10 May 2016

**PhD co-supervision of Sérgio Henriques (University College London, UK)**

Pedro Miguel Cardoso (Co-supervisor)

1 May 2016 → 30 Sept 2019

**International Union for the Conservation of Nature (External organisation)**

Pedro Miguel Cardoso (Expert)

1 Apr 2016 → ...

**MSc supervision (Sini Seppälä, University of Helsinki)**

Pedro Miguel Cardoso (Supervisor)

1 Apr 2016 → 31 Mar 2017

**Paulo Borges**

Pedro Miguel Cardoso (Host)

13 Mar 2016 → 20 Mar 2016

**Rosalina Gabriel**

Pedro Miguel Cardoso (Host)

13 Mar 2016 → 20 Mar 2016

**Charismatic Invertebrates Red Listing**

Pedro Miguel Cardoso (Chair)

3 Feb 2016 → 5 Feb 2016

**Marija Milicic**

Pedro Miguel Cardoso (Host)

10 Jan 2016 → 10 Feb 2016

**African Journal of Ecology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**Agriculture, Ecosystems & Environment (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**Arachnology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**Arid Land Research and Management (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**Conservation Biology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**Ecological Indicators (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**Ecological Modelling (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**Environmental Management (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**Insect Conservation and Diversity (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**International Journal of Ecology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**International Journal of Speleology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**Island Studies Journal (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**Journal of Insect Conservation (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**Methods in Ecology and Evolution (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**ZooKeys (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**ZooKeys (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2016

**ZooKeys (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2016

**ZooKeys (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2016

**2nd Portuguese Meeting on Biodiversity and Conservation of Invertebrates**

Pedro Miguel Cardoso (Speaker: Keynote)  
12 Dec 2015 → 13 Dec 2015

**Use of UAV drones in science and ecology**

Pedro Miguel Cardoso (Attendee)  
11 Nov 2015 → 12 Nov 2015

**3rd IUCN Species Survival Commission Leaders Meeting**

Pedro Miguel Cardoso (Attendee)  
12 Sept 2015 → 18 Sept 2015

**Heliyon (Journal)**

Pedro Miguel Cardoso (Member of editorial board)  
1 Sept 2015 → 1 Sept 2017

**16th European Congress of Arachnology**

Pedro Miguel Cardoso (Speaker: Presenter)  
24 Aug 2015 → 28 Aug 2015

**Course "IUCN Redlisting – concepts and tools"**

Pedro Miguel Cardoso (Chair)  
22 Aug 2015 → 23 Aug 2015

**Unknown Person**

Pedro Miguel Cardoso (Host)  
4 Aug 2015 → 13 Aug 2015

**University of Barcelona**

Pedro Miguel Cardoso (Visiting researcher)  
9 Jul 2015 → 10 Jul 2015

**Uruguayan National Agency for Research and Innovation (External organisation)**

Pedro Miguel Cardoso (Assessment)  
29 Jun 2015

**Course "IUCN Redlisting – concepts and tools"**

Pedro Miguel Cardoso (Chair)  
3 Jun 2015 → 5 Jun 2015

**Unknown Person**

Pedro Miguel Cardoso (Host)  
19 May 2015 → 22 May 2015

**Unknown Person**

Pedro Miguel Cardoso (Host)  
4 May 2015 → 9 May 2015

**Course "Applied Methods in Biogeography"**

Pedro Miguel Cardoso (Chair)  
16 Feb 2015 → 21 Feb 2015

**Journal of Arachnology (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2015

**Oecologia (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2015

**Peerage of Science (Publisher)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2015

**PhD supervision of Marija Miličić (University of Novi Sad, Serbia)**

Pedro Miguel Cardoso (Supervisor)  
1 Jan 2015 → 27 Dec 2017

**PLoS One (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2015

**Revista Ibérica de Aracnología (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2015

**Society and Natural Resources (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2015

**Zoologia (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2015

**European Association of Zoos and Aquaria (External organisation)**

Pedro Miguel Cardoso (Expert)  
2015 → ...

**Eureqa software workshop**

Pedro Miguel Cardoso (Chair)  
11 Dec 2014

**Biology of Spiders Workshop**

Pedro Miguel Cardoso (Speaker: Keynote)  
9 Dec 2014 → 11 Dec 2014

**Biology of Spiders Workshop**

Pedro Miguel Cardoso (Speaker: Keynote)  
9 Dec 2014 → 11 Dec 2014

**Arachnoseminar**

Pedro Miguel Cardoso (Speaker: Keynote)  
14 Nov 2014

**PhD thesis pre-examiner of Enric Planas (University of Barcelona, Spain)**

Pedro Miguel Cardoso (Pre-examiner)  
10 Sept 2014

**PhD thesis pre-examiner of Vera Opatova (University of Barcelona, Spain)**

Pedro Miguel Cardoso (Pre-examiner)  
6 Jun 2014

**Unknown Person**

Pedro Miguel Cardoso (Host)  
5 May 2014 → 21 May 2014

**Unknown Person**

Pedro Miguel Cardoso (Host)  
27 Mar 2014 → 24 Apr 2014

**Unknown Person**

Pedro Miguel Cardoso (Host)  
27 Jan 2014 → 28 Feb 2014

**PhD juri of Silvia Calvo (Universidad de Alcala de Henares, Spain)**

Pedro Miguel Cardoso (Opponent)  
15 Jan 2014

**Acta Zoologica Bulgarica (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2014

**Acta Zoologica Bulgarica (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2014

**Ecology (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2014

**Ecosystems (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2014

**Environmental Pollution (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2014

**Journal for Nature Conservation (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2014

**Journal of Arachnology (Journal)**

Pedro Miguel Cardoso (Reviewer)  
1 Jan 2014

**Journal of Biodiversity & Endangered Species (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2014

**Journal of Integrated Coastal Zone Management (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2014

**Marine Ecology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2014

**Methods in Ecology and Evolution (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2014

**Methods in Ecology and Evolution (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2014

**PLoS One (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2014

**Zoosystema (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2014

**International Union for Conservation of Nature (External organisation)**

Pedro Miguel Cardoso (Chair)

2014 → 2018

**Peerage of Science (Publisher)**

Pedro Miguel Cardoso (Reviewer)

2014

**Nikolaj Scharff**

Pedro Miguel Cardoso (Host)

12 Dec 2013

**Arachnoseminar**

Pedro Miguel Cardoso (Speaker: Keynote)

1 Nov 2013

**16th Portuguese Conference on Artificial Intelligence**

Pedro Miguel Cardoso (Member of organizing committee)

9 Sept 2013 → 13 Sept 2013

**16th Portuguese Conference on Artificial Intelligence**

Pedro Miguel Cardoso (Speaker: Presenter)

9 Sept 2013 → 13 Sept 2013



**16th Portuguese Conference on Artificial Intelligence**

Pedro Miguel Cardoso (Speaker: Presenter)

9 Sept 2013 → 13 Sept 2013

**16th Portuguese Conference on Artificial Intelligence**

Pedro Miguel Cardoso (Speaker: Presenter)

9 Sept 2013 → 13 Sept 2013

**1st Portuguese Meeting on Biodiversity and Conservation of Invertebrates**

Pedro Miguel Cardoso (Speaker: Keynote)

3 Jul 2013 → 5 Jul 2013

**Insect Conservation and Diversity (Journal)**

Pedro Miguel Cardoso (Reviewer)

18 Apr 2013

**Diversity (Basel) (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Apr 2013

**Journal of Arachnology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Apr 2013

**Diversity (Basel) (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Feb 2013

**Journal of Arachnology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Feb 2013

**Biodiversity and Conservation (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2013

**Biodiversity Data Journal (Journal)**

Pedro Miguel Cardoso (Member of editorial board)

1 Jan 2013 → ...

**Current zoology (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2013

**Ecography (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2013

**Global Ecology and Biogeography (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2013

**Insect Conservation and Diversity (Journal)**

Pedro Miguel Cardoso (Reviewer)

1 Jan 2013

**Journal of Biogeography (Journal)**  
Pedro Miguel Cardoso (Reviewer)  
1 Jan 2013

**Journal of Biogeography (Journal)**  
Pedro Miguel Cardoso (Reviewer)  
1 Jan 2013

**Journal of Insect Conservation (Journal)**  
Pedro Miguel Cardoso (Reviewer)  
1 Jan 2013

**PLoS One (Journal)**  
Pedro Miguel Cardoso (Reviewer)  
1 Jan 2013

**PLoS One (Journal)**  
Pedro Miguel Cardoso (Reviewer)  
1 Jan 2013

**Insect Conservation and Diversity (Journal)**  
Pedro Miguel Cardoso (Reviewer)  
2013

**ZooKeys (Journal)**  
Pedro Miguel Cardoso (Member of editorial board)  
1 Dec 2012 → ...

**15th Molluscan Forum**  
Pedro Miguel Cardoso (Poster Presentation)  
28 Nov 2012

**PhD thesis pre-examiner of Laia Mestre (Universitat Autònoma de Barcelona, Spain)**  
Pedro Miguel Cardoso (Pre-examiner)  
11 Oct 2012

**Belgian Journal of Zoology (Journal)**  
Pedro Miguel Cardoso (Reviewer)  
10 Oct 2012

**Biological Conservation (Journal)**  
Pedro Miguel Cardoso (Reviewer)  
10 Oct 2012

**Ecography (Journal)**  
Pedro Miguel Cardoso (Reviewer)  
10 Oct 2012

**Journal of Insect Conservation (Journal)**  
Pedro Miguel Cardoso (Reviewer)  
10 Oct 2012

**Journal of Plant Ecology (Journal)**

Pedro Miguel Cardoso (Reviewer)  
10 Oct 2012

**PhD co-supervision of Rui Nunes (University of the Azores, Portugal)**

Pedro Miguel Cardoso (Co-supervisor)  
1 Oct 2012 → 31 Mar 2018

**Predicting the impacts of climate change on the distribution and conservation of endemic terrestrial snails in SPA/SAC Laurissilva da Madeira**

Pedro Miguel Cardoso (Co-supervisor)  
1 Oct 2012 → 27 Jan 2014

**Portuguese Congress of Malacology**

Pedro Miguel Cardoso (Poster Presentation)  
7 Sept 2012 → 9 Sept 2012

**Prion - Priority Optimization Analysis course**

Pedro Miguel Cardoso (Chair)  
6 Sept 2012

**15th Iberian Congress of Entomology**

Pedro Miguel Cardoso (Poster Presentation)  
1 Sept 2012 → 6 Sept 2012

**15th Iberian Congress of Entomology**

Pedro Miguel Cardoso (Scientific Committee Member)  
1 Sept 2012 → 6 Sept 2012

**15th Iberian Congress of Entomology**

Pedro Miguel Cardoso (Speaker: Keynote)  
1 Sept 2012 → 6 Sept 2012

**15th Iberian Congress of Entomology**

Pedro Miguel Cardoso (Attendee)  
1 Sept 2012 → 6 Sept 2012

**15th Iberian Congress of Entomology**

Pedro Miguel Cardoso (Attendee)  
1 Sept 2012 → 6 Sept 2012

**15th Iberian Congress of Entomology**

Pedro Miguel Cardoso (Attendee)  
1 Sept 2012 → 6 Sept 2012

**15th Iberian Congress of Entomology**

Pedro Miguel Cardoso (Poster Presentation)  
1 Sept 2012 → 6 Sept 2012

**15th Iberian Congress of Entomology**

Pedro Miguel Cardoso (Poster Presentation)  
1 Sept 2012 → 6 Sept 2012

**15th Iberian Congress of Entomology**

Pedro Miguel Cardoso (Attendee)

1 Sept 2012 → 6 Sept 2012

**Biodiversity and conservation of spiders in the Desertas Islands**

Pedro Miguel Cardoso (Co-supervisor)

1 Sept 2011 → 31 Oct 2012