

PERSONAL DATA

Name Luís Carlos da Fonseca Crespo
Address Valkenburgseweg 40
 6525CZ Nijmegen
 The Netherlands
Telephone (+31) 0625249686
E-mail luiscarloscrespo@gmail.com
Birthdate 28.11.1982
Birthplace Leiria, Portugal

EMPLOYMENT

2023 *Finnish Museum of Natural History, University of Helsinki, Finland*
Museum Caretaker

2022 *Finnish Museum of Natural History, University of Helsinki, Finland*
Museum Caretaker

EDUCATION

2015 - 2021 *Department of Animal Biology, University of Barcelona, Spain*
PhD in Biodiversity
 Grade: Excellent

2010 - 2013 *Department of Agrarian Sciences, University of Azores, Portugal*
MSc in Management and Conservation of Nature
 Grade: 18 (0-20)

2003 - 2008 *Faculty of Sciences and Technology, University of Coimbra, Portugal*
BSc in Biology
 Grade: 14 (0-20)

RESEARCH INTERESTS

Spider taxonomy.
 Spider systematics and phylogenetic studies.
 Island biogeography.

PUBLICATIONS

Books

2014

- Gonçalves, F., Carlos, C., **Crespo, L.**, Torres, L. *Amigos desconhecidos do agricultor – aracnídeos, insectos e centopeias. Coleção O campo no seu bolso, nº2*. EDIBIO – Edições, Lda., Castelo de Paiva, 118 pp.

2013

- Boieiro, M., Aguiar, A.F., Aguiar, C.A.S., Borges, P.A.V., Cardoso, P., **Crespo, L.**, Menezes, D., Pereira, F., Rego, C., Silva, I., Martins da Silva, P. & Serrano, A.R.M. *Madeira, A Pérola da Biodiversidade: valorização dos habitats naturais e dos endemismos do arquipélago*. Sociedade Portuguesa de Entomologia, Lisboa, 80 pp.

Book chapters

2008

- Cardoso, P. & **Crespo, L.** (2008). *Araneae*. In: Borges, P.A.V., Abreu, C., Aguiar, A.M.F., Carvalho, P., Jardim, R., Melo, I., Oliveira, P., Sérgio, C., Serrano, A.R.M. & Vieira, P. (eds.) A list of the terrestrial fungi, flora and fauna of Madeira and Selvagens archipelagos. Direcção Regional do Ambiente da Madeira and Universidade dos Açores, Funchal and Angra do Heroísmo. pp. 283-286.

Papers in SCI journals

2022

- Crespo, L.C.**, Silva, I., Enguídanos, A., Cardoso, P. & Arnedo, M. Island hoppers: Integrative taxonomic revision of *Hogna* wolf spiders (Araneae: Lycosidae) endemic to the Madeira islands with description of a new species. *Zookeys*. **1086**: 84-135,

- <https://doi.org/10.3897/zookeys.1086.68015>
- 2021
- **Crespo, L.C.**, Silva, I., Enguídanos, A., Cardoso, P. & Arnedo, M. The Atlantic connection: Coastal habitat favoured long distance dispersal and colonization of Azores and Madeira by *Dysdera* spiders (Araneae: Dysderidae). *Systematics and Biodiversity*, **19**: 8, 906-927, DOI: 10.1080/14772000.2021.1946618
 - **Crespo, L.C.**, Silva, I., Enguídanos, A., Cardoso, P. & Arnedo, M. Integrative taxonomic revision of the woodlouse-hunter spider genus *Dysdera* Latreille, 1804 (Araneae, Dysderidae) in the Madeira archipelago with notes on its conservation status. *Zoological Journal of the Linnean Society*, **192**(2): 356-415. doi:10.1093/zoolinnean/zlaa089.
- 2020
- Malumbres-Olarte, J., **Crespo, L.C.**, Domènech, M., Cardoso, P., Moya-Laraño, J., Ribera, C. & Arnedo, M. How Iberian are we? Mediterranean climate determines structure and endemism of spider communities in Iberian oak forests. *Biodiversity and Conservation*, **29**, 3973-3996. <https://doi.org/10.1007/s10531-020-02058-7>.
 - Domènech, M., **Crespo, L.C.**, Enguídanos, A. & Arnedo, M. Mitochondrial discordance in closely related *Theridion* spiders (Araneae, Theridiidae), with description of a new species of the *T. melanurum* group. *Zoosystematics and Evolution*, **96**(1): 159-173.
- 2018
- Malumbres-Olarte, J., **Crespo, L.**, Cardoso, P., Szűtz, T., Fannes, W., Pape, T. & Scharff, N. The same but different: equally megadiverse but taxonomically variant spider communities along an elevational gradient. *Acta Oecologica*, **88**: 19-28.
- 2015
- Parmakelis, A., Rigal, F., Mourikis, T., Balanika, K., Terzopolou, S., Rego, C., Amorim, I.R., **Crespo, L.**, Pereira, F., Triantis, K.A., Whittaker, R.J. & Borges, P.A.V. Comparative phylogeography of endemic Azorean arthropods. *BMC Evolutionary Biology*, **15**: 250.
- 2014
- **Crespo, L.C.**, Silva, I., Borges, P.A.V. & Cardoso, P. Assessing the conservation status of the strict endemic Desertas wolf spider, *Hogna ingens* (Araneae, Lycosidae). *Journal for Nature Conservation*, **22**: 516-524.
 - **Crespo, L.C.**, Bosmans, R., Cardoso, P. & Borges, P. On three endemic species of the linyphiid spider genus *Canariphantes* Wunderlich, 1992 (Araneae, Linyphiidae) from the Azores archipelago. *Zootaxa*, **3841**: 403-417.
- 2013
- **Crespo, L.C.**, Bosmans, R., Cardoso, P. & Borges, P. On the endemic spider species of the genus *Savigniorhipis* Wunderlich, 1992 (Araneae: Linyphiidae) in the Azores (Portugal), with description of one new species. *Zootaxa*, **3745**: 330-342.
- 2011
- Carvalho, J.C., Cardoso, P., **Crespo, L.C.**, Henriques, S., Gomes, P. & Carvalho, R. Determinants of beta diversity of spiders in coastal dunes along a gradient of mediterraneity. *Diversity and Distributions*, **17**: 225-234.
- 2010
- **Crespo, L.C.** & Mendes, S. *Trachyzelotes minutus*, a new zelotine ground spider (Araneae: Gnaphosidae: Zavattarininae) species from southern Portugal. *The Journal of Arachnology*, **38**: 588-591.
 - Bosmans, R., Cardoso, P. & **Crespo, L.C.** A review of the Linyphiid spiders of Portugal, with the description of six new species (Araneae: Linyphiidae). *Zootaxa*, **2473**: 1-67.
- 2009
- Cardoso, P., **Crespo, L.C.**, Carvalho, R., Rufino, A.C. & Henriques, S.S. Ad-hoc vs. standardized and optimized spider sampling protocols. *Diversity*, **1**: 36-51. doi:10.3390/d1010036
 - Bolzern, A., **Crespo, L.** & Cardoso, P. (2009). Two new *Tegenaria* species (Araneae: Agelenidae) from Portugal. *Zootaxa*, **2068**: 47-58.
 - Cardoso, P., Henriques, S.S., Gaspar, C., **Crespo, L.C.**, Carvalho, R., Schmidt, J.B., Sousa, P. & Szűtz, T. (2009). Species richness and composition assessment of spiders in a Mediterranean scrubland. *Journal of Insect Conservation*, **13**: 45-55.
- 2008
- Cardoso, P., Scharff, N., Gaspar, C., Henriques, S.S., Carvalho, R., Castro, P.H., Schmidt, J.B., Silva, I., Szűtz, T., Castro, A. & **Crespo, L.C.** (2008). Rapid biodiversity assessment of spiders (Araneae) using semi-quantitative sampling: a case study in a Mediterranean forest. *Insect Conservation and Diversity*, **1**: 71-84.

Papers in

2020

refereed journals

- Malumbres-Olarte, J., Boieiro, M., Cardoso, P., Carvalho, R., **Crespo, L.C.**, Gabriel, R., Macías-Hernández, N., Paulo, O.S., Pereira, F., Rego, C., Ros-Prieto, A., Silva, I., Vieira, A., Rigal, F. & Borges, P.A.V. Standardised inventories of spiders (Arachnida, Araneae) of Macaronesia II: The native forests and dry habitats of Madeira archipelago (Madeira and Porto Santo islands). *Biodiversity Data Journal*, **8**: e47502 (14 Jan 2020) doi: 10.3897/BDJ.8.e47502.
- 2019
 - Malumbres-Olarte, J., Cardoso, P., **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. Standardised inventories of spiders (Arachnida, Araneae) of Macaronesia I: The native forests of the Azores (Pico and Terceira islands). *Biodiversity Data Journal*, **7**: e32625 (16 Apr 2019) doi: 10.3897/BDJ.7.e32625.
- 2018
 - **Crespo, L.C.**, Domènech, M., Enguídanos, A., Malumbres-Olarte, J., Cardoso, P., Moya-Laraño, J., Frías-Lopez, C., Macías-Hernández, N., De Mas, E., Mazzuca, P., Mora, E., Opatova, V., Planas, E., Ribera, C., Roca-Cusachs, M., Ruiz, D., Sousa, P., Tonzó, V. & M. Arnedo. A DNA barcode-assisted annotated checklist of the spider (Arachnida, Araneae) communities associated to white oak woodlands in Spanish National Parks. *Biodiversity Data Journal*, **6**: e29443 (29 Nov 2018) doi: 10.3897/BDJ.6.e29443.
- 2017
 - Cardoso, P., **Crespo, L.C.**, Silva, I.F., Borges, P.A.V. & Boieiro, M. Species conservation profiles of endemic spiders (Araneae) from Madeira and Selvagens archipelagos, Portugal. *Biodiversity Data Journal*, **5**: e20810 (18 Oct 2017) doi: 10.3897/BDJ.5.e20810.
- 2014
 - **Crespo, L.C.**, Boieiro, M., Cardoso, P., Aguiar, A.S., Amorim, I.R., Barrinha, C., Borges, P.A.V., Menezes, D., Pereira, F., Rego, C., Ribeiro, S., Silva, I.F. & Serrano, A.M. Spatial distribution of Madeira Island Laurisilva endemic spiders (Arachnida: Araneae). *Biodiversity Data Journal*, **2**: e1051 (14 Feb 2014) doi: 10.3897/BDJ.2.e1051.
- 2013
 - **Crespo, L.C.**, Silva, I., Borges, P.A.V. & Cardoso, P. Rapid biodiversity assessment, faunistics and description of new spider species (Araneae) from Desertas Islands and Madeira (Portugal). *Revista Ibérica de Aracnología*, **23**: 11-23.
- 2012
 - **Crespo, L.C.** & Muster, C. *Philodromus pinetorum* Muster, 2009, a new species to the Portuguese and Iberian spider (Araneae: Philodromidae) fauna. *Revista Ibérica de Aracnología*, **21**: 59-60.
- 2011
 - Tavares, C., Gouveia, F., Oliveira, N., **Crespo, L.C.**, Mateus, C. & Rebelo, T. Ground-dwelling spiders (Araneae) in pear orchards in the Oeste region of Portugal. *Revista Ibérica de Aracnología*, **19**: 147-156.
- 2010
 - **Crespo, L.C.**, Mendes, S. & Prado e Castro, C. Two additions to the portuguese and iberian spider (Arachnida: Araneae) fauna. *Graellsia*, **66**(1): 97-100.
- 2009
 - **Crespo, L.C.**, Cardoso, P., Henriques, S.S. & Gaspar, C. Spiders (Araneae) from Porto Santo (Portugal, Madeira): Additions to the current knowledge. *Boletín de la Sociedad Entomológica Aragonesa*, **45**(2009): 471-475.
 - **Crespo, L.C.**, Cardoso, P., Silva, I. & Menezes, D. Spiders (Arachnida: Araneae) from the Selvagens Islands (Portugal): Additions to the current knowledge. *Boletín de la Sociedad Entomológica Aragonesa*, **45**(2009): 343-348.
 - **Crespo, L.C.**, Cardoso, P., Carvalho, R., Henriques, S.S. & Rufino, A.C. (2009). Spiders (Arachnida: Araneae) from the Paúl de Arzila Natural Reserve (Portugal). *Boletín de la Sociedad Entomológica Aragonesa*, **44**(2009): 305-313.
- 2008
 - **Crespo, L.** (2008). Contribution to the knowledge of the Portuguese spider (Arachnida: Araneae) fauna: seven new additions to the portuguese checklist. *Boletín de la Sociedad Entomológica Aragonesa*, **43**(2008): 403-407.
- Communications
 - 2022
 - Enguídanos García, A., Tonzó, V., **Crespo, L.C.** & Arnedo, M. Genomic-wide screening uncovers admixture between madeiran wolf spiders. (poster in the Congress of the European Society for Evolutionary Biology, Prague, 14-19 August, 2022)
 - 2019

- **Crespo. L.**, Silva, I., Enguídanos, A., Cardoso, P. & Arnedo, M. The Atlantic connection: an unexpected finding in the radiation of the genus *Dysdera* (Araneae, Dysderidae) in the Madeira archipelago. (oral presentation in the IX Biennial Conference of the International Biogeography Society, Málaga)
- 2018
 - **Crespo. L.**, Silva, I., Enguídanos, A., Cardoso, P. & Arnedo, M. The Atlantic connection: when spiders dare to swim across the ocean. (oral presentation in the 18th Jornadas Ibéricas de Aracnología, Barcelona)
- 2014
 - **Crespo. L.C.**, Silva, I., Borges, P.A.V. & Cardoso, P. Assessing the conservation status of the endemic Desertas wolf spider, *Hogna ingens* (Araneae, Lycosidae). (oral communication presented in the 28th European Congress of Arachnology, Torino)
 - **Crespo. L.C.** & Henrard, A. The genus *Orchestina* Simon, 1882 (Araneae: Oonopidae) in the Mediterranean: how many species are there? (poster presented in the 28th European Congress of Arachnology, Torino)
 - Gonçalves, F., **Crespo, L.**, Carlos, C., Sousa, S., Nóbrega, M., Soares, R. & Torres, L. Which is the role of non-crop habitats on biodiversity of ground-dwelling spiders in vineyards of Douro Demarcated Region, Portugal? (poster presented in the Pure – IPM Innovation Congress, Poznan, 25th January)
- 2013
 - **Crespo, L.C.**, Silva, I., Borges, P.A.V. & Cardoso, P. A tarântula-das-Desertas (*Hogna ingens* (Blackwall, 1857)): percepção do risco de extinção de uma aranha notável com distribuição reduzida. (oral presentation in the Encounter for Biodiversity and Conservation of Invertebrates, Lisbon, 5th July)
- 2012
 - **Crespo, L.** Arachnological studies in the portuguese islands: Azores and Madeira. (oral presentation in the annual meeting of the Belgian Arachnological Society, Brussels, 21st January)
- 2009
 - **Crespo. L.C.** Kleptoparasitism in spiders. (oral presentation in the course of "Biologic Interactions", of the Masters in Biology and the Masters of Ecology degree of the Faculty of Sciences and Technology of the University of Coimbra)
- 2006
 - **Crespo. L.**, Cardoso, P., Menezes, D., Silva, I. Contribution to the knowledge of spiders (Araneae) in the Savage Islands. (poster presented in the 23rd European Colloquium of Arachnology, Sitges Barcelona 2006)

PROJECTS

- 2016 – 2020** *OENOPION (Testing adaptive radiation and speciation mechanisms in the highly diverse spider genus Dysdera: the island lineages)*. Funded by Ministerio de Economía y Competitividad, Spain, budget 153.000,00 €. Department of Evolutionary Biology, Ecology and Environmental Sciences (Arthropods), University of Barcelona. Project coordinator: Prof. Miquel Arnedo. PhD student. Project ref. CGL2016-80651-P.
- 2016 – 2019** *MACDIV – Macaronesian islands as a testing ground to assess biodiversity drivers at multiple scales*. Financed by Fundação para a Ciência e Tecnologia, budget 197.628,00 €. Collaborator. Project ref. FCT-PTDC/BIABIC/0054/2014. Project coordinators: Prof. Paulo Borges & Prof. François Rigal.
- 2014 – 2015** *Reconciling semi-quantitative bioinventorying with DNA barcoding to infer diversity and biogeographical patterns in the Spanish National Parks network*. Funded by Ministerio De Agricultura, Alimentacion y Medio Ambiente, Spain, budget 96.347,00 €. Principal investigator.
- 2014** *Eastern Arc Biodiversity Programme – Discovering, Documenting and Explaining the "Smaller Majority" of the Udzungwa Mountains*. University of Dar Es Salaam & Natural History Museum of Denmark. Project coordinators: Prof. Thomas Pape & Prof. Nikolaj Scharff. Species identification service.
- 2013** *Inventariação Biológica nas Ilhas de Alqueva*

Biota – Environmental Studies, Lda., Portugal
 Financed by EDIA – Empresa de Desenvolvimento e Infra-Estruturas de Alqueva, S.A.

2013 *Conflito entre actividades humanas e a conservação de endemismos insulares numa área de elevada biodiversidade à escala Mundial*
 Faculty of Sciences of the University of Lisbon
 Project coordinator: Artur Serrano.
 Financed by Fundação para a Ciência e Tecnologia.
 Scientific Research grant, project ref. PTDC/BIA-BEC/99138/2008.

2011 – 2012 *SOST-MAC*
 ITB – Environmental consulting, Portugal
 Inventory, Conservation plan and Monitoring of the Arachnids of the Vale da Castanheira (Deserta Grande, Madeira).
 Financed by Secretaria Regional do Ambiente e Recursos Naturais da Região Autónoma da Madeira.

2010 – 2011 *Previsão de extinções em ilhas: uma avaliação em várias escalas*
 CITA-A, University of Azores, Portugal.
 Project coordinator: Paulo Borges.
 Financed by Fundação para a Ciência e Tecnologia.
 Scientific Research grant, project ref. PTDC/BIA-BEC/100182/2008.

2008 *ITB - Environmental consulting, Portugal*
 Collaboration with a monitoring study of a golf course in the island of Porto Santo, Madeira.
 Financed by Sociedade de Desenvolvimento de Porto Santo.

2006 *Synthesys project DK-TAF 2471*
 Zoological Museum of Copenhagen, Denmark
 August 21st to September 2nd.
 Project coordinator: Prof. Henrik Enghoff.

TAXONOMIC EXPERTISE

Main interests Speciose spider genera found in the Mediterranean, Macaronesia and the Afrotropics.

Described species

- *Canariphantes junipericola* Crespo & Bosmans, 2014
- *Canariphantes relictus* Crespo & Bosmans, 2014
- *Dysdera cetophonorum* Crespo & Arnedo, 2021
- *Dysdera citauca* Crespo & Arnedo, 2021
- *Dysdera dissimilis* Crespo & Arnedo, 2021
- *Dysdera exigua* Crespo & Cardoso, 2021
- *Dysdera isambertoii* Crespo & Cardoso, 2021
- *Dysdera precaria* Crespo, 2021
- *Dysdera recondita* Crespo & Arnedo, 2021
- *Dysdera sandrae* Crespo, 2021
- *Dysdera teixeirai* Crespo & Cardoso, 2021
- *Dysdera titanica* Crespo & Arnedo, 2021
- *Eratigena barrientosi* Bolzern, Crespo & Cardoso, 2009
- *Eratigena incognita* Bolzern, Crespo & Cardoso, 2009
- *Hogna isambertoii* Crespo, 2022
- *Marinarozelotes minutus* (Crespo, 2010)
- *Parapelecopsis conimbricensis* Bosmans & Crespo, 2010
- *Pelecopsis monsantensis* Bosmans & Crespo, 2010
- *Savigniorrhhipis topographicus* Crespo, 2013
- *Theridion promiscuum* Domènech & Crespo, 2020
- *Typhochrestus madeirensis* Crespo, 2013

COURSES & WORKSHOPS

2017

- *Filogenias y Genealogías de DNA: Reconstrucción y Aplicaciones.*
 University of Barcelona, Spain, July 4th to July 14th.
 Course coordinators: Dr. Julio Rozas & Dra. Marta Riutort.

2010

- *European Distributed Institute of Taxonomy (EDIT) traineeship: Identification of Afrotropical Spiders.*
 Royal Museum for Central Africa, Tervuren, Belgium, January 10th to January 30st.

- Course mentor: Dr. Rudy Jocqué
Course coordinator: Dr. Isabella Van de Velde.
- **2008** "*Days of Arachnology*" (*speaker*)
Introductory course to the study of spiders and other arachnids, 12th to 13th April.
Organized by Nebulis - Biology Students Nucleus of the University of Lisbon.
University of Lisbon, Portugal
 - **2007** "*III Estou às Aranhas!*" (*speaker*)
Introductory course to the study of spiders and other arachnids, 8th April. Organized
by NEBUP - the Biology Students Nucleus of the University of Oporto.
University of Oporto, Portugal
 - **2006** "*II Estou às Aranhas!*" (*speaker*)
Introductory course to the study of spiders and other arachnids, 25th to 26th March.
Organized by Nebulis - Biology Students Nucleus of the University of Lisbon.
University of Lisbon, Portugal.
 - **2005** "*I Estou às Aranhas!*" (*speaker*)
Introductory course to the study of spiders and other arachnids, 5th to 6th
November. Organized by NEB/AAC - the Biology Students Nucleus of the Academic
Association of Coimbra.
University of Coimbra, Portugal.
 - **2004** "*Insectarium – preparation and conservation of insects.*" (participant)
5th April, in the "VIII National Meeting of Biology Students."
University of Coimbra, Portugal

MEETINGS

- **2019** *IX Biennial Conference of the International Biogeography Society*
University of Málaga, 8th–12nd January, Spain.
- **2018** *XVIII Jornadas Ibéricas de Aracnología*
Natural Sciences Museum of Barcelona, 5th–7th October, Spain.
- *XXXVII Meeting of the Willi Hennig Society*
Natural Sciences Museum of Barcelona, 16th and 20th September, Spain.
- **2015** *DNA Barcoding Symposium*
Beatrixgebouw - Jaarbeurs, Utrecht, 3rd June, The Netherlands.
- *Encounter for Biodiversity and Conservation of Invertebrates*
CISE – Centro de Interpretação da Serra da Estrela, Seia, 12th and 13th December,
Portugal.
- **2014** *28th European Colloquium of Arachnology*
24th to 29th, August, Torino, Italy.
- **2013** *Encounter for Biodiversity and Conservation of Invertebrates*
Faculty of Sciences of the University of Lisbon, 3rd to 5th July, Lisbon.
- **2006** *23rd European Colloquium of Arachnology*
4th to 8th, September, Sitges, Barcelona, Spain.

LANGUAGES

Portuguese	Mother language.
English	Writing, reading and speaking - high proficiency.
Spanish	Basic.
French	Basic.

NON-PROFESSIONAL ACTIVITIES

- 2014 – 2021** Member of the European Society of Arachnology.
- 2006** Member of the Nucleus of Biology Students of the Academic Association of Coimbra.
- Trekking**
- Birdwatching**
- Geocaching**
- Real Time Strategy games**
- Board games**