



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE _4712_

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at Dipartimento di Scienze e Politiche Ambientali _

Scientist- in - charge: _Prof. Diego Rubolini _

[Teresa Militão]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	MILITÃO
Name	TERESA
Date of birth	16 th March 1985

PRESENT OCCUPATION

Appointment	Structure
External collaborator	University of Barcelona (Spain)

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Biology	University of Aveiro (Portugal)	2008
PhD	Biodiversity	University of Barcelona (Spain)	2016
Master	Biodiversity	University of Barcelona (Spain)	2009
Workshop	Modelling individual histories with state uncertainty	Center for Evolutionary and Functional Ecology (CEFE). Montpellier (France)	2018
Workshop	Valencia International Bayesian Summer School	University of Valencia (Spain)	2017
Workshop	Capture-recapture and capture-recovery analysis for the study of animal population	IMEDEA (CSIC – UIB) Esporles (Spain)	2014

FOREIGN LANGUAGES

Languages	level of knowledge
English	Fluent



Spanish	Fluent
Catalan	Basic
Portuguese	Native

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2015	2nd World Seabird Conference Travel Award. Awarding entity: World Seabird Union and The African Seabird Group
2009-2013	PhD Grant. Awarding entity: Fundação para a Ciência e a Tecnologia
2007-2008	Erasmus fellowship. Internship developed at the University of Barcelona.
2003-2004	Award for the student with the highest grade who entered in Biology degree in 2003/2004 in the University of Aveiro

TRAINING OR RESEARCH ACTIVITY

Research activity:

Over the last 13 years, I have been working on the **ecology and conservation of seabirds** in the Atlantic and Mediterranean. During my **PhD**, I was focused on evaluating the use of stable isotope analysis (SIA) as a geographic marker of seabird **non-breeding distribution** and understanding the **migratory ecology** of seabirds using geolocation or a combination of SIA and geolocation data. My PhD thesis allowed to fill in the gap of knowledge of the migratory strategies of 7 shearwaters, 4 petrels and 1 gull species breeding in the Mediterranean and Atlantic, among them the **black-legged kittiwake** and **Scopoli's shearwater**. After my PhD thesis, I coordinated a **complex seabird conservation project** in Cabo Verde which allowed me to continue implicated in the study of the movement ecology (e.g. of the European storm petrel) but also in avian conservation biology, species distribution and population dynamics, which are essential to preserving the threatened or poorly known bird species and their habitats. Until now, I participated in **3 scientific projects** and my scientific production is constituted by **18 articles published in SCI** journals, 2 popular science papers, 2 books (seabird-specific monographs) and 4 scientific-technical reports. I devoted a great effort to the **dissemination of my results** through 15 oral communications and 6 posters as first-author presented in national and international conferences with different publics (from non-specialist audiences to very specific scientific ones) and by given interview to the program Our Blue Planet of the BBC Earth (<https://www.facebook.com/watch/?v=347048989363751>). Additionally, I **revised 18 manuscripts** submitted to 12 different SCI journals and I contributed to the **conservation status assessment** of 2 species to the IUCN Red List of Threatened Species. Furthermore, I am developing my **capacity-building and supervising** skill by supervising 2 PhD, 4 Master and 6 Bachelor students.

Fieldwork Training

I have been participating and coordinating seabird fieldwork in Cabo Verde and Canary islands since 2008. During this period, I gained vast experience on different **censuses and monitoring techniques**, such as capturing, ringing, measuring and taking biological samples (blood, feathers, uropygial fat, faeces, parasites), nest prospection, monitoring breeding performance, monitoring activity by using sound recorders and using drones to census and prospect areas difficult to access. I also have a vast **experience in deploying and**



recovering tracking devices (geolocators, GPS, GPS/GSM, AxyTrek) in different shearwater, petrels and tropicbird species.

Data analysis training

I have a large experience in **manipulating and analysing complex data** such as both **light and activity geolocation data** using BASTrak and Migrate Technology software, as well as, different R packages (probGLS, SGAT, GeoLight, BASTag, adehabitatHR) and geographic system programs (ArcGIS and QGIS). I also have experience in analysing **GPS data** mainly from CatLog and Pathtrack devices (kernel, EMbC) and demographic data using U-care, Mark, RMark and basic knowledge of E-SURGE. Moreover, my statistical skills include running mixed and additive models (LMM, GLMM, GAM, GAMM, SIMMR) and I attended a workshop to learn how to apply Bayesian analysis to Species Distribution modelling.

PROJECT ACTIVITY

Year	Project
2017-2019	Coordinator of the project: “Alcyon Programme - promoting the conservation of seabirds in Cabo Verde – Sotavento Islands”. MAVA Foundation and BirdLife International. Main researcher: Dr Jacob González-Solís.
2015-2016	Researcher of the project: “Identification of the main foraging areas of the Gongon petrel (<i>Pterodroma feae</i>) in Cape Verde”. BirdLife International. Main researcher: Dr Jacob González-Solís.
2010-2012	Researcher of the project: “Ecología pelágica y estrategias migratorias de las aves marinas en el Atlántico”. CGL2009-11278/BOS, Programa Nacional de Biodiversidad, Ciencias de la Tierra y Cambio Global (Biodiversidad), Ministerio de Ciencia e Innovación, Spain. Main researcher: Dr. Jacob González-Solís.

CONGRESSES AND SEMINARS

Date	Title	Place
Nov/2019	XXIV Congreso Español y VII Ibérico de Ornitología	Cádiz, Spain
Jul/2019	Australasian Ornithological Conference	Darwin, Australia
Mar/2019	BOU conference - Tracking migration: drivers, challenges and consequences of seasonal movements	Warwick, United Kingdom
Nov/2018	MICRO2018 International Conference – Fate and Impacts of Microplastics: Knowledge, actions and solutions	Lanzarote, Spain
Mar/2017	BOU conference - From avian tracking to population processes.	Warwick, United Kingdom
Oct/2016	The 14th Pan African Ornithological Congress	Dakar, Senegal
Sep/2016	The Sixth International Albatross and Petrel	Barcelona, Spain



	Conference	
May/2016	MICRO 2016. Fate and impact of microplastics in marine ecosystems: from the coastline to the open sea.	Lanzarote, Spain
Apr/2016	IX congresso de ornitologia da SPEA e VI congresso ibérico de ornitologia	Vila Real, Portugal
Oct/2015	2 nd World Seabird Conference	Cape Town, South Africa
Mar/2014	VIII Ornithology congress of SPEA	Almada, Portugal
Sep/2013	37th Annual Meeting of the Waterbird Society	Wilhelmshaven, Germany
Jul/2013	Society for Experimental Biology (SEB)	Valencia, Spain
Dec/2012	XXI Congreso Español y V Ibérico de Ornitología	Vitoria, Spain
Aug/2012	The Fifth International Albatross and Petrel Conference	Wellington, New Zealand
Feb/2012	39th Pacific Seabird Group	Hawaii, USA
Oct/2011	SPEA VII Ornithology Congress & I Macaronesia Ornithology Conference	Machico (Madeira), Portugal
Sep/2011	11th International Seabird Group Conference	Plymouth, United Kingdom
Apr/2011	British Ornithologist Union Annual Conference	Leicester, United Kingdom
Dec/2010	XX Congreso Español de Ornitología	Tremp, Spain
Oct/2010	VII Congreso del Grupo Ibérico de Aves Marinas	Santurtzi, Spain
Sep/2010	1st World Seabird Conference One 1st author poster; one co-author poster	Victoria, Canada
Dec/2009	IV Congreso Ibérico de ornitología	Elvas, Portugal
Jul/2009	I Iberian Symposium on geometric morphometrics	Sabadell, Spain
Nov/2007	31st Annual Meeting of the Waterbird Society	Barcelona, Spain

PUBLICATIONS

Books
Cruz-Flores, M., Ramos, R., Sardà-Serra, M., López-Souto, S., Militão, T. , González-Solís, J. (2019): Migración y ecología espacial de la población española del petrel de Bulwer [<i>Migration and spatial ecology of the Spanish</i>



population of *Bulwer's petrel*]. Monografía nº 4 del programa Migra. SEO/BirdLife, Madrid. 72 pp.
https://www.seo.org/boletin/seguimiento/migracion/04_petrel_bulwer/html5forpc.html?page=0

Reyes-González, J.M., Zajková, Z., Morera-Pujol, V., De Felipe, F., **Militão, T.**, Dell'Arciccia, G., Ramos, R., Igual, J.M., Arcos, J. M., González-Solís, J. (2017): Migración y ecología espacial de las poblaciones españolas de pardela cenicienta [*Migration and spatial ecology of the Spanish populations of Scopoli's and Cory's shearwaters*]. Monografía nº 3 del programa Migra. SEO/BirdLife, Madrid. 152 pp.
https://www.seo.org/boletin/seguimiento/migracion/03_pardela_cenicienta/html5forpc.html?page=0

Articles with a peer review process

Semedo G., Paiva, V.H., **Militão T.**, Rodrigues, I., Dinis, H.A., Pereira, J., Matos, D., Ceia, F.R., Almeida, N.M., Geraldés, P., Saldanha, S., Barbosa, N., Hernández-Montero, M., Fernandes, C., González-Solís, J., Ramos, J.A. (2020) Distribution, abundance, and on-land threats to Cabo Verde seabirds. *Bird Conservation International*, 1-24. Early View

Ramos, R., Reyes-González, J.M., Morera-Pujol, V., Zajková, Z., **Militão, T.**, González-Solís, J. (2020) Environmental versus individual effects on trophic ecology: a 17-year isotopic study of a long-lived seabird. *Ecological Indicators* 111: 105963.

Zango, L., Reyes-González, J.M., **Militão, T.**, Zajková, Z., Álvarez-Alonso, E., Ramos, R., González-Solís, J. (2019) Year-round individual specialization in the feeding ecology of a long-lived seabird. *Scientific Reports* 9: 11812.

De Felipe, F., Reyes-González, J.M., **Militão, T.**, Neves, V., Bried, J., Oro, D., Ramos, R., González-Solís, J. (2019) Does sexual segregation occur during the non-breeding period? A comparative analysis in spatial and feeding ecology of three *Calonectris* shearwaters. *Ecology and Evolution* 9: 10145-10162.

Diop N., Tidiane Ba, C., Ibnou Ndiaye, P., **Militão, T.**, González-Solís, J. (2019) Population size and breeding phenology of red-billed tropicbirds (*Phaethon aethereus*) on Iles de la Madeleine, Senegal. *Waterbirds* 42:100-106

Oppel, S., Bolton, M., Carneiro, A., Dias, M., Green, J., Masello, J., Owen, E., Phillips, R., Quillfeldt, P., Beard, A., Bertrand, S., Blackburn, J., Boersma, D., Borges, A., Broderick, A., Catry, P., Cleasby, I., Clingham, E., Creuwels, J., Crofts, S., Cuthbert, R., Dallmeijer, H., Davies, R., Davies, D., Dilley, B., Dinis, H., Dossa, J., Dunn, M., Efe, M., Fayet, A., Figueiredo, L., Pereira Frederico, A., Gjerdrum, C., Godley, B., Granadeiro, J., Guilford, T., Hamer, K., Hazin, C., Hedd, A., Henry, L., Hernández-Montero, M., Hinke, J., Kokubun, N., Leat, E., McFarlane Tranquilla, L., Metzger, B., **Militão, T.**, Montrond, G., Mullié, W., Padget, O., Pearmain, E., Pollet, I., Puetz, K., Quintana, F., Ratcliffe, N., Ronconi, R., Ryan, P., Saldanha, S., Shoji, A., Sim, J., Small, C., Soanes, L., Takahashi, A., Trathan, P.N., Trivelpiece, W., Veen, J., Wakefield, E., Weber, N., Weber, S., Zango, L., González-Solís, J., Croxall, J. (2018) Spatial scales of marine conservation management for breeding seabirds. *Marine Policy* 98: 37-46

Cruz-Flores, M., **Militão, T.**, Ramos, R., González-Solís, J. (2018) Using marine isoscapes to infer movements of oceanic migrants: the case of Bulwer's petrel (*Bulweria bulwerii*) in the Atlantic Ocean. *PLoS ONE* 13: e0198667

Zajková, Z., **Militão, T.**, González-Solís, J. (2017) Year-round movements of a small seabird and oceanic isotopic gradient in the tropical Atlantic. *Marine Ecology Progress Series* 579:169-183.



<p>Militão, T., Andrade Dinis, H., Zango, L., Calabuig, P., Stefan, L.M., González-Solís, J. (2017) Population size, breeding biology and on-land threats of Cape Verde petrel (<i>Pterodroma feae</i>) in Fogo Island, Cape Verde. PLoS ONE 12: e0174803.</p>
<p>Krüger, L., Paiva, V.H., Xavier, J.C., Grémillet, D., González-Solís, J., Kolbeinsson, Y., Militão, T., Navarro, J., Petry, M.V., Phillips, R.A., Ramírez, I., Reyes-González, J.M., Ryan, P.G., Sigurðsson, I.A., Wanless, R.M., Van Sebille, E., Ramos, J. (2017) Identification of candidate pelagic marine protected areas through a seabird seasonal-, multispecific- and extinction risk-based approach. Animal Conservation 20: 409-424</p>
<p>Ramos, R., Ramírez, I., Paiva, V.H., Militão, T., Biscoito, M., Menezes, D., Phillips, R.A., Zino, F., González-Solís, J. (2016) Global spatial ecology of three closely-related gadfly petrels that breed in Macaronesia. Scientific Reports 6: 23447.</p>
<p>Ramos, R., Sanz, V., Militão, T., Bried, J., Neves, V.C., Biscoito, M., Phillips, R.A., Zino, F., González-Solís, J. (2015) Leapfrog migration and habitat preferences of a small oceanic seabird, Bulwer's petrel (<i>Bulweria bulwerii</i>). Journal of Biogeography 42 (9): 1651-1664.</p>
<p>Militão, T., Gómez-Díaz, E., Kaliontzopoulou, A., González-Solís, J. (2014) Comparing multiple criteria for species identification in two recently diverged seabirds. PLoS ONE 9(12): e115650</p>
<p>Codina-García, M., Militão, T., Moreno, J., González-Solís, J. (2013) Plastic debris in Mediterranean seabirds. Marine Pollution Bulletin 77: 220-226.</p>
<p>Arizmendi-Mejía, R., Militão, T., Viscor, G., González-Solís, J. (2013) Pre-breeding ecophysiology of a long-distance migratory seabird. Journal of Experimental Marine Biology and Ecology 443: 162-168.</p>
<p>Militão, T., Bourgeois, K., Roscales, J.L., González-Solís, J. (2013) Individual migratory patterns of two threatened seabirds using stable isotope and geolocation analyses. Diversity and Distributions 19:317-329.</p>
<p>Garnier, R., Ramos, R., Staszewski, V., Militão, T., Lobato, E., González-Solís, J., Boulinier, T. (2012) Maternal antibody persistence: a neglected life history trait with implications from albatross conservation to comparative immunology. Proceedings of the Royal Society of London B. 279:2033-2041</p>
<p>González-Solís, J., Smyrli, M., Militão, T., Grémillet, D., Tveraa, T., Phillips, R.A., Boulinier, T. (2011) Combining stable isotope analyses and geolocation to reveal kittiwake migration. Marine Ecology Progress Series 435: 251-261.</p>
<p>Ramos, R., Militão, T., González-Solís, J., Ruiz, X. (2009): Moulting strategies of a long distance migratory seabird: the Mediterranean Cory's shearwater. In: Ibis 151: 151-159.</p>

OTHER INFORMATION

<p>Member of a follow-up panel of one PhD student (Fernando Medrano) at Universitat de Barcelona 2020-2024</p>
<p>Member of an evaluation panel of 4 Master theses in Universitat de Barcelona during the academic course of 2018/2019</p>
<p>Co-supervisor of 2 PhD students and supervisor of 4 Master and 6 Bachelor students</p>
<p>Reviewer of 18 manuscripts: Ecology and Evolution (1 article), Frontiers in Ecology and Evolution (1 article), IBIS (1 article), Journal of Avian Biology (1 article), Journal of Experimental Marine Biology and Ecology (1</p>



article), Journal of Field Ornithology (1 article), Marine Biology (4 articles), Marine Ecology Progress Series (3 articles), Marine Pollution Bulletin (1 article), PLoS One (1 article), Royal Society Open Science (1 article), Wader Study (2 articles)
Co-editor and co-author of the action plan for the conservation of Cabo Verde seabird species (2019-2020)
The IUCN Red List of Threatened Species contributor for the <i>Calonectris edwardsii</i> (Cape Verde shearwater) species conservation status assessment (2016)
The IUCN Red List of Threatened Species contributor for the <i>Pterodroma feae</i> (Cape Verde Petrel) species conservation status assessment (2016)
Interview to the program Our Blue Planet of the BBC Earth (https://www.facebook.com/watch/?v=347048989363751).

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: _Barcelona_, _4th October 2020_

SIGNATURE

Teresa Afonso Neto Milifari