

Date of the CVA

14/03/2021

Section A. PERSONAL DATA

Name and Surname	Angela Taboada Palomares	
Researcher's identification number	Researcher ID	K-1744-2014
	Scopus Author ID	7004083413
	ORCID	0000-0002-3494-4806

A.1. Current professional situation

Institution	University of León (Spain)		
Dpt. / Centre	Institute of Environmental Research (IMA), Area of Ecology		
Phone	987293135	Email	angela.taboada@unileon.es
Professional category	Assistant Professor (Profesor Ayudante Doctor)	Start date	2020
Keywords	Global change ecology; Applied ecology; Fire; Atmospheric pollution; Ecological disturbances; Ecosystem services; Ecosystem functioning and resilience		

A.2. General quality indicators of scientific production

A. Supervision of Doctoral Theses:

1.-Project title: Arthropod responses to environmental perturbations and changes in the structure of the vegetation in shrub ecosystems of the Cantabrian Mountains [Respuesta de las comunidades de artrópodos a las perturbaciones y a los cambios en la estructura de la vegetación en ecosistemas de matorral de la Cordillera Cantábrica]. University of León. Doctorate student: Amonio David Cuesta Segura. Obtained qualification: Sobresaliente Cum laude (best), 01/2016

2.-Project title: Effect of human disturbances on ground and rove beetles (Coleoptera: Carabidae and Staphylinidae) in *Quercus pyrenaica* woodlands of north-west Spain [Efecto de las perturbaciones antropogénicas sobre carábidos y estafilínidos (Coleoptera: Carabidae, Staphylinidae) en paisaje forestal de *Quercus pyrenaica* del noroeste de España]. University of León. Doctorate student: Sergio García Tejero. Obtained qualification: Sobresaliente Cum laude (best), 02/2016

B. Scientific production:

- H index: 18 (Date: 02/02/2021)
- Total number of citations: 1102 (16 highly-cited articles with at least 20 citations)
- Average number of citations in the last 5 years (2016-2020): 117.2 citations/year. Number of citations in 2021 (until 02/02/2021): 17 citations
- Total number of scientific publications: 62
- Total number of articles in SCI Journals: 34
- Total number of articles in SCI Journals First Decile (D1): 10 (4 as first author, 2 as senior author)
- Total number of articles in SCI Journals First Quartile (Q1): 23 (7 as first author, 4 as senior author)
- Total number of articles in SCI Journals Second Quartile (Q2): 5 (4 as first author)
- Total number of articles in SCI Journals Third/Fourth Quartile (Q3-Q4): 6 (1 as first author)

- Total number of articles in SCI Journals as First Author: 12
- Total number of articles in SCI Journals as Senior Author: 4

Section B. SUMMARY OF THE CURRICULUM

I obtained my BSc (Extraordinary Degree Award, 2000) and PhD (European Doctor, Distinction Excellent Cum Laude, 2007) in Biology at the University of León (Spain). My PhD was supervised by Dr Salgado and Dr Tárrega from the Univ of León and by Dr Kotze from the Univ of Helsinki (Finland) where I stayed 9 months (2002-6, CIMO Fellowship Programme). After completion of my PhD, I worked as Research Assistant at the Pyrenean Institute of Ecology - CSIC (2007) and as University Lecturer at the Univ of León (2007-8). Then, I moved to the Leuphana Univ Lüneburg (Germany) to collaborate with Prof Assmann and Prof Härdtle, and to lead a Research Project on insect ecology, conservation biology and population management under global change (26 months, 2010/11-13/14, Spanish Ministry of Education). I worked as Postdoctoral Researcher (2015-2020) at the Univ of León developing 3 National and 1 International Research Projects on post-fire restoration of forest ecosystems under new fire regimes (2018-21, Spanish Ministry of Economy and Competitiveness; 2017-19, Junta de Castilla y León), and on the effects of atmospheric pollution on insect pests (Principal Investigator, 2014-15, British Ecological Society, UK; Principal Investigator, 2018-19, Univ of León). I currently work as Assistant Professor at the Univ of León participating in 1 national Research Project (Junta de Castilla y León, 2021-23) and 2 Research Contracts (Cesefor, Taxus, 2020-21). Through my scientific career, I was awarded 7 pre/postdoctoral Fellowships by competitive research schemes and I participated in 23 Research Projects publicly funded (3 as Principal Investigator; 4 international). So far, my research activity has yielded 62 publications, including 34 articles in SCI journals (12 as first author, 4 as senior author; 10 within D1 and 24 within Q1 of their discipline fields). My articles have received 1102 citations (16 cited at least 20 times) with an h index=18. Altogether, I have participated in 42 Conferences (73 communications) and 10 Scientific/Teaching Seminars (6 upon invitation). I served as Associate Editor for The Scientific World Journal, Advances in Ecology, International Scholarly Research Notices, ISRN Entomology and Bulletin Royal Belgian Entomological Society; and Guest Editor for Forests. My scientific responsibilities also included: reviewing 60 manuscripts and 1 Special Issue for 32 top-ranked international journals; managing 4 Research Projects; handling 1 Journal and a Web Page for Science Divulgateion; organising 3 International Congresses (VIII FUEGORED and 12th European Heathland Workshop for research scientists, conservation managers, regional/national administrators), 2 University Specialisation Courses in statistical analysis with R and 6 Science Divulgateion events; reviewing 72 R&D and Science Divulgateion Project proposals for competitive funding calls; evaluating/grading 4 Research Theses; and 4 participations in Public Media. I have lectured at BSc level (Grado en Biología, Grado en Ciencias Ambientales, 2002-8, 2017-20) and MSc level (Master Universitario en Riesgos Naturales, 2017-20) at the University of León and successfully supervised 8 BSc/MSc and 2 PhD students.

Section C. MOST RELEVANT MERITS

C.1. Publications

- 1 **Taboada, A**; Fernández-García, V; Marcos, E; Calvo, L. 2018. Interactions between large high-severity fires and salvage logging on a short return interval reduce the regrowth of fire-prone serotinous forests *Forest Ecology and Management*. 414, pp.54-63.
- 2 **Taboada, A**; Calvo-Fernández, J; Marcos, E; Calvo, L. 2018. Plant and vegetation functional responses to cumulative high nitrogen deposition in rear-edge heathlands *Science of the Total Environment*. 637-638, pp.980-990.
- 3 Calvo-Fernández, J; **Taboada, A**; Fichtner, A; Härdtle, W; Calvo, L; Marcos, E. 2018. Time- and age-related effects of experimentally simulated nitrogen deposition on the functioning of montane heathland ecosystems *Science of the Total Environment*. 613-614, pp.149-159.
- 4 **Taboada, A**; Tárrega, R; Marcos, E; Valbuena, L; Suárez-Seoane, S; Calvo, L. 2017. Fire recurrence and emergency post-fire management influence seedling recruitment and

growth by altering plant interactions in fire-prone ecosystems *Forest Ecology and Management*. 402, pp.63-75.

- 5 **Taboada, A;** Marcos, E; Calvo, L. 2016. Disruption of trophic interactions involving the heather beetle by atmospheric nitrogen deposition *Environmental Pollution*. 218, pp.436-445.
- 6 García-Tejero, S; **Taboada, A.** 2016. Microhabitat heterogeneity promotes soil fertility and ground-dwelling arthropod diversity in Mediterranean wood-pastures *Agriculture, Ecosystems and Environment*. 233, pp.192-201.
- 7 Calvo, L.; Hernández, V.; Valbuena, L.; **Taboada, A.** 2016. Provenance and seed mass determine seed tolerance to high temperatures associated to forest fires in *Pinus pinaster* *Annals of Forest Science*. 73, pp.381-391.
- 8 **Taboada, A;** von Wehrden, H; Assmann, T. 2013. Integrating life stages into ecological niche models: a case study on tiger beetles *PLoS ONE*. 8-7, pp.e70038.
- 9 García-Tejero, S; **Taboada, A;** Tárrega, R; Salgado, JM. 2013. Land use changes and ground dwelling beetle conservation in extensive grazing dehesa systems of north-west Spain *Biological Conservation*. 161, pp.58-66.
- 10 **Taboada, A;** Pérez-Aguirre, C; Assman, T. 2012. A new method for collecting agile tiger beetles by live pitfall trapping *Entomologia Experimentalis et Applicata*. 145, pp.82-87.

C.2. Participation in R&D and Innovation projects

- 1 Vulnerability of the wildland-urban interface and efficacy of the postfire restoration measures in fire-prone areas of Castilla y León. Pre- and post-fire management guidelines (Vulnerabilidad de la interfaz urbano-forestal y eficacia de las medidas de restauración tras incendio en áreas propensas al fuego de Castilla y León. Aplicaciones a la gestión pre- y post-incendio (WUIRECYL, LE005P20)) Consejería de Educación de la Junta de Castilla y León, cofinanciado por European Regional Development Fund (ERDF); Participant Institutions: University of León, University of Valladolid and University of Santiago de Compostela. Leonor Calvo Galván. (University of León). 01/01/2021-31/12/2023.
- 2 Severity of large forest fires in fire-prone systems: drivers, effects on the provision of ecosystem services and pre- post-fire management solutions - FIRESEVES (AGL2017-86075-C2-1-R) (Severidad de grandes incendios en sistemas forestales propensos al fuego: condicionantes, efectos en la provisión de servicios y soluciones de gestión pre- y post-incendio - FIRESEVES) Participant Institutions: University of León, University of Valladolid, University of Santiago de Compostela and Mediterranean Center for Environmental Studies (CEAM); Spanish Ministry of Economy and Competitiveness co-funded by the EU under the European Regional Development Fund (ERDF). Leonor CalvoGalván. (University of León). 01/01/2018-31/12/2021.
- 3 Identification of forest structural properties related to large-fire severity and its effects on the provision of ecosystem services socio-economically relevant in Castilla and León (Identificación de estructuras forestales relacionadas con la severidad en grandes incendios y sus efectos en la provisión de servicios ecosistémicos con importancia socio-económica en Castilla y León (SEFIRECYL, LE001P17)) Consejería de Educación de la Junta de Castilla y León, cofinanciado por European Regional Development Fund (ERDF); Participant Institutions: University of León, University of Valladolid and University of Santiago de Compostela. Leonor Calvo Galván. (University of León). 10/11/2017-31/12/2019.
- 4 Triggering factors of a heather beetle outbreak [Factores desencadenantes de las explosiones poblacionales del escarabajo del brezo] University of León (Universidad de León). Programa de Ayudas a Proyectos de Investigación 2018. Angela Taboada Palomares. (University of León). 01/07/2018-30/06/2019. Principal investigator.
- 5 Multi-scale tools for the post-fire management of fire-prone ecosystems in the context of global change - GESFIRE (AGL2013-48189-C2-1-R) [Herramientas multiescala para la gestión post-incendio de ecosistemas forestales propensos al fuego en el contexto de cambio global - GESFIRE] Participant Institutions: University of León, University

- of Valladolid, University of Santiago de Compostela and Mediterranean Center for Environmental Studies (CEAM); Spanish Ministry of Economy and Competitiveness co-funded by the EU under the European Regional Development Fund (ERDF). Leonor Calvo Galván. (University of León). 01/01/2014-30/06/2018.
- 6 Post-fire management tools in fire-prone ecosystems of Castilla y León. A case study in Sierra de Teleno (Herramientas para la gestión post-incendio de los ecosistemas propensos al fuego en Castilla y León. El caso particular de la Sierra de Teleno (FIRECYL, LE033U14)) Consejería de Educación de la Junta de Castilla y León, cofinanciado por European Regional Development Fund (ERDF); Participant Institutions: University of León and University of Valladolid. Leonor Calvo Galván. (University of León). 01/01/2015-31/12/2017.
 - 7 Ecological importance and functioning of semi open corridors (FKZ 3512 85 0100) Federal Agency for Nature Conservation. Werner Härdtle -. (Institute of Ecology, Leuphana University Lüneburg). 01/07/2012-30/06/2015.
 - 8 Effects of nitrogen deposition on the heather beetle (Project ref. 4901 / 5941) British Ecological Society (BES). Research Grants - Small projects up to 5000£. Angela Taboada Palomares. (University of León). 01/06/2014-31/05/2015. Co-ordinator.
 - 9 Conservation biology of the endangered carabid species *Cicindela sylvatica*: habitat suitability, genetic diversity, and morphological differentiation (EX2009-0989) Spanish Ministry of Education. Angela Taboada Palomares. (Institute of Ecology, Leuphana University Lüneburg). 2011-2013. Co-ordinator.