

## Jorge Durán Humia

Jorge Durán Humia completed the Bachelor degree (Biology) and the Advanced Studies Diploma in 2002 and 2003, respectively (Universidade de Vigo). He completed a triple master in Gestão de los Sistemas Medioambientales, Gestión de Sistemas de Calidad, y Prevención de Riesgos Laborales in 2005 (Fundació Bosch i Gimpera - Universitat de Barcelona), and the Doctorate in Ecology in 2009 (Universidad Pablo de Olavide). He has produced more than 50 scientific SCI articles, and 7 book chapters. He has organized 2 international scientific events and participated in more than 40 scientific meetings (leading or co-authoring 18 conference posters and 23 talks). He has co-supervised 4 PhD (one more ongoing), 2 MSc, and 3 bachelor theses, and given classes at the University level in Spain and Portugal. Has received 6 awards and/or honors. He is the Principal investigator in 2 research projects and participates (or has participated) as researcher in more than 20 projects, and as a supervisor in 1 project. He is consulting editor (since 2015) and section editor (since 2019) for Plant & Soil, and has reviewed or edited more than 40 manuscripts for different international journals. He works in the area of Natural sciences, with emphasis on Biological Sciences (Ecology; Biogeochemistry). He has a network of collaborators (i.e. co-authors) with more than one hundred scientists of

### Identification

#### Personal identification

Full name  
Jorge Durán Humia

Gender  
Male

Birth date  
1980/06/22

#### Citation names

Durán, Jorge

#### Author identifiers

Ciência ID  
6D15-0B6F-1D3A

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0000-0002-7375-5290

#### Email addresses

jdh@uc.pt (Professional)

#### Telephones

Mobile phone  
966625041 (Personal)

#### Addresses

Centro de Ecologia Funcional - UC. Calçada Martim de Freitas, 3000-456 Coimbra, Coimbra, Portugal  
(Professional)

## Websites

<https://jorgeduranecology.wixsite.com/personal> (Personal)

## Knowledge fields

Natural sciences - Biological Sciences - Ecology

## Languages

Language	Speaking	Reading	Writing	Listening	Peer-review
Spanish; Castilian (Mother tongue)					
Galician (Mother tongue)					
English	Advanced (C1)	Proficiency (C2)	Proficiency (C2)	Advanced (C1)	Proficiency (C2)
Portuguese	Advanced (C1)	Proficiency (C2)	Advanced (C1)	Proficiency (C2)	Advanced (C1)

## Education

	Degree	Classification
2004/01/01 - 2009/05/11 Concluded	Ecology (Doutoramento)  Universidad Pablo de Olavide, Spain <i>"Efecto del fuego sobre la disponibilidad de N y P. El caso concreto de los pinares de la isla de La Palma"</i> (THESIS/DISSERTATION)	Summa Cum Laude (Highest classification)
2004/03 - 2005/02 Concluded	Master en Prevención de Riesgos Laborales: Seguridad en el Trabajo, Higiene Industrial y Ergonomía (Master)  Fundació Bosch i Gimpera, Spain	
2004/03 - 2005/02 Concluded	Master en Gestión de Sistemas de Calidad (Master)  Fundació Bosch i Gimpera, Spain	
2004/03 - 2005/02 Concluded	Master en Gestión de los Sistemas Medioambientales (Master)  Fundació Bosch i Gimpera, Spain	
2002/09/01 - 2003/09/01 Concluded	Cantidades de N en la biomasa microbiana del suelo en ecosistemas forestales (DEA) Major in Biología de los organismos y ecosistemas - Ecology  Universidade de Vigo, Spain	Sobresaliente (Highest classification)

1998/09/01 -  
2002/09/01  
Concluded

Biology (Licence)

Universidade de Vigo, Spain

## Affiliation

### Science

2015/05/01 - Current	Postdoc (Research) Fundação para a Ciência e a Tecnologia, Portugal
2013/12/01 - 2015/04/30	Postdoc (Research) Fundação para a Ciência e a Tecnologia, Portugal
2010/09/15 - 2012/09/14	Postdoc (Research) Gobierno de Espana Ministerio de Asuntos Exteriores y de Cooperación, Spain
2009/08/01 - 2010/01/31	Postdoc (Research) Universidad Pablo de Olavide, Spain
2007/04/01 - 2009/04/30	Research Assistant (Research) Universidad Pablo de Olavide, Spain
2006/10/01 - 2007/03/31	Research Assistant (Research) Xunta de Galicia, Spain
2003/01/03 - 2006/09/30	Research Assistant (Research) Universidade de Vigo, Spain
2002/07/01 - 2002/11/30	Research Assistant (Research) Universidade de Vigo, Spain
2001/09/15 - 2002/07/15	Research Trainee (Research) Ministerio de Educación, Spain

## Projects

### Contract

Designation

Funders

2019 - Current	<p>The crop microbiome survey. Quantitative assessment of the microbiome associated with croplands worldwide</p> <p>N/A</p> <p>Researcher</p> <p>Western Sydney University Hawkesbury Institute for the Environment, Australia</p>	
2019 - Current	<p>El microbioma urbano: biodiversidad y funcionamiento ecosistémico en un marco de cambio global</p> <p>URBANFUN</p> <p>Researcher</p> <p>Universidad Pablo de Olavide, Spain</p>	Fundación BBVA, Spain
2018 - Current	<p>The MUSGONET survey: Quantitative assessment of the microbiome associated to biocrust-forming mosses across the globe.</p> <p>LRB17/1019</p> <p>Researcher</p> <p>Universidad Pablo de Olavide, Spain</p>	British Ecological Society, United Kingdom
2019 - 2022	<p>The effect of global warming on the diversity and functioning of alpine ecosystems in Serra da Estrela, an endangered mountain range in the temperate-Mediterranean transition zone</p> <p>030215</p> <p>Researcher</p> <p>Centro de Ecologia Funcional, Portugal</p>	Fundação para a Ciência e a Tecnologia, Portugal
2018 - 2021	<p>Unveiling the drivers of greenhouse gasses emissions from drylands and their sensitivity to climate change (UNDERCLIME)</p> <p>030231</p> <p>Principal investigator</p> <p>Centro de Ecologia Funcional, Portugal</p>	Fundação para a Ciência e a Tecnologia, Portugal
2018 - 2021	<p>Implementation of Agroforestry Systems (AFS) in S. Tomé and Príncipe degraded lands, and development of non-wood forest products (NWFP) in Angola and S. Tomé e Príncipe to improve income-generation and food security</p> <p>HRST/ST/AURG-III/CALL/2016</p> <p>Researcher</p> <p>Centro de Ecologia Funcional, Portugal</p>	African Union, Ethiopia
2016 - 2020	<p>Biological feedbacks and ecosystem resilience under global change: a new perspective on drylands desertification (BIODESERT)</p> <p>ERC647038</p> <p>Researcher</p> <p>Universidad Rey Juan Carlos, Spain</p>	European Research Council, Belgium

2015 - 2020

Greenhouse gases exchange between the soil and the atmosphere in drylands of the Iberian Peninsula: biotic and abiotic modulation, mechanistic processes, and effects of climate change

IF/00950/2014

Principal investigator

Centro de Ecologia Funcional, Portugal

Fundação para a Ciência e a Tecnologia, Portugal

2016 - 2019

Biodiversidad, organización tridimensional, funcionamiento e interrelaciones en cubiertas criptogámicas de regiones polares y áridas (CRYPTOBIOS)

CTM2015-64728-C2-2-R

Researcher

Gobierno de España, Spain

2016 - 2018

Consecuencias de la deposición atmosférica de nitrógeno y fósforo en las comunidades vegetales y microbiota del suelo en sistemas de alta montaña

1578

Researcher

Gobierno de España, Spain

2016 - 2018

Efectos de la interacción del cambio climático y los patógenos exóticos sobre las comunidades bióticas de bosques mixtos mediterráneos (INTERCAPA)

CGL2014-56739-R

Researcher

Instituto de Recursos Naturales y Agrobiología de Sevilla, Spain

Gobierno de España, Spain

2015 - 2017

Present and future functioning of carbon- and nitrogen-related processes and dispersal processes in the Brazilian savanna (CONCERN)

446698/2014-8

Supervisor

Universidade Federal de Viçosa, Brazil

Conselho Nacional de Desenvolvimento Científico e Tecnológico, Brazil

2015 - 2017

El papel de los organismos como moduladores de la respuesta de los ecosistemas áridos al cambio global: un análisis pluriescalar

BIOMOD

Researcher

Universidad Rey Juan Carlos, Spain

Gobierno de España, Spain

2014 - 2017

Vulnerabilidad de los encinares al cambio climático: mecanismos e influencia del manejo histórico sobre los servicios ecosistémicos (VERONICA)

CGL2013-42271-P

Researcher

Museo Nacional de Ciencias Naturales, Spain

		Jorge Durán Humia
2013 - 2015	<p>Ecosistemas microbianos líticos de áreas expuestas tras retroceso de glaciares. Sucesión ecológica, filodiversidad y geomicrobiología</p> <p>??</p> <p>Researcher</p> <p>Museo Nacional de Ciencias Naturales, Spain</p>	Gobierno de España, Spain
2013 - 2014	<p>Vulnerabilidad de poblaciones de plantas leñosas mediterráneas al cambio global: efectos interactivos de la marginalidad y la fragmentación sobre su regeneración (VULGLO)</p> <p>CGL2010-22180-C03-03</p> <p>Researcher</p> <p>Museo Nacional de Ciencias Naturales, Spain</p>	Gobierno de España, Spain
2010/01/01 - 2014	<p>Biotic community attributes and ecosystem functioning: implications for predicting and mitigating global change impacts</p> <p>info:eu-repo/grantAgreement/EC/FP7/242658/EU</p> <p>Researcher</p> <p>Universidad Rey Juan Carlos, Spain</p>	National Science Foundation, Sri Lanka
2010 - 2013	<p>Climate change and nutrient cycles in northern hardwood forests</p> <p>0948870</p> <p>Researcher</p> <p>Cary Institute of Ecosystem Studies, United States</p>	National Science Foundation, United States
2009/08/15 - 2013	<p>Collaborative Research: Landscape and regional scale studies of nitrogen gas flux</p> <p>info:eu-repo/grantAgreement/NSF/Directorate for Biological Sciences/0919131/US</p> <p>Researcher</p> <p>Cary Institute of Ecosystem Studies, United States</p>	National Science Foundation, Sri Lanka
2007 - 2009	<p>Estimación del nitrógeno orgánico disuelto en ecosistemas mediterráneos y su relevancia en el ciclo del nitrógeno</p> <p>APP2006064</p> <p>Researcher</p> <p>Universidad Pablo de Olavide, Spain</p>	Universidad Pablo de Olavide, Spain
2007 - 2009	<p>Cambios en la disponibilidad de nitrógeno y fósforo y en la fijación biológica de nitrógeno durante el desarrollo del ecosistema</p> <p>CGL2006-13665-C02-01</p> <p>Researcher</p> <p>Universidad Pablo de Olavide, Spain</p>	Gobierno de España, Spain

2003 - 2006

Efecto del fuego sobre la variabilidad espacial de recursos para las plantas y su relación con la regeneración natural en comunidades de *Pinus canariensis*  
REN2003-08620-C02-01/GLO

Gobierno de España, Spain

Researcher

Universidade de Vigo, Spain

2002 - 2004

Selección de plantas herbáceas autóctonas para restauración ambiental. Bases ecotecnológicas de producción e implantación  
PGIDT01AGRO8E

Xunta de Galicia, Spain

Researcher

Universidade de Vigo, Spain

## Outputs

### Publications

Book chapter

- 1 Enrich-Prast, A.; Gaxiola, A.; Lucía, A.; Durán, Jorge; Rodríguez, Alexandra; Marotta, H.. "Ciclos biogeoquímicos y cambios globales". In *Cambio Global, una mirada desde Iberoamérica*, edited by Magro, S.; Valladares, F.; Marquet, P; Gaxiola, A.. Spain: ACCI Ediciones, 2018.  
Published
- 2 Marotta, H.; Rodríguez, Alexandra; Durán, Jorge; Enrich-Prast, A.; Pinho, L.. "Biogeoquímica aplicada: estudios de caso sobre la interacción entre los elementos esenciales para la vida y el cambio global". In *Cambio Global, una mirada desde Iberoamérica*, edited by Magro, S.; Valladares, F.; Marquet, P; Gaxiola, A.. Spain: ACCI Ediciones, 2018.  
Published
- 3 Bechtold, H.A.; Durán, Jorge; Strayer, D.L.; Weathers, K.C.; Alvarado, G.; Bettez, N. D.; Hersh, M.A.; Rodríguez, Alexandra. "Frontiers in Ecosystem Science". In *Fundamentals of Ecosystem Science*, edited by Weathers, K.C.; Strayer, D.L.; Likens, G.E.. United States: Elsevier, 2013.  
Published
- 4 Durán, Jorge; Navia, Raúl; Montalvo, Javier. "Efecto de la luz sobre ecotipos de *Agrostis curtisii*: reparto de biomasa, plasticidad morfológica y aptitudes para restauración ambiental". In *Pastos, Desarrollo y Conservación*, 633-639. Sevilla, Spain: Junta de Andalucía, 2003.  
Published
- 5 Casal, Patricia; Durán, Jorge; Montalvo, Javier. "Crecimiento y supervivencia de dos especies de gramíneas perennes: Interacciones entre humedad y fertilidad". In *Pastos, desarrollo y conservación*, 671-681. Sevilla, Spain: Junta de Andalucía, 2003.  
Published
- 6 Durán, Jorge; Navia, Raúl; Montalvo, Javier. "Reproducción en poblaciones de una gramínea perenne. Efectos adaptativos y ambientales". In *España ante los compromisos del Protocolo de Kyoto: Sistemas naturales y cambio climático*, 50-58. Barcelona: Asociación Española de Ecología Terrestre, 2003.  
Published

17

Casal, Patricia; Durán, Jorge; Montalvo, Javier. "Asignación reproductiva y producción de semillas en poblaciones silvestres de una gramínea perenne". In *España ante los compromisos del Protocolo de Kyoto: Sistemas naturales y cambio climático*, 26-27. Barcelona, Spain: Asociación Española de Ecología Terrestre, 2003.

Published

Conference  
poster

11

Lafuente, A.; Durán, Jorge; Delgado-Baquerizo, M.; Recio, J.; Gallardo, A.; Singh, B.; Maestre, F.T.. "Biocrusts modulate the response of nitrous oxide and methane fluxes to climate change in a Mediterranean dryland". Paper presented in *Fourth International Workshop on Biological Soil Crusts (BIOCRUST4)*, 2019.

2

Rodríguez, A.; Chiti, T.; Rey, A.; Durán, Jorge. "Forest die-off reduces soil organic C and N stocks and the less stable C forms in a Mediterranean woodland". Paper presented in *15th European Ecological Federation Congress and 18th National SPECO Meeting*, 2019.

3

Spindola, W.; Neto, J.A.; Mesquita, N.; Rodríguez, A.; Durán, Jorge; Lacerda, F.. "Efeito da redução experimental de chuva sob a produção de serapilheira no Cerrado". Paper presented in *XXVII Congresso de Iniciação Científica Unicamp*, 2019.

4

Durán, Jorge; dos Santos, E.; Almeida, L.M.M.; Rodríguez, Alexandra; García-Velázquez, Laura; Maestre, F.T.; Fanguero, David. "Effect of temperature and soil moisture on soil: atmosphere greenhouse gases exchange on an aridity gradient". Paper presented in *21st World Congress of Soil Science*, 2018.

5

Rodríguez, Alexandra; Durán, Jorge; Rodríguez-Echeverría, S.; Pugnaire, F.I.; Ochoa-Hueso, R.; Manrique, E.; Armas, C.. "Short-term effects of N and P deposition on the soil nutritional status of four Iberian Alpine systems". Paper presented in *Name of the conference*, 2018.

6

Rodríguez, Alexandra; Rey, A.; Curiel, J.; Durán, Jorge; Boudouris, I.; Valladares, F.. "Drying-rewetting cycles decouple carbon and nitrogen mineralization overriding the effect of forest die-off". Paper presented in *XIV MEDECOS & XIII AEET meeting*, 2017.

7

Durán, Jorge; Rodríguez, Alexandra; García-Velázquez, L.; dos Santos, E.; Gallardo, A.; Maestre, F.T.. "Effects of increasing aridity on above- and belowground ecosystem functioning: mechanistic processes and biological feedbacks with climate change". Paper presented in *XIV MEDECOS & XIII AEET meeting*, 2017.

8

Lafuente, A.; Delgado-Baquerizo, M.; Durán, Jorge; Encian, D.; Gozalo, B.; Ochoa, V.; Recio, J.; Singh, B.; Maestre, F.T.. "Biocrusts modulates how climate change affects N<sub>2</sub>O and CH<sub>4</sub> emissions in Mediterranean grasslands". Paper presented in *XIV MEDECOS & XIII AEET meeting*, 2017.

9

Mesquita, N.; Lacerda, F.; Coelho, A.; Muller, L.; de Aquino, L.; Rodríguez, Alexandra; Durán, Jorge. "Changes in the structure of natural regeneration under rain exclusion treatment in three cerrado phytophysiognomies". Paper presented in *XIII Congresso de Ecologia / III International Symposium of*



*Ecology and Evolution*, 2017.

- 10 Durán, Jorge; Morillas, L.; Rodríguez, Alexandra; Roales, J.; Gallardo, A.; Lovett, G. M.; Groffman, P.M.. "Nitrogen supply modulates the effect of changes in drying-rewetting frequency on soil C and N cycling and greenhouse gas exchange". Paper presented in *2nd CAPERMED meeting*, 2016.
- 11 Rodríguez, Alexandra; Durán, Jorge; Gallardo, A.; Fernández-Palacios, J.M.. "Species and wildfire effects on the spatial pattern and scale of soil N and P pools in a *Pinus canariensis* forest". Paper presented in *96th ESA Annual Meeting*, 2011.
- 12 Durán, Jorge; Delgado, J.D.; Arroyo, N.; Rodríguez, Alexandra; Rosal, A.; Palenzuela, M.D.V.; Rodríguez, J.D.G.P.. "Roadkilling wildlife in southern Spanish woodlands". Paper presented in *12th Infra Eco Network Europe Meeting*, 2010.
- 13 Durán, Jorge; Rodríguez, Alexandra; Fernández-Palacios, J.M.; Gallardo, A.. "Cambios en los rasgos nutricionales de la hoja en una cronosecuencia de incendios". Paper presented in *IX Congreso de la AEET*, 2009.
- 14 Rodríguez, Alexandra; Durán, Jorge; Fernández-Palacios, J.M.; Gallardo, A.. "Efectos a corto plazo del fuego sobre el patrón y la escala espacial del N orgánico lábil y del N y P inorgánico del suelo". Paper presented in *IX Congreso de la AEET*, 2009.
- 15 Durán, Jorge; Rodríguez, Alexandra; Fernández-Palacios, J.M.; Gallardo, A.. "Disponibilidad de nutrientes de una cronosecuencia de incendios en bosques de *Pinus canariensis*". Paper presented in *II Reunión del Grupo de Trabajo de Ecología, Ecofisiología y Suelos Forestales de la SECF*, 2007.
- 16 Rodríguez, Alexandra; Durán, Jorge; Fernández-Palacios, J.M.; Gallardo, A.. "Efecto de la especie *Pinus canariensis* en la distribución espacial de la disponibilidad de nutrientes del suelo antes y después del fuego". Paper presented in *II Reunión del Grupo de Trabajo de Ecología, Ecofisiología y Suelos Forestales de la SECF*, 2007.
- 17 Durán, Jorge; Navia, R.; Montalvo, J.. "Efecto de la luz sobre ecotipos de *Agrostis curtisii*: reparto de biomasa, plasticidad morfológica y aptitudes para restauración ambiental". Paper presented in *XLIII Reunión Científica de la Sociedad Española para el Estudio de los Pastos*, 2003.
- 18 Pestaña, M.; Durán, Jorge; Montalvo, J.. "Crecimiento y supervivencia de dos especies de gramíneas perennes: Interacciones entre humedad y fertilidad". Paper presented in *XLIII Reunión Científica de la Sociedad Española para el Estudio de los Pastos*, 2003.

#### Journal article

- 1 Durán, Jorge; Rodríguez, Alexandra; Heiðmarsson, Starri; Lehmann, Jan; del Moral, Álvaro; de los Ríos, Asunción. "Cryptogamic cover determines soil attributes and functioning in polar terrestrial ecosystems". *The Science of The Total Environment* (2020):

- 2 Garrido-Benavent, Isaac; Pérez-Ortega, Sergio; Durán, Jorge; Ascaso, Carmen; Pointing, Stephen B.; Rodríguez-Cielos, Ricardo; Navarro, Francisco; de los Ríos, Asunción. "Differential Colonization and Succession of Microbial Communities in Rock and Soil Substrates on a Maritime Antarctic Glacier Forefield". *Frontiers in Microbiology* 11 (2020): <http://dx.doi.org/10.3389/fmicb.2020.00126>.  
10.3389/fmicb.2020.00126
- 3 Rodríguez, A.; Chiti, T.; Rey, A.; Durán, J.. "Forest die-off reduces soil C and N content and increases C stability in a Mediterranean woodland". *Geoderma* 359 (2020): <http://www.scopus.com/inward/record.url?eid=2-s2.0-85073692389&partnerID=MN8TOARS>.  
10.1016/j.geoderma.2019.113990
- 4 Lafuente, Ángela; Delgado-Baquerizo, Manuel; Durán, Jorge; Recio, Jaime; Gallardo, Antonio; Singh, Brajesh; Maestre, Fernando. "Biocrusts modulate responses of nitrous oxide and methane soil fluxes to simulated climate change in a Mediterranean dryland". *Ecosystems* (2020): <https://link.springer.com/article/10.1007/s10021-020-00497-5>.  
Published · <https://doi.org/10.1007/s10021-020-00497-5>
- 5 Gallardo, Antonio; Fernández-Palacios, J.M.; Bermúdez, Alfredo; De Nascimento, Lea; Durán, Jorge; García-Velázquez, Laura; Méndez, Javier; Rodríguez, Alexandra. "The pedogenic Walker and Syers model under high atmospheric P deposition rates". *Biogeochemistry* (2020): <https://doi.org/10.1007/s10533-020-00657-8>.  
Accepted · 10.1007/s10533-020-00657-8
- 6 Durán, Jorge; Delgado-Baquerizo, M.. "Vegetation determines the spatial variability of soil biodiversity across global biomes (status: under review)". *Scientific Reports* (2020):  
Submitted
- 7 García-Velázquez, Laura; Rodríguez, Alexandra; Gallardo, Antonio; Maestre, Fernando; Dos Santos, Everaldo; Lafuente, Ángela; Fernández-Alonso, María José; et al. "Climate and soil microorganisms drive soil phosphorus fractions in coastal dune systems". *Functional Ecology* (2020): <https://doi.org/10.1111/1365-2435.13606>.  
In press · 10.1111/1365-2435.13606
- 8 Durán, Jorge; Rodríguez, Alexandra; Delgado-Baquerizo, M.; Hamonts, K.; Figueredo, V.; Enrich-Prast, A.; Meira-Neto, J.. "Plant physiognomies control the responses of soil biodiversity and function to drying-rewetting frequency in the Brazilian Cerrado (under review)". *Functional Ecology* (2020):  
Submitted
- 9 Lafuente, Á.; Recio, J.; Ochoa-Hueso, R.; Gallardo, A.; Pérez-Corona, M.E.; Manrique, E.; Durán, Jorge. "Simulated nitrogen deposition influences soil greenhouse gas fluxes in a Mediterranean dryland". *The Science of The Total Environment* (2020): <https://doi.org/10.1016/j.scitotenv.2020.139610>.  
Published · <https://doi.org/10.1016/j.scitotenv.2020.139610>
- 10 Wilson, Geoffrey; Green, Mark; Brown, John; Groffman, Peter M.; Durán, Jorge; Morse, Jennifer L.. "Snowpack size affects soil microclimate throughout the year (status: under review)". *Climatic Change* (2020):  
Under revision

- 11 Manuel Delgado-Baquerizo; Durán, Jorge; et al.. "Antibiotic resistance in global soils (under review)". *PNAS* (2020):  
Under revision
- 12 del Moral, Álvaro; Garrido-Benavent, Isaac; Durán, Jorge; Rodríguez, Alexandra; Lehmann, Jan; Heiðmarsson, Starri; Murillo, Asuncion (2913-D563-9C27). "Are recently deglaciated areas at both poles colonised by the same bacteria? (Under review)". *FEMS Microbiology Ecology* (2020):  
Under revision
- 13 Fernández, María José; Rodríguez, Alexandra; García-Velázquez, Laura; Dos Santos, Everaldo; De Almeida, Luciana; Lafuente, Ángela; Wang, Jun-Tao; et al. "Aridity and biotic cover drive soil attributes and functioning in coastal dune ecosystems (Under Review)". *Journal of Ecology* (2020):  
Under revision
- 14 Delgado-Baquerizo M.; Durán, Jorge. "The soil microbiome of urban greenspaces across the globe". *Nature* (2020):  
Under revision
- 15 Durán, Jorge; Alexandra Rodríguez Pereiras; David Fangueiro; Murillo, Asuncion (2913-D563-9C27). "In-situ soil greenhouse gas fluxes under different cryptogamic covers in maritime Antarctica". *The Science of The Total Environment* (2020):  
Under revision
- 16 Juan D. Delgado; Durán, Jorge; Alexandra Rodríguez Pereiras; Antonio Rosal; María del Valle Palenzuela; Federico Morelli; Natalia L. Arroyo Hernández; Jesús Rodríguez Sánchez. "The spatial distribution of animal casualties within a road corridor: Implications for roadkill monitoring in the southern Iberian rangelands". *Transportation Research Part D: Transport and Environment* 67 (2019): 119-130. <https://doi.org/10.1016/j.trd.2018.11.017>.  
10.1016/j.trd.2018.11.017
- 17 Rodríguez, A.; Durán, Jorge; Rey, A.; Boudouris, I.; Valladares, F.; Gallardo, A.; Yuste, J.C.. "Interactive effects of forest die-off and drying-rewetting cycles on C and N mineralization". *Geoderma* 333 (2019): 81-89. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85049979432&partnerID=MN8TOARS>.  
10.1016/j.geoderma.2018.07.003
- 18 Durán, Jorge; Alexandra Rodríguez; Javier Méndez; Gustavo Morales; José María Fernández-Palacios; Antonio Gallardo. "Wildfires decrease the local-scale ecosystem spatial variability of *Pinus canariensis* forests during the first two decades post fire". *International Journal of Wildland Fire* (2019): <https://doi.org/10.1071/WF18145>.  
10.1071/WF18145
- 19 Lafuente, A.; Bowker, M.A.; Delgado-Baquerizo, M.; Durán, Jorge; Singh, B.K.; Maestre, F.T.. "Global drivers of methane oxidation and denitrifying gene distribution in drylands". *Global Ecology and Biogeography* 28 9 (2019): 1230-1243. <https://doi.org/10.1111/geb.12928>.  
10.1111/geb.12928
- 20 Sorensen, P.O.; Bhatnagar, J.M.; Christenson, L.; Durán, Jorge; Fahey, T.; Fisk, M. C.; Finzi, A.C.; et al. "Roots mediate the effects of snowpack decline on soil bacteria, fungi, and nitrogen cycling in a northern hardwood forest". *Frontiers in Microbiology* 10 APR (2019): <http://www.scopus.com/inward/record.url?eid=2-s2.0-85068137036&partnerID=MN8TOARS>.  
10.3389/fmicb.2019.00926

- 21 Durán, Jorge; Manuel Delgado-Baquerizo; Andrew J. Dougill; Reginald T. Guuroh; Anja Linstädter; Andrew D. Thomas; Fernando T. Maestre. "Temperature and aridity regulate spatial variability of soil multifunctionality in drylands across the globe". *Ecology* 99 5 (2018): 1184-1193. <https://doi.org/10.1002/ecy.2199>.  
10.1002/ecy.2199
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## Activities

### Oral presentation

	Presentation title	Event name Host (Event location)
2020/09	Climate and photosynthetic cover determine soil microbial biodiversity and functioning along an aridity	15th Conference on Mediterranean-type ecosystems (MEDECOS) (Langebaan, South Africa)

gradient in coastal dunes (status: submitted)

2020/08	Ecological specificity of polar lichen microbiomes (status: confirmed)	9th International Association for Lichenology Symposium (Bonito, Brazil)
2020/01	Incorporation of the Centre for Functional Ecology to the AnaEE research infrastructure platform	2020 AnaEE Assembly of Members (Paris, France)
2019/07	Microbial succession dynamics in the forefield of Breioarmerkurjökull glacier (Iceland)	7th Congress of European Microbiologists Societies (FEMS) (Glasgow, United Kingdom)
2019/07	Effects climate change on above- and belowground ecosystem features and on greenhouse gases fluxes	15th European Ecological Federation Congress and 18th National SPECO Meeting (Lisboa)
2019/02	Short-term effects of N and P deposition on plant and soil communities in four Spanish alpine systems	1st Meeting of the Iberian Ecological Society & XIV AEET Meeting (Barcelona, Spain)
2015/06/16	Climate change decreases nitrogen supply in northern hardwood forests	IV Congreso Ibérico de Ecología (Lisboa, Portugal)
2015/06	Impact of decaying holm oaks on soil microbial diversity and functioning	IV Congreso Ibérico de Ecología (Lisboa, Portugal)
2014/12	Searching for hot spots and hot moments of soil denitrification in northern hardwood forests	AGU 2014 Fall Meeting (San Francisco, United States)
2013/12	Long-term integrated studies of climate change in the critical zone	AGU 2013 Fall Meeting (San Francisco, United States)
2013/05	Efectos del cambio climático sobre los ciclos de C y N en prados urbanos	XI Congreso nacional de la Asociación Española de Ecología Terrestre (Pamplona, Spain)
2012/09	Comparison of in situ methods to measure N mineralization rates in forest soils	2012 LTER All Scientists Meeting (Millbrook, United States)
2012/08	Climate variation and soil microbial biomass and activity in northern hardwood forests	97th ESA Annual Meeting (Portland, United States)
2012/07	Estimating denitrification N losses from surface soils in a northern hardwood forest	Hubbard Brook Ecosystem Study 49th Annual Cooperators' Meeting



2012/07	Using an elevation gradient to estimate effects of climate variation on nutrient cycles in northern hardwood forests: First data	Hubbard Brook Ecosystem Study 49th Annual Cooperators' Meeting (Thornton, United States)
2011/08	Species and sildfire effects on the spatial pattern and scale of soil N and P pools in a Pinus canariensis forest	96th ESA Annual Meeting (Austin, United States)
2011/08	Comparison of in situ incubation methods to estimate N mineralization rates in a northern hardwood forest	96th ESA Annual Meeting (Austin, United States)
2011/07	Climate variation and nutrient cycling in northern hardwood forests – First data	Hubbard Brook Ecosystem Study 48th Annual Cooperators' Meeting (Thornton, United States)
2009/10	Efectos a corto plazo del fuego sobre el patrón y la escala espacial del N orgánico lábil y del N y P inorgánico del suelo	IX Congreso de la AEET (Úbeda, Spain)
2009/10	Cambios en los rasgos nutricionales de la hoja en una cronosecuencia de incendios	IX Congreso de la AEET (Úbeda, Spain)
2005/11	Effect of fire on soil microbial biomass of Pinus canariensis forests	X European Ecological Congress (Turkey)
2003/07	Asignación reproductiva y producción de semillas en poblaciones silvestres de una gramínea silvestre (Agrostis curstisii)	VII Congreso Nacional de la AEET. España ante los compromisos del protocolo de Kyoto: Sistemas Naturales y Cambio Climático (Barcelona, Spain)
2003/07	Reproducción en poblaciones de una gramínea perenne. Efectos adaptativos y ambientales	VII Congreso Nacional de la AEET. España ante los compromisos del protocolo de Kyoto: Sistemas Naturales y Cambio Climático (Barcelona, Spain)

## Supervision

	Thesis Title Role	Degree Subject (Type) Institution / Organization
2015 - 2020	Relações planta-solo e processos ecossistêmicos sob redução de chuva em três fitofisionomias do Cerrado Co-supervisor of Nayara Mesquita Mota	(PhD) Universidade Federal de Viçosa, Brazil
2018 - 2019	Efectos del desarrollo de cubiertas criptogámicas sobre la funcionalidad de suelos deglaciados en regiones polares	(Degree) Universidad Complutense de Madrid, Spain

Co-supervisor of Emma Gómez Peral

2018 - 2019	Climate change effects on soil N and P cycling and greenhouse gas fluxes in cork oak forests of Southern Spain Co-supervisor of India Southern	(Master) Universidade de Coimbra, Portugal
2015 - 2019	Impactos del cambio global en el intercambio de gases suelo-atmósfera y propiedades microbianas en ecosistemas áridos a distintas escalas espaciales Co-supervisor of Ángela Lafuente García-Ubero	(PhD) Universidad Rey Juan Carlos, Spain
2015 - 2019	Estoques atuais e futuros de Carbono, Nitrogênio e Fósforo do solo no Cerrado Co-supervisor	(PhD) Universidade Federal de Viçosa, Brazil
2017 - 2017	Efeito das mudanças de temperatura e da umidade do solo no intercâmbio de gases de efeito estufa entre o solo e a atmosfera em um gradiente de aridez Co-supervisor of Luciana Mayara Mendoza de Almeida	(Degree) Universidade Federal de Alagoas, Brazil
2013 - 2017	Relações entre a dinâmica da serapilheira e a biota do solo em floresta ombrófila densa das terras baixas Co-supervisor of Everaldo Dos Santos	(PhD) Universidade Federal do Paraná, Brazil
2013 - 2014	Estudio de la actividad metabólica de comunidades microbianas de suelos en un gradiente sucesional del glaciar en retroceso en retroceso Breiðamerkurjökull (Islandia) Co-supervisor of Daniel García Angulo	(Master) Universidad Complutense de Madrid, Spain
2013 - 2014	Sucesión vegetal y actividad microbiana del suelo tras el retroceso del glaciar Breidamerkurjökul, Islandia Co-supervisor	(Degree) Universidad de Alcalá de Henares, Spain

## Event organisation

	Event name Type of event (Role)	Institution / Organization
2016 - 2016	III Escola Iberoamericana em Efeitos ecológicos em Cascata e Metanálisis (2016 - 2016) Workshop (Co-organisor)	

2014 - 2014

II Escola Iberoamericana em Mudanças  
Globais e Processos de  
Retroalimentação (2014 - 2014)  
Workshop (Co-organisor)

## Event participation

	Activity description Type of event	Event name Institution / Organization
2020/08/02 - 2020/08/02	Ecological specificity of polar lichen microbiomes Congress	9th International Association for Lichenology Symposium
2019/10/16 - 2019/10/18	Efeito da redução experimental de chuva sob a produção de serapilheira no Cerrado Congress	XXVII Congresso de Iniciação Científica Unicamp
2019/10/16 - 2019/10/18	Efeito da redução experimental de chuva sob a produção de serapilheira no Cerrado Congress	XXVII Congresso de Iniciação Científica Unicamp
2019/08/25 - 2019/08/30	Biocrusts modulate the response of nitrous oxide and methane fluxes to climate change in a Mediterranean dryland Congress	Fourth International Workshop on Biological Soil Crusts (BIOCRUST4)
2019/07/29 - 2019/08/02	Forest die-off reduces soil organic C and N stocks and the less stable C forms in a Mediterranean woodland Congress	15th European Ecological Federation Congress and 18th National SPECO Meeting
2019/07/29 - 2019/08/02	Effects climate change on above- and belowground ecosystem features and on greenhouse gases fluxes Congress	15th European Ecological Federation Congress and 18th National SPECO Meeting
2019/02/04 - 2019/02/07	Short-term effects of N and P deposition on plant and soil communities in four Spanish alpine systems Congress	1st Meeting of the Iberian Ecological Society & XIV AEET Meeting
2018/08/12 - 2018/08/17	Effect of temperature and soil moisture on soil: atmosphere greenhouse gases exchange on an aridity gradient Congress	21st World Congress of Soil Science

2018/06/20 - 2018/06/21	Short-term effects of N and P deposition on the soil nutritional status of four Iberian Alpine systems  Congress	3rd CAPERMED meeting
2017/07/09 - 2017/07/13	Microbial succession dynamics in the forefield of Breioarmerkurjökull glacier (Iceland)  Congress	
2017/01/31 - 2017/02/04	Biocrusts modulates how climate change affects N <sub>2</sub> O and CH <sub>4</sub> emissions in Mediterranean grasslands  Congress	XIV MEDECOS & XIII AEET meeting
2017/01/31 - 2017/02/04	Effects of increasing aridity on above- and belowground ecosystem functioning: mechanistic processes and biological feedbacks with climate change  Congress	XIV MEDECOS & XIII AEET meeting
2017/01/31 - 2017/02/04	Drying-rewetting cycles decouple carbon and nitrogen mineralization overriding the effect of forest die-off  Congress	XIV MEDECOS & XIII AEET meeting
2016/06/28 - 2016/06/30	Nitrogen supply modulates the effect of changes in drying-rewetting frequency on soil C and N cycling and greenhouse gas exchange  Congress	2nd CAPERMED meeting
2015/06/16 - 2015/06/19	Climate change decreases nitrogen supply in northern hardwood forests  Congress	IV Congreso Ibérico de Ecología - Asociación Española de Ecología y Sociedad Portuguesa de Ecología
2015/06/16 - 2015/06/19	Impact of decaying holm oaks on soil microbial diversity and functioning  Congress	IV Congreso Ibérico de Ecología - Asociación Española de Ecología y Sociedad Portuguesa de Ecología
2014/12/15 - 2014/12/19	Searching for hot spots and hot moments of soil denitrification in northern hardwood forests  Congress	AGU Fall Meeting 2014
2013/12/09 - 2013/12/13	Long-term integrated studies of climate change in the critical zone  Congress	AGU Fall Meeting

2013/05/06 - 2013/05/10	Efectos del cambio climático sobre los ciclos de C y N en prados urbanos Congress	XI Congreso nacional de la Asociación Española de Ecología Terrestre
2012/09/10 - 2012/09/13	Comparison of in situ methods to measure N mineralization rates in forest soils Congress	2012 LTER All Scientists Meeting
2012/08/04 - 2012/08/11	Climate variation and soil microbial biomass and activity in northern hardwood forests Congress	97th ESA Annual Meeting
2012/07/11 - 2012/07/12	Estimating denitrification N losses from surface soils in a northern hardwood forest Congress	Hubbard Brook Ecosystem Study 49th Annual Cooperators' Meeting
2012/07/11 - 2012/07/12	Using an elevation gradient to estimate effects of climate variation on nutrient cycles in northern hardwood forests: First data Congress	Hubbard Brook Ecosystem Study 49th Annual Cooperators' Meeting
2011/08/07 - 2011/08/12	Species and wildfire effects on the spatial pattern and scale of soil N and P pools in a Pinus canariensis forest Congress	96th ESA Annual Meeting
2011/08/07 - 2011/08/12	Comparison of in situ incubation methods to estimate N mineralization rates in a northern hardwood forest Congress	96th ESA Annual Meeting
2011/07/07 - 2011/07/07	Climate variation and nutrient cycling in northern hardwood forests – First data Congress	Hubbard Brook Ecosystem Study 48th Annual Cooperators' Meeting
2010/09/27 - 2010/10/01	Roadkilling wildlife in southern Spanish woodlands Congress	12th Infra Eco Network Europe Meeting
2009/10/18 - 2009/10/22	Efectos a corto plazo del fuego sobre el patrón y la escala espacial del N orgánico lábil y del N y P inorgánico del suelo Congress	IX Congreso de la AEET
2009/10/18 - 2009/10/22	Efectos a corto plazo del fuego sobre el patrón y la escala espacial del N orgánico lábil y del N y P inorgánico del suelo	IX Congreso de la AEET

## Congress

2009/10/18 - 2009/10/22	Cambios en los rasgos nutricionales de la hoja en una cronosecuencia de incendios Congress	IX Congreso de la AEET
2007/11/22 - 2007/11/23	Disponibilidad de nutrientes de una cronosecuencia de incendios en bosques de <i>Pinus canariensis</i> Congress	II Reunión del Grupo de Trabajo de Ecología, Ecofisiología y Suelos Forestales de la SECF
2007/10/22 - 2007/10/23	Efecto de la tala de <i>Pinus pinaster</i> sobre la eficiencia y la capacidad de reabsorción de nutrientes en ejemplares jóvenes de <i>Quercus robur</i> Congress	II Reunión del Grupo de Trabajo de Ecología, Ecofisiología y Suelos Forestales de la SECF
2007/10 - 2007/10	Efecto de la especie <i>Pinus canariensis</i> en la distribución espacial de la disponibilidad de nutrientes del suelo antes y después del fuego Congress	II Reunión del Grupo de Trabajo de Ecología, Ecofisiología y Suelos Forestales de la SECF
2006/07/18 - 2006/07/21	Efecto del fuego, la pendiente y la orientación sobre los pools de N del suelo en ecosistemas de Pino canario ( <i>Pinus canariensis</i> ) Congress	2º Congreso Ibérico de Ecología. Sociedade Portuguesa de Ecologia / Asociación Española de Ecología Terrestre
2005/11/08 - 2005/11/13	Effect of fire on soil microbial biomass of <i>Pinus canariensis</i> forests Congress	X European Ecological Congress
2004/10/20 - 2004/10/20	Efecto del fuego sobre la biomasa microbiana del suelo de ecosistemas de pino canario Congress	I Reunión del Grupo de Trabajo de Ecología, Ecofisiología y Suelos Forestales de la Sociedad Española de Ciencias Forestales (SECF)
2003/07/02 - 2003/07/04	Asignación reproductiva y producción de semillas en poblaciones silvestres de una gramínea silvestre ( <i>Agrostis curstisii</i> ) Congress	VII Congreso Nacional de la AEET
2003/07/02 - 2003/07/02	Reproducción en poblaciones de una gramínea perenne. Efectos adaptativos y ambientales Congress	VII Congreso Nacional de la AEET

2003/05/26 -  
2003/05/30

Efecto de la luz sobre ecotipos de  
Agrostis curtisii: reparto de biomasa,  
plasticidad morfológica y aptitudes para  
restauración ambiental  
Congress

XLIII Reunión Científica de la Sociedad  
Española para el Estudio de los Pastos

2003/05/26 -  
2003/05/30

Crecimiento y supervivencia de dos  
especies de gramíneas perennes:  
Interacciones entre humedad y  
fertilidad  
Congress

XLIII Reunión Científica de la Sociedad  
Española para el Estudio de los Pastos

## Jury of academic degree

	Theme Role	Candidate name (Type of degree) Institution / Organization
2019/07/12	Estoques atuais e futuros de Carbono, Nitrogênio e Fósforo do solo no Cerrado (Thesis) Arguer	Fernando Lacerda Brito (PhD) Universidade Federal de Viçosa, Brazil
2019	Análisis de los ciclos de nutrientes en bosques de Quercus afectados por decaimiento: conectando cambios en la comunidad con el funcionamiento del ecosistema (Thesis) Arguer	José Manuel Ávila Castuera (PhD) Universidad Pablo de Olavide, Spain
2018	El ciclo del nitrógeno en la región subantártica chilena y la Antártida marítima. Principales factores ambientales que intervienen en su regulación. (Thesis) Arguer	Alberto Benavent González (PhD) Universidad Complutense de Madrid, Spain
2014/05/23	Efectos de los cambios en el patrón de precipitaciones sobre los microorganismos y los procesos del suelo (Thesis) Arguer	Lourdes Morillas Viñuales (PhD) Universidad Pablo de Olavide, Spain

## Association member

	Society Organization	Role
2019 - Current	Sociedad Ibérica de Ecología (SIBECOL)	Member
2017 - Current	RNM359: ORGANISMOS Y SISTEMAS	Member
2017 - Current	Sociedade Portuguesa de Ecologia (SPECO)	Member
2003/01/01 - Current	Asociación Española de Ecología Terrestre (AEET)	Member

2007 - 2017	RNM313: ESTRUCTURA Y FUNCIÓN EN ECOSISTEMAS MEDITERRÁNEOS	Member
2011/01/01 - 2013/12/31	Ecological Society of America	Member

## Committee member

	Activity description Role	Institution / Organization
2016 - 2020	Member of the paper writing committee of the BIODESERT ERC grant Member	
2011 - 2012	Postdoctoral Committee Member	Cary Institute of Ecosystem Studies, United States

## Consulting

	Activity description	Institution / Organization
2012 - 2013	Analysis of relationships between, climate change, snow depth, soil freezing and carbon and nitrogen cycling processes	Cary Institute of Ecosystem Studies, United States

## Course / Discipline taught

	Academic session	Degree Subject (Type)	Institution / Organization
2017 - 2019	Ecoliteracy	Master in Biodiversity and Vegetal Biotechnology (Mestrado integrado)	Universidade de Coímbra, Portugal
2006 - 2007	Ecosistemas Terrestres	Biología (Licence)	Universidade de Vigo, Spain
2006 - 2007	Biología Marina	Biología Marina (Licence)	Universidade de Vigo, Spain
2005 - 2006	Biología marina	Biología Marina (Licence)	Universidade de Vigo, Spain

## Evaluation committee

	Activity description Role	Institution / Organization	Funding entity
2017 - Current	Evaluation Expert of the Spanish Research Agency (AEI) Evaluator	Gobierno de España Agencia Estatal de Investigación, Spain	



2017 - Current	Evaluation Expert of the Instituto Serrapilheira Evaluator	Instituto Serrapilheira, Brazil
2014 - 2014	Evaluation Expert for the National Center of Science and Technology of the Republic of Kazakhstan Evaluator	JSC National Center of Science and Technology Evaluation Consortium, Kazakhstan

## Interview (newspaper / magazine)

	Activity description	Newspaper / Forum
2018/03/06	"El paraíso de los liquenólogos"	El País
2015/05/22	Demuestran el papel modulador de la deposición de nitrógeno en las respuestas de los suelos al cambio climático	Diario de la Universidad Pablo de Olavide
2015/04/07	The effects of climatic change on soil microorganisms are modulated by the depositing of nitrogen in the atmosphere	Agencia Iberoamericana para la Difusión de la Ciencia y la Tecnología
2014/10/27	Becarios de élite	Estela - Revista Dominical del Faro de Vigo
2014/05/15	An international project will take a closer look at the functioning of the Cerrado in Brazil	Agencia Iberoamericana para la Difusión de la Ciencia y la Tecnología
2012/10/07	"Ser científico, a pesar de los pesares, es una profesión apasionante"	Faro de Vigo

## Interview (tv / radio show)

	Program	Theme
2016/03/08 - Current	La Escuela Iberoamericana de Cambio Global	
2016 - 2016	Todas as plantas têm nome: O que é que as plantas comem?	
2016 - 2016	Todas as plantas tem nome: Dá jeito ter uma planta carnívora em casa para comer as moscas?	
2016 - 2016	Todas as plantas tem nome: Qual é a planta mais pequena do mundo?	

2016 - 2016

Todas as plantas tem nome: Dá jeito ter uma planta carnívora em casa para comer as moscas?

## Journal scientific committee

	Journal title (ISSN)	Publisher
2019 - Current	Plant and Soil (1573-5036)	Springer-Verlag
2017 - Current	The Science of The Total Environment (0048-9697)	Elsevier
2016 - Current	Agriculture Ecosystems & Environment (0167-8809)	Elsevier
2016 - Current	Global Biogeochemical Cycles (1944-9224)	American Geophysical Union
2016 - Current	Ecosistemas (1697-2473)	Asociacion Espanola de Ecologia Terrestre
2014 - Current	Global Change Biology (1365-2486)	Wiley (Blackwell Publishing)
2012 - Current	Soil Biology and Biochemistry (0038-0717)	Elsevier
2011 - Current	Forest Systems (2171-9845)	Instituto Nacional de Investigacion y Tecnologia Agraria y Alimentaria
2010 - Current	Geoderma (0016-7061)	Elsevier
2010 - Current	Ecosystems (1435-0629)	Springer-Verlag

## Mentoring / Tutoring

	Topic	Student name
2019/01 - 2019/09	60 hours Project in Applied Biology	Cristiana Santos
2018/09/01 - 2019/01/31	60 hours Project in Applied Biology	Alicja Kissa
2018/10/01 - 2018/12/31	3-months research stay	Laura García Velázquez
2017/09/15 - 2018/06/15	Volunteering and practices	Emma Gómez Peral
2017/10/05 - 2018/04/04	6-months research stay	Nayara Mesquita Mota
2017/10/05 - 2018/04/04	6-months research stay	Fernando da Costa Brito Lacerda
2016/09/15 - 2017/02/14	3-months research stay	Luciana Mayara Mendonça de Almeida
2016/03/01 -	6-months research stay	Everaldo dos Santos

2016/09/30

2013/02 - 2016/01

Volunteering and practices at the  
MNCN-CSIC (Madrid)

Several students

2012/06/01 - 2012/08/31

3-months research stay

Lourdes Morillas Viñuales

2010/09 - 2012/08

Volunteering and practices at the Cary  
Institute of Ecosystem Studies (NY)

Several students

## Other jury / evaluation

Activity description

Institution / Organization

2012/03/31 - Current

Judge in the Dutchess County Science  
Fair

Dutchess County, United States

## Distinctions

### Award

2010

Extraordinary Prize of Doctorate  
Universidad Pablo de Olavide, Spain

### Other distinction

2017 Frontpage cover of Plant and Soil, Volume 414, Issue 1-2, May 2017

2017 Responsible for the Terrestrial Ecology Laboratory (University of Coimbra)  
Centro de Ecologia Funcional, Portugal2016 Principal Investigator of the Research Sub-Line Biogeochemistry and Global  
Change  
Centro de Ecologia Funcional, Portugal2014 Ibero-American Young Teachers' and Researchers' Fellow  
Banco Santander Totta, Portugal2010 Fulbright Postdoctoral Fellow  
Fulbright Commission, United States2009 Bridge fellowship  
Universidad Pablo de Olavide, Spain2004 Doctorate fellowship  
Xunta de Galicia, Spain2003 Doctorate fellowship  
Universidade de Vigo, Spain2002 Fellowship: research assistant in R&D projects  
Xunta de Galicia, Spain

2001

Research assistant fellowship

