

David García-Callejas

CONTACT INFORMATION	<p>Doñana Biological Station (EBD-CSIC) Dpt. of Integrative Ecology C/ Americo Vespucio, 26, 41092 Sevilla, Spain</p> <p>+34 620456021 david.garcia.callejas@gmail.com</p>	<p>ORCID: 0000-0001-6982-476X Google Scholar Publons GitHub Twitter</p>
RESEARCH INTERESTS	<p>I am a community ecologist broadly interested in understanding the structure and dynamics of ecological assemblages, their spatiotemporal patterns, and their response to global change drivers. In particular, I study the role of biotic interactions in shaping local and regional patterns of diversity and coexistence. In approaching these themes, I aim to bridge theoretical approaches to fundamental questions with field experiments and observations.</p>	
CURRENT APPOINTMENTS	<p>Postdoctoral researcher, EBD-CSIC</p>	<p>January 2019 to present</p>
PREVIOUS APPOINTMENTS	<p>Doctoral researcher, CREAM-UAB</p> <p>Research technician, Imperial College</p> <p>Research technician, University of Évora</p> <p>Research technician, CREAM</p>	<p>September 2014 to November 2018</p> <p>January 2014 to August 2014</p> <p>March 2013 to January 2014</p> <p>September 2012 to February 2013</p>
EDUCATION	<p>Ph.D. in Terrestrial Ecology, Universitat Autònoma de Barcelona 11/2018</p> <ul style="list-style-type: none"> • Thesis Title: <i>Structure and dynamics of ecological networks with multiple interaction types</i> • Advisors: Dr. Miguel B. Araújo, Dr. Roberto Molowny-Horas • Associated stays: Integrative Ecology Lab, Univ. of Sherbrooke (Quebec), 09–12/2017, supervised by Prof. Dominique Gravel • Qualification: <i>Magna Cum Laude</i> <p>M.Sc. in Terrestrial Ecology, Universitat Autònoma de Barcelona 09/2012</p> <ul style="list-style-type: none"> • Thesis Title: <i>Projecting the distribution and abundance of Mediterranean tree species under climate change: a demographic approach</i> • Advisors: Prof. Javier Retana, Dr. Roberto Molowny-Horas • 60 ECTS <p>B.S. in Environmental Sciences, Universidad de Alcalá 07/2010</p> <ul style="list-style-type: none"> • 300 ECTS <p>B.S. in Computer Science, Universidad de Granada 09/2006</p> <ul style="list-style-type: none"> • 180 ECTS 	
REFEREED JOURNAL PUBLICATIONS	<p>[1] García-Callejas, D., Molowny-Horas, R., Araújo, M.B., Gravel, D. 2019. Spatial cascades in communities connected by dispersal and foraging. <i>Ecology</i>, in press. doi:10.1002/ecy.2820</p> <p>[2] García-Callejas, D., Torres, A. 2019. Restauración de interacciones ecológicas: medidas y consecuencias a escala de comunidad. <i>Ecosistemas</i>, in press.</p>	

	[3] García-Callejas, D. , Molowny-Horas, R., Araújo, M.B. 2018. The effect of multiple biotic interaction types on species persistence. <i>Ecology</i> , 99:2327–2337. doi:10.1002/ecy.2465
	[4] García-Callejas, D. , Molowny-Horas, R., Araújo, M.B. 2018. Multiple interactions networks: towards more realistic descriptions of the web of life. <i>Oikos</i> , 127:5–22. doi:10.1111/oik.04428 (Editor's choice)
	[5] García-Callejas, D. , Molowny-Horas, R., Retana, J. 2017. Projecting the distribution and abundance of Mediterranean tree species under climate change: a demographic approach. <i>Journal of Plant Ecology</i> , 10:731–743. doi:10.1093/jpe/rtw081 (Editor's choice)
	[6] García-Callejas, D. , Araújo, M.B. 2016. The effects of model and data complexity on predictions from species distributions models. <i>Ecological Modelling</i> , 326:4–12. doi:10.1016/j.ecolmodel.2015.06.002
PREPRINTS AND PAPERS IN PREPARATION	[7] García-Callejas, D. , Bartomeus, I., Godoy, O. Manuscript in preparation.
	[8] García-Callejas, D. , Godoy, O., Bartomeus, I. Manuscript in preparation.
	[9] García-Callejas, D. On the variability of Species Abundance Distributions with trophic guild and community structure. Preprint available: <i>bioRxiv</i> , 289348 doi:10.1101/289348
CONFERENCE TALKS	[10] García-Callejas, D. , Molowny-Horas, R., Araújo, M.B., Gravel, D. Spatial cascades in networks connected by dispersal and foraging. In: <i>SIBECOL</i> , Barcelona, 04–07/02/2019.
	[11] García-Callejas, D. , Molowny-Horas, R., Araújo, M.B. Species persistence in networks with multiple interaction types. In: <i>NetSci conference</i> , Paris, 11–14/06/2018.
	[12] García-Callejas, D. The influence of trophic position on Species Abundance Distributions. In: <i>Ecology across borders</i> , Ghent, 11–14/12/2017.
CONFERENCE POSTERS	[13] Mestre, F., García-Callejas, D. , Pinto-Cruz, C., Matías, M., Araújo, M.B. Environmental correlates of food web structure. In: <i>9th biennial conference of the International Biogeography Society</i> , Málaga, 08–12/01/2019.
	[14] García-Callejas, D. , Molowny-Horas, R., Araújo, M.B. Multiple interactions networks: towards more realistic descriptions of the web of life. In: <i>Community Ecology for the 21st Century</i> , Évora, 17–19/10/2016. (Best poster award)
INVITED TALKS	[15] García-Callejas, D. , Molowny-Horas, R., Araújo, M.B. Multiple interactions networks in community ecology: towards more realistic representations of the web of life. In: <i>Centre for Advanced Studies</i> , Blanes, 10/01/2019.
	[16] García-Callejas, D. , Molowny-Horas, R., Retana, J. Distribution and abundance of tree species: A spatially explicit model for Peninsular Spain. In: <i>Forest sciences centre of Catalonia</i> , Solsona, 10/12/2012.
TEACHING EXPERIENCE	Universitat Autònoma de Barcelona 2015-2018 <i>Field/practical courses</i> <ul style="list-style-type: none"> • Ecology (B.S. in Environmental Sciences) - 62h • Ecology (B.S. in Biology) - 15h • Analysis and of environmental cartography (B.S. in Env. Biology) - 19h • Analysis and cartography of vegetation (B.S. in Biology) - 23h

Theoretical courses

- Statistics and environmental modelling (M.Sc. in Terrestrial Ecology) - 2h
- Conservation Biology (B.S. in Env. Biology) - 12h
- Forest Ecology (B.S. in Env. Biology) - 1h

CREAF

2018

Seminar: Introduction to Latex and Zotero

- 5h in 2 sessions

Rui Nabeiro Biodiversity Chair

2013

Course: Introduction to the R Language

- 12h in 3 sessions

AWARDS

- FPU Visiting researcher scholarship, 2017. Science and Education Ministry, Spain.
- FPU Ph.D. scholarship programme, 2014–2018. Science and Education Ministry, Spain.
- M.Sc. scholarship programme, 2011–2012. “Fundación Obra Social La Caixa”, Spain.
- International stay scholarship, 2010. “Fundación Bancaja”, Spain.

LANGUAGES

- First Language: Spanish.
- English: Profficient reading, speaking, writing.
- Catalan, Portuguese, Italian: Intermediate reading, basic speaking and writing.

SOFTWARE SKILLS

- Profficiency in R (statistical analyses, data management, dynamic models)
- Intermediate user of C++.
- Familiarity with QGIS.
- Git user, expertise in Latex and reference management software (Zotero).