

Adara Pardo

CONTACT INFORMATION	Forestry Research Group, University of Extremadura Avenida Virgen del Puerto, s/n 10600 Plasencia Spain	<i>E-mail:</i> adharapv@gmail.com <i>Tel:</i> +34674588008 <i>Date of Birth:</i> 13/06/1985 <i>Nationality:</i> Spanish
EDUCATION	University of Extremadura. Forestry Research Group, Plasencia (Spain) Ph.D., Ecology, October 2011 - May 2016 <ul style="list-style-type: none">• Thesis: <i>Macroecology of plant-herbivore interactions and population performance in the relict tree Prunus lusitanica L.</i>• Supervisor: Professor Fernando J. Pulido Complutense University of Madrid (UCM). Madrid, Spain Master Degree in Evolutionary Biology, September 2012 University of Castilla-La Mancha. Toledo, Spain B.Sc. Environmental Sciences, September 2008 <ul style="list-style-type: none">• Specialization in Conservation of Natural Resources	
EMPLOYMENT	Postdoctoral researcher cE3c: Centre for Ecology, Evolution and Environmental Changes. University of Azores, Portugal University of Extremadura. Plasencia, Spain Postdoctoral fellow funded by the Government of Extremadura, studying pollination in agrarian systems within the proposed project "AGROBEES: Agriculture sustainable practices to ensure pollinator ecosystem services and crop efficiency" Postdoctoral researcher University of Extremadura. Plasencia, Spain Researcher within the project BIOGEA, aimed at evaluating the impact of Blue and Green Infrastructures provided by European CAP (Common Agrarian Policy) greening on biodiversity and ecosystem services Research assistant University of Castilla-La Mancha. Toledo, Spain Assistant at the Ecology department in a project aimed at assessing the greenhouse gas balance in European land use systems. Research assistant University of Castilla-La Mancha. Toledo, Spain Assistant at the Ecology department in a research project aimed at assessing the effects of climate change on a Mediterranean shrub land affected by fire. Research Assistant Centre for Ecology and Hydrology, UK Assistant in several research projects. Mainly in charge of the fieldwork at Wytham Woods for a project on forest fragmentation and climate change.	October 2018 - present October 2017 - September 2018 May 2010 to January 2011 November 2009 to March 2010 June to October 2009
PUBLICATIONS	Pardo, A. , Garcia, F. M., Valladares, F. and Pulido, F. (2016) Simulated herbivory does not constrain phenotypic plasticity to shade through ontogeny in a relict tree. <i>Plant Biology</i> 18, 618-626 Pardo, A. , Caceres, Y., Pulido, F. (2016) Intraspecific variation in heritable secondary metabolites and defensive strategies in a relict tree. <i>Journal of Plant Ecology</i> , 2, 256-265 (doi: 10.1093/jpe/rtw141)	

Pardo, A., Pulido, F. (2017) Upscaling hypotheses on herbivore damage in plants facing environmental stress: variation among scales and plant enemies in a relict tree. *Basic and Applied Ecology* 21, 34-44

Pardo, A., Caceres, Y., Pulido, F. (2018) Rangelwide determinants of population performance in *Prunus lusitanica*: Lessons for the contemporary conservation of a Tertiary relict tree. *Acta Oecologica* 86, 42-48

Girardello, M., **Pardo, A.**, Bertolino, S., Martellos, S. (2018) Gaps in biodiversity occurrence information may hamper the achievement of international biodiversity targets: insights from a cross-taxa analysis. *Environmental Conservation*, 1-8

PUBLICATIONS
UNDER REVIEW

Pulido, F., Moracho, E., **Pardo A.**, Kollmann, J., Valladares, F., Ehrlen, J., Jump, A. S., Svenning, J.C., Caceres, Y. and Hampe, A. Asymmetry in population performance across species ranges indicates non-equilibrium responses to climatic warming. *Nature* (under review)

RESEARCH
PROJECTS

National project "BIOGEO: Evaluation of the consequences of CAP greening on the biodiversity and ecosystem services provided by European agriculture". Spanish Ministry of Economy and Competitiveness. 2017-present

National project "POPULIM - Plant populations at their limits: interactive effects of fragmentation, marginality, and climate on Mediterranean woody species" (CGL2010-22180-C03-01) of the Spanish Ministry of Science. 2011-2016

National project "BOSALIM - Forests at their limits: integrated analysis of climate change impacts on key forest species" (CGL2007-6606), Spanish Ministry of Science. 2011-2012

Project "GHG Europe - Greenhouse gas management in European land use systems". European Commission. 2010-2011

National project "SECCIA - Simulation of Effects of Climate Change on a typical shrubland affected by fire" (CGL2006-06974). Spanish Ministry of Science and Technology. 2009-2010

SEMINARS AND
CONFERENCE
PRESENTATIONS

- [1] **Pardo A.**, Caceres, Y., Pulido, F. 2015. Geographical divergence in plant defence against herbivory: a common garden experiment with the relict tree *Prunus lusitanica* L. 4th Iberian Congress of Ecology. Coimbra, Portugal.
- [2] **Pardo A.** 2014. Macroecology of biotic interactions in a relict tree (*Prunus lusitanica* L.). Invited seminar at INRA Bordeaux, France.
- [3] **Pardo, A.**, Garcia, F.M., Caceres, Y., Valladares, F., Pulido, F. 2013. Herbivory-induced constraints on plant performance and phenotypic plasticity in response to light variation. International congress Adapting to global change in the Mediterranean hotspot, organized by the Donana Biological Station (EBD-CSIC) and EcoGenes. Sevilla, Spain.
- [4] **Pardo, A.**, Caceres, Y., Pulido, F. 2013. The role of history, climate and human impact as determinants of population performance across the range of *Prunus lusitanica*, a relict tree species. XI National Congress of the Spanish Association of Terrestrial Ecology. Pamplona, Spain.
- [5] **Pardo, A.**, Caceres, Y., Corcobado, T., Pulido, F. 2013. Multi-scale variation of herbivore damage in plants facing environmental stress: dissecting the hierarchical effects of marginality. 32nd New Phytologist Symposium. Buenos Aires, Argentina.
- [6] **Pardo, A.**, Caceres, Y., Pulido, F. 2012. Regeneration of *Prunus lusitanica* L., an endangered relict tree, across its range. V Meeting of the Silviculture Group of the Spanish Association of Forestry Sciences. INIA, Madrid, Spain.

COMPUTING SKILLS	I have experience in a range of computer packages: Office, GIS (QGIS, ArcGIS, GRASS) and software for the analysis of satellite images (ENVI 4.4). I am an experienced R user which I have used for analysing both large-scale distributional data and data from ecological experiments. Main methods used include: niche modelling (BIOMOD), linear models and extensions (GLM, GLMM). I also use R on a regular basis for data handling and manipulation.
FURTHER ACADEMIC TRAINING	<p>Spatial Ecology and University of Basilicata, June 2017 Summer School "Geo-computation using free and open source software".</p> <p>DataCamp, March-April 2017 Courses "Statistical Modeling in R" (part 1 and 2), "Data visualization with ggplot2" (part 1 and 2) and "Intermediate R".</p> <p>Agronomic Mediterranean Institute of Xania. Crete, July 2013 Training School on Genetic and ecological properties of marginal populations and its importance for conservation under climate change</p> <p>University of Copenhagen, Denmark, August 2011 Course on Modeling species distributions under climate change</p> <p>Eco-union and Universitat Oberta de Catalunya (UOC), Spain, March 2008 Course on Urban ecology and climate change</p>
FIELDWORK EXPERIENCE	<p>Field surveys</p> <p>I have experience in vertebrate census methods, both as a volunteer and as part of my academic work. This work was carried out both in Spain and abroad, in collaboration with charities (e.g. Birdlife Spain) or scientific institutions (Trento Science Museum, Italy). I have experience in small mammal trapping, gained while carrying out fieldwork for my B.Sc. dissertation. I have also participated in numerous ecological surveys, including field counts of top-predators or species of conservation concern (e.g. Spanish Imperial Eagle, Common Crane, Cantabrian Capercaillie). I have also undertaken field surveys of amphibians and reptiles as part of a research project at the Wildlife Conservation Research Unit at the University of Oxford.</p> <p>Ecophysiological measurements</p> <p>I have experience in ecophysiological methods gained during my research experience. I carried out photosynthesis and gas exchange measures (IRGA), fluorometry, water potential, porometry and sap flow measurements.</p>
LABORATORY EXPERIENCE	I have experience in chemical compounds analysis (phenols, tannins) in leaf through spectrophotometric methods gained during my PhD. Additionally, I have some experience on chromatographic techniques and I have carried out microbiological analysis of water and soil samples.
LANGUAGES	Spanish (mother tongue); English (Advanced, B2 certificate); Italian (Advanced, B2 certificate); Portuguese (Basic) and French (Basic)
PRIZES	Best academic record in Environmental Sciences from the University of Castilla-La Mancha.