

Curriculum vitae

Antonio José Manzaneda – September 2018

Departamento de Biología Animal, Biología Vegetal y Ecología.
Área de Ecología. Universidad de Jaén.
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Citizenship: Spanish

Date of Birth: 11/10/1974

Current position: *Profesor Contratado Doctor* (= Assistant Professor), University of Jaén, Spain.

ORCID ID: 0000-0001-9384-7910

Education

Post-doctoral period: 2006-2010. Department of Biology. Duke University. USA.

PhD in Biology – Nov. 2005, Estación Biológica de Doñana (C.S.I.C.) and Department of Plant Biology and Ecology. Faculty of Biological Sciences, University of Seville, Spain.

BS in Biology – Dec. 1998, Faculty of Biological Sciences, University of Jaén, Spain.

Projects and research experience

September 2018 – September 2019. **Principal Investigator (PI):** “Dissecting the phenomic basis of eco-adaptation in an invasive species complex: *Brachypodium*”. European Plant Phenotyping Network EPPN. (Transnational Access proposal ID166). Aberystwyth University, Aberystwyth UK.

September 2016 – August 2018. **Principal Investigator (PI):** “Genetic characterization by NGS of selected lines of interest of White Mustard (*Sinapis alba*)”. Centro de Estudios Avanzados en Energía y Medio Ambiente de la Universidad de Jaén. Universidad de Jaén, Spain. Department of Horticulture, College of Agriculture and Life Sciences, Virginia Tech, Blacksburg, Virginia EEUU.

July 2017 – August 2018. **Principal Investigator (PI):** “Disentangling the role of plant dehydrin DHN3 on dehydration stress in *Brachypodium distachyon* (Poaceae) an emerging model for temperate grasses”. Grants4Traits Initiative. Bayer AG Crop Science. Germany.

January 2016- December 2018. **Co-Principal Investigator (Co-PI).** “Exploring Landscape complexity and extensification-intensification gradients effects on animal biodiversity and its ecosystem services in Andalusian olive agroecosystems”. Ministerio de Economía y Competitividad. Gobierno de España. Proyectos del Plan Nacional 2015 - CGL2015-68963-C2-1-R. Universidad de Jaén, Spain. Co-PI: Prof. Pedro J. Rey (Universidad de Jaén).

October 2015 – September 2020. **Participant Researcher.** OLIVARES VIVOS (Olive Alive: Towards The Design And Certification Of Biodiversity Friendly Olive Groves) Referencia. LIFE14 NAT/ES/001094. (LIFE PROGRAM EUROPEAN COMMISSION)

January 2014- January 2017. **Participant Researcher.** “Disruption of pollination and seed dispersal mutualism caused by habitat fragmentation: consequences for plant populations in a semi-arid region”. Proyectos de Excelencia de la Junta de Andalucía (Consejería de Economía, Innovación, Ciencia y Empleo, Andalusian Regional Government). Universidad de Jaén, Spain.

November 2013- July 2015. **Participant Researcher.** “Potential of *Sinapis alba* (Brassicaceae) as energy crop for biodiesel production in southern Spain”. Centro de Estudios Avanzados en Energía y Medio Ambiente de la Universidad de Jaén. Universidad de Jaén, Spain

January 2013 – December 2015. **Principal Investigator (PI)**: “Natural selection and adaptive significance of candidate genes of drought tolerance-related traits in *Brachypodium distachyon* (Poaceae). Ministerio de Economía y Competitividad. Gobierno de España. CGL2012-30838. Universidad de Jaén, Spain

June 2011-June 2016: **Principal Investigator (PI)**: “Evolution of ecologically important traits in plants”. Ministerio de Ciencia e Innovación. Gobierno de España (RYC-2010-06237). Universidad de Jaén, Spain.

March 2012 – March 2014. **Principal Investigator (PI)**: “Ecological significance of polyploidy in *Brachypodium distachyon* (Poaceae): influence on abiotic and biotic stress tolerance”. Proyectos de Investigación del Plan de Apoyo a la Investigación de la Universidad de Jaén (UJA2011/12/38). Universidad de Jaén, Spain

2010-2012: **Participant Researcher**. “Trade-off facilitation-competence: effects on the assemblage and ecology diversity and phylogeny in Mediterranean plant communities”. Ministerio de Ciencia e Innovación. Gobierno de España. (CGL2009-08130). Universidad de Jaén, Spain.

July 2008 – July 2011: **Research Associate (Co-PI)**. Project title: “Natural variation for drought tolerance in the grass *Brachypodium distachyon*, a new model species for ecological genomics”. Co-PIs: Prof. Thomas Mitchell-Olds. Department of Biology, Duke University, Durham, USA and Prof. Pedro J. Rey. Department of Animal Biology, Plant Biology and Ecology, University of Jaén, Jaén, Spain. Commission of the European Communities. Marie Curie Actions (PIOFGA-2008-220983).

September 2006 – June 2008: **Post-doctoral Researcher**. Project title: “Genetic and geographical variation in glucosinolate defensive compounds in natural populations of *Boechera* species (Brassicaceae)”. Supervisor: Prof. Thomas Mitchell-Olds. Department of Biology, Duke University, Durham, USA. Duke University and National Science Foundation USA (award EF-0723447).

July 2001 – November 2005: **Doctoral Student**. Thesis dissertation: “Ecology and evolution of seed dispersal in *Helleborus foetidus* (Ranunculaceae). Geographical variation in animal-plant interactions”. PhD Advisors: Prof. Pedro J. Rey and Dr. Xim Cerdá. Department of Evolutionary Biology, Doñana Biological Station (CSIC), Seville, Spain. Ministerio de Ciencia y Tecnología. Gobierno de España. (BOS2000-1122-C03-2).

June 1999 – December 2000: **Research Assistant**. Project title: “Evolution of animal-plants interactions: mutualism, demography and geographical variation”. Main researcher: Prof. Carlos M. Herrera. Department of Evolutionary Biology, Doñana Biological Station (CSIC), Seville, Spain.

September 1995 – December 1998: **Collaborative Research** (Undergraduate). Project title: “Regional variation and between habitats in the patterns of post-dispersal seed predation of fleshy fruits in the Mediterranean basin. Effects on seed shadow”. Main researcher: Prof. Pedro J. Rey, Department Animal Biology, Plant Biology and Ecology. University of Jaén, Spain.

Summers 1996, 1997, 1998: **Field Assistant**, Several projects under the supervision of Prof. Carlos M. Herrera and Dr. Xim Cerdá. Department of Evolutionary Biology, Doñana Biological Station (CSIC), Seville, Spain.

Publications (Peer-reviewed papers)**Selected publications**

1. Rey, P.J., **Manzaneda, A.J.** and J.M. Alcántara. (2017) The interplay between aridity and plant competition determines colonization of competitive environments, coexistence and ecological segregation in heteroploid *Brachypodium distachyon* species. *New Phytologist* **215**: 85-96.
2. **Manzaneda A.J.**, Rey P.J., Anderson J.T., Raskin E., Weiss-Lehman C. and Mitchell-Olds T. (2015) Natural variation, differentiation and genetic tradeoffs of ecophysiological traits in response to water limitation in *Brachypodium distachyon* and its descendent allotetraploid *B. hybridum* (Poaceae) *Evolution* **69**: 2689-2704.
3. Kasavajhala V. S. K. Prasad, Bao-Hua Song, Carrie Olson-Manning, Jill T. Anderson, Cheng-Ruei Lee, M. Eric Schranz, Aaron J. Windsor, Maria J. Clauss, **Manzaneda A.J.**, Ibtehaj Naqvi, Michael Reichelt, Jonathan Gershenzon, S. G. Rupasinghe, M. A. Schuler and Thomas Mitchell-Olds (2012) A novel gain of function polymorphism controlling complex traits and fitness in nature. *Science* **337**: 1081-1084. (Featured by *The New York Times*)
4. **Manzaneda, A.J.**, Rey, P.J., Bastida, J.M., Weiss-Lehman, C., Raskin, E., and Mitchell-Olds, T. (2012) Environmental aridity is associated with cytotype segregation and polyploidy occurrence in *Brachypodium distachyon* (Poaceae). *New Phytologist* **193**: 797-805.
5. **Manzaneda, A.J.**, and Rey, P.J. (2012) Geographical and interspecific variation and the nutrient-enrichment hypothesis: an adaptive advantage of myrmecochory?. *Ecography* **35**: 322-332.
6. **Manzaneda, A.J.**, Prasad, K.V.S.K. and Mitchell-Olds, T. (2010) Variation and fitness costs for tolerance to different types of herbivory damage in *Boechera stricta* genotypes with contrasting glucosinolate structures. *New Phytologist* **188**: 464-477.
7. **Manzaneda, A.J.** and Rey, P.J. (2009) Assessing ecological specialization of an ant-seed dispersal mutualism through a wide geographic range. *Ecology* **90**: 3009-3022.
8. **Manzaneda, A.J.**, Rey, P.J. and Alcántara, J.M. (2009). Conflicting selection on diaspore traits limits the evolutionary potential of seed dispersal by ants. *Journal of Evolutionary Biology* **22**: 1407-1417.
9. Schranz, M.E., **Manzaneda, A.J.**, Windsor, A.J., Clauss, M.J. and Mitchell-Olds, T. (2009) Ecological genomics of *Boechera stricta*: Identification of a QTL controlling the allocation of methionine- vs. branched chain amino acid-derived glucosinolates and levels of insect herbivory. *Heredity* **102**: 465-474. (Featured by *F1000 Biology*)
10. Rey, P.J. and **Manzaneda, A.J.** (2007) Geographic variation in the determinants of seed dispersal success of a myrmecochorous herb. *Journal of Ecology* **95**: 1381-1393.
11. **Manzaneda, A.J.**, Fedriani, J.M. and Rey, P.J. (2005) Adaptive advantages of myrmecochory: the predator-avoidance hypothesis tested over a wide geographic range. *Ecography* **28**: 583-592.
12. Herrera, C.M., Medrano, M., Rey, P.J., Sánchez-Lafuente, A.M., García, M.B., Guitián, J. and **Manzaneda, A.J.** (2002) Interaction of pollinators and herbivores on plant fitness suggests a pathway for correlated evolution of mutualism- and antagonism- related traits. *Proceedings of the National Academy of Sciences USA* **99**: 16823-16828.

Complete Publication list

13. Martínez, L.M., Fernández-Ocaña, A., Rey, P.J., Salido, T., Amil-Ruiz, F., and **Manzaneda, A.J** (*) (2018). Variation in functional responses to water stress and differentiation between natural allopolyploid populations in the *Brachypodium distachyon* species complex. **121: 1369-1382** (*)
Author for correspondence.
14. Contreras, R., Figueiras, A.M., Gallego, F.J., Benavente, E., **Manzaneda, A.J.**, and Benito, C. (2017). Neutral molecular markers support common origin of aluminium tolerance in three congeneric grass species growing in acidic soils. *AoB PLANTS* 9: plx060. doi: 10.1093/aobpla/plx060.
15. Rey, P.J., Cancio, I., González-Robles, A., Bastida, J.M., **Manzaneda, A.J.**, Valera, F., Salido, T., and Alcántara, J.M. (2017). Local-scale and landscape disturbances impact through distinct pathways on the regional variation in seed dispersal by mammals in threatened semiarid habitats. *Perspectives in Plant Ecology, Evolution and Systematics* **28**: 10-18.
16. Cancio, I., González-Robles, A., Bastida, J.M., Isla, J., **Manzaneda, A.J.**, Salido, T., and Rey, P.J. (2017). Landscape degradation affects red fox (*Vulpes vulpes*) diet and its ecosystem services in the threatened *Ziziphus lotus* scrubland habitats of semiarid Spain. *Journal of Arid Environments* **145**: 24-34.
17. Marques I., Shiposha V., López-Álvarez D., **Manzaneda A.J.**, Hernández P., Olonova M. & Catalán P. (2017) Environmental isolation explains Iberian genetic diversity in the highly homozygous model grass *Brachypodium distachyon*. *BMC Evolutionary Biology* **17**: 139.
18. Ana González-Robles, **Manzaneda, A.J.** Jesús M. Bastida, Nick Harvey, Rafael Jaime, Teresa Salido, Luisa M. Martínez, Ana Fernández-Ocaña, Julio M. Alcántara and Pedro J. Rey. (2016) Development and characterization of microsatellite primers in the endangered mediterranean shrub *Ziziphus lotus* (Rhamnaceae). *Applications in Plant Sciences* **4**: 1600092.
19. Rey, P.J., Alcántara, J.M., **Manzaneda, A.J.** and Alfonso M. Sánchez-Lafuente. (2016) Facilitation contributes to Mediterranean woody plant diversity but does not shape the diversity-productivity relationship along aridity gradients. *New Phytologist* **211**: 464–476.
20. Cancio, I., González-Robles, A., Bastida, J., **Manzaneda, A.J.**, Salido, T. and Rey, P. J. (2016) Habitat loss exacerbates regional extinction risk of the keystone semiarid shrub *Ziziphus lotus* through collapsing the seed dispersal service by foxes (*Vulpes vulpes*). *Biodiversity and Conservation* **25**: 693-709.
21. López-Álvarez D., **Manzaneda A.J.**, Rey P.J., Giraldo P., Benavente E., Allainguillaume J., Mur L.A.J., Caicedo A.L., Hazen S.P., Breiman A., Ezrati S. and Catalán P. (2015) Environmental niche variation and evolutionary diversification of the *Brachypodium distachyon* grass complex species in their native circum-Mediterranean Range. *American Journal of Botany*. **102**: 1073-1088.
22. Alcántara J.M., Rey P.J. and **Manzaneda A.J.** (2015) A model of plant community dynamics based on replacement networks. *Journal of Vegetation Science*. **26**: 524–537.
23. Larry J. Leamy, Cheng-Rui Lee, Vanessa Cousins, Ibro Mujacic, **Manzaneda, A.J.**, Thomas Mitchell-Olds and Bao-Hua Song. (2014) Large-scale adaptive divergence in *Boechera fecunda*, an endangered wild relative of *Arabidopsis*. *Ecology and Evolution*. **4**:3175-3186.
24. International Brachypodium Initiative (IBI): Catalán, P., Chalhoub, B., Chochois, V., Garvin, D.F., Hasterok, R., **Manzaneda, A.J.**, Mur, L., Pecchioni, N., Rasmussen, S.K., Vogel, J.P., Voxeur, A.

- (2014) Update on genomics and basic biology of *Brachypodium*. *Trends in Plant Science*. **19**: 414-418.
25. Sean P. Gordon, Henry Priest, David L. Des Marais, Wendy Schackwitz, Melania Figueroa, Joel Martin, Jennifer N. Bragg, Ludmila Tyler, Cheng-Ruei Lee, Doug Bryant, Wenqin Wang, Joachim Messing, **Antonio J. Manzaneda**, Kerrie Barry, David F. Garvin, Hikmet Budak, Metin Tuna, Thomas Mitchell-Olds, William F. Pfender, Thomas Juenger, Todd C. Mockler and John P. Vogel. (2014). Genome Diversity in *Brachypodium distachyon*: Deep Sequencing of Highly Diverse Natural Accessions. *The Plant Journal* **79**: 361-374.
 26. Jelena B, Grotewold E, Scholl R, Mockler T, Garvin DF, Vain P, Brutnell T, Sibout R, Bevan M, Budak H, Caicedo AL, Gao C, Gu Y, Hazen SP, Holt III BF, Hong S-Y, Jordan M, **Manzaneda, A.J.**, Mitchell-Olds T, Mochida K, Mur LAJ, Park C-M, Sedbrook J, Watt M, Jian Zheng S and Vogel JP. (2011). *Brachypodium* as a model for the grasses: Today and the future. *Plant Physiology* **175**: 3-13.
 27. Schwartz, C., Doyle, M., **Manzaneda, A.J.**, Mitchell-Olds, T., Rey, P.J., and Amasino, R. (2010) Natural variation of flowering time and vernalization responsiveness in *Brachypodium distachyon*. *BioEnergy Research* **3**: 38-46.
 28. **Manzaneda, A. J.**, and P. J. Rey. (2008) Geographic variation in seed removal of a myrmecochorous herb: influence of variation in functional guild and species composition of the disperser assemblage through spatial and temporal scales. *Ecography* **31**: 583-591.
 29. **Manzaneda, A.J.**, Rey, P.J. and Boulay, R. (2007) Geographical and temporal variation in the ant-seed dispersal assemblage of the perennial herb *Helleborus foetidus* L. (Ranunculaceae). *Biological Journal of the Linnean Society* **92**: 135-150.
 30. Alcántara, J.M., Rey, P.J., **Manzaneda, A.J.**, Boulay, R., Ramírez, J.M. and Fedriani, J.M. (2007) Geographic variation in the adaptive landscape for seed size at dispersal in the myrmecochorous *Helleborus foetidus*. *Evolutionary Ecology* **21**: 411-430.
 31. Boulay, R., Coll-Toledano, J., **Manzaneda, A.J.**, and Cerdá, X. (2007) Geographical variations in seed dispersal by ants: are plant and seed traits decisive?. *Naturwissenschaften* **94**: 242-246.
 32. **Manzaneda, A.J.**, Sperens, U. and García, M.B. (2005) Effects of microsite disturbances and herbivory on seedling performance in the perennial herb *Helleborus foetidus* L (Ranunculaceae). *Plant Ecology* **179**: 73-82.
 33. Boulay, R., Fedriani, J.M., **Manzaneda, A.J.** and Cerdá, X. (2005) Indirect effects of alternative food resources in an ant-plant interaction. *Oecologia* **144**: 72-79.
 34. Fedriani, J.M. and **Manzaneda, A.J.** (2005) Pre- and post- dispersal seed predation by rodents: balance of food and safety. *Behavioural Ecology* **16**: 1018-1024.
 35. Rey, P.J., Alcántara, J.M., Valera, F., Sánchez-Lafuente, A.M., Garrido, J.L. and **Manzaneda, A.J.** (2004) Seedling establishment in *Olea europaea*. Seed size and microhabitat affect growth and survival. *Ecoscience* **11**: 310-320.
 36. Rey, P.J., Garrido, J.L., Alcántara, J.M., Ramírez, J.M., Aguilera, A., García, L., **Manzaneda, A.J.** and Fernández, R. (2002) Spatial variation in ant and rodent post-dispersal predation of vertebrate-dispersed seeds. *Functional Ecology* **16**: 773-781.
 37. Cerdá, X., Retana, J. and **Manzaneda, A.** (1998) The role of competition by dominants and temperature in the foraging of subordinate species in Mediterranean ant communities. *Oecologia* **117**: 404-412.

In Prep/In Review/In Press

38. Rey, P.J., Cancio, I., **Manzaneda, A.J.**, González-Robles, A., Valera, F. Salido, T and Alcántara J.M. (2018). Regeneration of a keystone semiarid shrub over its range in Spain: habitat degradation overrides the positive effects of plant–animal mutualisms. *Plant Biology In Press* (doi:10.1111/plb.12870).
39. Jaime, R., Alcántara, J.M., **Manzaneda, A.J.**, and Rey, P.J. Climate change jeopardizes current suitable areas for cultivation of rapeseed in Europe but opens new opportunities for White mustard as an alternative oilseed with potential for biofuels. *Submitted June 2017*

Book chapters

Rey, P.J., Alcántara, J.M., **Manzaneda, A.J.**, Garrido, J.L., and J. M. Ramírez. (2009). Variación geográfica y mosaicos de selección en las interacciones planta-animal. pp 113-132. En: *Ecología y evolución de las interacciones planta-animal*. Editorial Universitaria R. Medel, M. Aizen & R. Zamora [eds.] Santiago de Chile, Chile. ISBN 978-956-11-2092-1.

Herrera, C.M., **Manzaneda, A.**, Benavente, A., Luque P., Jordano, P, Prados, J., Vivero, J.L. and Hernández Bermejo, J.E. (2000). In: *Libro Rojo de la Flora Silvestre Amenazada de Andalucía. Tomo II: Especies Vulnerables*, G. Blanca, B. Cabezudo, J.E. Hernández-Bermejo, C.M. Herrera, J. Muñoz, y B. Valdés [eds]. Consejería de Medio Ambiente, Junta de Andalucía. Sevilla, Spain.

Impact and influence

Citations on Google Scholar ®

Accumulated citations: 1526

h-index: 21

Citations on ISI Web of Science ®

Accumulated citations: 1152

h-index: 20

1 article reviewed by Faculty of 1000 Biology

1 article featured New York Times

Grants and Scholarships

Spanish Ministry of Education, Culture and Sports (Ministerio de Educación, Cultura y Deportes). Stays in Abroad Labs Program. Starting September 2017- December 2017, University of Virginia Tech EEUU. (€13957).

Grants4Traits Initiative. Bayer AG Crop Science, Germany. Universidad de Jaén. Starting July 2017-2018 (€ 5000).

Centro de Estudios Avanzados en Energía y Medio Ambiente de la Universidad de Jaén. Universidad de Jaén, Spain. Starting January 2016-2018 (€ 10000).

Spanish Ministry of Economy and Competitiveness. Research National Plan. University of Jaén, Spain. Starting January 2016-2018. (€ 116000).

Spanish Ministry of Economy and Competitiveness. Research National Plan. University of Jaén, Spain. Starting January 2013-2015. (€ 99450).

University of Jaén. Proyectos de Investigación del Plan de Apoyo a la Investigación de la Universidad de Jaén. University of Jaén, Spain. 2012-2014. (€ 8146.79).

Spanish Ministry of Science and Innovation *Ramón y Cajal* Program. University of Jaén, Spain. June 2011-2016. (€192480).

Commission of the European Communities. *Marie Curie International Outgoing Fellowship* (IOF). Duke University (USA) and University of Jaén (Spain). 2008-2011. (€ 234204.75).

Spanish Ministry of Education and Science Post-doctoral Grant. Duke University. (*Postdoctoral* MCYT, Spain). 2006-2008. (€59010).

Spanish Ministry of Education and Science Grant for Short Stays in Abroad Labs (*FPI* Program, MCYT, Spain). October 2002-December 2002. Department of Ecology and Environmental Science, University of Umeå, Umeå, Sweden. (€3300).

Spanish Ministry of Education and Science Pre-doctoral Grant for Thesis Research (*FPI* Program, MCYT, Spain). 2001-2005 (€48000).

Invited Lectures

Rocky Mountain Biological Laboratory, Crested Butte, CO, USA. June 2018

Department of Biology. Duke University. Durham, NC, USA. November 2017.

International Brachypodium Conference. University of Massachusetts, Amherst, USA. June 2015.

Keynote speaker.

Department of Ecology. Faculty of Sciences. University of Granada, Granada, Spain. May 2013.

14th Evolutionary Biology Meeting at Marseilles. Association pour l'Etude de l'Evolution Biologique. Marseille, France. September 2010.

IX Meeting of Terrestrial Ecological Society of Spain. Úbeda, Spain. October 2009.

Department of Biology. Duke University. Graduate Program in Ecology Seminar. Durham, NC, USA. October 2008.

Department of Biology. North Carolina State University. Raleigh, NC, USA. April 2008.

Symposium and Presentations in Scientific Meetings

2015- 4º Congreso Ibérico de Ecología, Coimbra, Portugal

2014- Evolution Conference, Raleigh, NC USA.

2013- 1st International *Brachypodium* Conference, Modena, Italy (Co-Chair).

2012 - British Ecological Society, Annual Meeting, Birmingham, UK.

2012 - 21st International Symposium of the German Botanical Society. Mainz, Germany.

2011 - British Ecological Society, Annual Meeting, Sheffield, UK.

2010 - Marie Curie Monitoring Actions and Information Days, Barcelona, Spain.
Marie Curie Conference, Turin, Italy.

2009 - Annual Meeting of the Ecological Society of America, Albuquerque, NM, USA.

2004 - International Society of Chemical Ecology, Ottawa, Canada.

2001 - Ant Taxonomy Workshop and EU-Network Meeting: Integrated Studies of the Economy of Insects Societies, Granada, Spain.

1997 - Terrestrial Ecological Society of Spain, Córdoba, Spain.

Professional Affiliations and Service

Teaching at University of Jaén

Graduate Program

Population Ecology (2010/11)

Methods in field ecology (2010-17)

Ecology (2011-2015-2018)

Restoration Ecology (2012-18)

Design of Biological Projects (2015-18)

Master Program

Biotechnology and Molecular Ecology with applications to Conservation Biology (2014-2017)

Advanced methods in data analysis (2017/19)

Spatial distribution modelling of species and habitats (2017/19)

Biological Invasions (2017/19)

Biodiversity Conservation of Plants (2017/19)

Elected member Faculty of Experimental Sciences, University of Jaén (2011-2015)

Bioethical committee University of Jaén (September 2013-Current).

External reviewer

Associate Editor *Functional Ecology* (Since November 2017)

Journals (65 papers):

Annals of Botany, American Journal of Botany, American Midland Naturalist, AoB Plants, Axios Review, Biological Invasions, Biology letters, Botanical Journal of the Linnean Society, Ecography, Ecology, Ecology and Evolution, Ecological Research, Ecoscience, Ecosistemas, Evolution, Evolutionary Ecology, Flora, Frontiers in Plant Science, Functional Ecology, Heredity, Israel Journal of Plant Sciences, Journal of Arid Environments, Journal of Ecology, Journal of Evolutionary Biology, Journal of the Royal Society Interface, Naturwissenschaften, New Phytologist, Oecologia, Oikos, Perspectives in Plant Ecology, Evolution and Systematics, Physiologia Plantarum, Plant Biology, Plant Cell & Environment, Plant Ecology, Plant Systematic and Evolution, PlosOne, Preslia, Revista de Biología Tropical, and Seed Science Research.

Grants (27 proposals):

Research Foundation - Flanders (FWO). 2018.

BARD - Binational Agricultural Research and Development Fund US-Israel (2017).

Agencia Nacional de Evaluación y Prospectiva, MICINN, MINIECO (Spain). 2011-2016

Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI).

Ministry of National Education and Scientific Research (Romania). 2016.

Research Council KU Leuven (University of Leuven, Belgium). 2016

European Plant Phenotypic Network, 7th Framework Programme (EU). 2012, 2013.

National Science Foundation (USA). 2008

Fulbright committee at Duke University, NC, (USA). 2007.

Xunta de Galicia Regional Government (Spain). 2007, 2009.

Mentoring

PhD Supervisor 3 grad student at University of Jaén (starting January 2014/May 2014/ May2017 respectively).

Academic co-advisor, Master projects (3) at University of Jaén (starting January 2018).

Academic advisor, Master project at University of Seville (October 2013).

Academic co-advisor, Master project at University of Jaén (September 2012).

Academic co-advisor, Grant for Short Stays in Abroad Labs (*FPI* Program, MCYT, Spain) from January to April 2010. Graduate student from University of Jaén (Spain) at Duke (USA).

Supervisor of lab work and scientific projects for 10 undergraduate students, Department of Biology, Duke University, 2007-2009.

Academic co-advisor, last year undergraduate project , The North Carolina School of Science and Mathematics, 2006-2007.

Societies

Asociación Española de Ecología Terrestre 2016-Present.

British Ecological Society 2011-2012. / 2018 - present

The Ecological Society of America (Regular Membership) 2003-2011.

American Association for the Advancement of Science (Professional Membership) 2008-2009