



MINISTERIO DE CIENCIA E INNOVACIÓN



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Plan de Recuperación, Transformación y Resiliencia



AGENCIA ESTATAL DE INVESTIGACIÓN

CURRICULUM VITAE (CVA)

IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.

CV date	11/06/2023
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PERSONAL INFORMATION

First name	Carlos		
Family name	Martínez Núñez		
Gender (*)	Male		
Social Security, Passport, ID	76423217J		
e-mail	cmnunez@ujaen.es	Google Scholar: https://scholar.google.com/citations?user=MmbdMO4AAAAJ&hl=es	
Open Researcher and Contributor ID (ORCID) (*)	0000-0001-7814-4985		

(*) Mandatory

Current position

Position	Postdoctoral researcher		
Initial date	01/12/2022		
Institution	CSIC		
Department/Centre	Ecología y Evolución / Estación Biológica de Doñana		
Country	Spain		
Keywords	Agroecology; Macroecology; Biodiversity; Conservation		

Previous positions (arranged by starting date)

Period	Position/Institution/Country/Cause of the interruption
01/06/2021 – 31/11/2022	Postdoc / Agroscope / Switzerland / Started position at Agroscope
26/09/2020 – 26/12/2020	Visiting researcher/ University of Wageningen/ The Netherlands/ End of research stay
11/12/2018 – 15/03/2019	Visiting researcher/ University of Würzburg/ Germany/ End of research stay
01/05/2017 – 15/04/2021	PhD student / University of Jaen / Spain / End of grant and start of Postdoc position
01/08/2017 – 28/02/2017	Researcher/ private Foundation (Matrix)/ Spain/ Ended work contract to start PhD at the University of Jaen



20/12/2016 – 01/06/2017	Field Technician/ The Sloth Institute/ Costa Rica/ Ended work to start with a research position in a private Foundation
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A.3. Education

PhD, Graduate Degree	University/Country	Year
PhD	University of Jaen	2021
Master	University of Granada	2015
Degree	University of Granada	2013

SELECTION OF TEN RELEVANT PAPERS (sorted by date)

- 1.- **Martínez-Núñez, C.**, Martínez-Prentice, R., García-Navas, V. (2023). Protected area coverage of vulnerable regions to conserve functional diversity of birds. *Conservation Biology*. In press. <https://doi.org/10.1111/cobi.14131>.
- 2.- **Martínez-Núñez, C.**, Martínez-Prentice R., & García-Navas V. (2023). Land-use diversity predicts regional bird taxonomic and functional richness worldwide. *Nature Communications*. 14 (1), 1320. <https://www.nature.com/articles/s41467-023-37027-5>.
- 3.- **Martínez-Núñez, C.** David Kleijn, Cristina Ganuza, Dennis Heupink, Ivo Raemakers, Winfried Vertommen & Thijs P.M. Fijen. (2022). Temporal and spatial heterogeneity of semi-natural habitat, but not crop diversity, is correlated with landscape pollinator richness. *Journal of Applied Ecology*. 59, 1258– 1267. <https://doi.org/10.1111/1365-2664.14137>.
- 4.- **Martínez-Núñez C.**, Rey P., J., Manzaneda A. J., García D., Tarifa R., Molina J. L. (2021). Insectivorous birds are not effective pest control agents in olive groves. *Basic and Applied Ecology*, 56, 270-280, <https://doi.org/10.1016/j.baae.2021.08.006>.
- 5.- **Martínez-Núñez, C.**, A.J., Rey, P.J. (2021). Hybrid networks reveal contrasting effects of agricultural intensification on antagonistic and mutualistic motifs. *Functional ecology*, 35: 6,6. <https://doi.org/10.1111/1365-2435.13800>.
- 6.- **Martínez-Núñez, C.**, Rey, P. J., Salido, T., Manzaneda, A. J., Camacho, F. M., & Isla, J. (2021). Ant community potential for pest control in olive groves: Management and landscape effects. *Agriculture Ecosystems and Environment*, 305. <https://doi.org/10.1016/j.agee.2020.107185>.
- 7.- **Martínez-Núñez, C.**, Rey, P. J., Manzaneda, A. J., Tarifa, R., Salido, T., Isla, J., ... Molina, J. L. (2020). Direct and indirect effects of agricultural practices, landscape complexity and climate on insectivorous birds, pest abundance and damage in olive groves. *Agriculture Ecosystems and Environment*, 304, 107145. <https://doi.org/10.1016/j.agee.2020.107145>.
- 8.- **Martínez-Núñez, C.**, Manzaneda, A. J., & Rey, P. J. (2020). Plant-solitary bee networks have stable cores but variable peripheries under differing agricultural management: Bioindicator nodes unveiled. *Ecological Indicators*, 115. <https://doi.org/10.1016/j.ecolind.2020.106422>.



9.- **Martínez-Núñez, C.**, Manzaneda, A.J., Isla, J., Tarifa, R., Calvo, G., Molina, J.L., Rey, P.J., (2020). Low-intensity management benefits solitary bees in olive groves. *Journal of Applied Ecology*, 57 (1), 111–120. <https://doi.org/10.1111/1365-2664.13511>.

10.- **Martínez-Núñez, C.**, Lendínez, S., Pérez, A. J., Ruiz-Valenzuela, L., & Rey, P. J. (2019). Interacting effects of landscape and management on plant-solitary bee networks in olive orchards. *Functional Ecology*, 1365-2435.13465. <https://doi.org/10.1111/1365-2435.13465>.

RESEARCH PROJECTS AND CONTRACTS

1) AGRABIES (CGL2015-68963-C2, MINECO, Gobierno de España and FEDER; coordinated project); Budget: ~ € 230 000. Title: Filtros macroecológicos y antropogénicos sobre la biodiversidad animal en agroecosistemas arbóreos ibéricos: efectos multiescalados sobre funciones y servicios ecosistémicos; Date: 2016-2020; Pedro J. Rey (University of Jaen) & Daniel García (University of Oviedo). PhD associated to project (FPI). I contributed with field work, data analysis and producing articles. For some studies I had the opportunity to contribute also during the conceptualization process and the study design.

2) RECOVECOS (PID2019-108332GB-I00, MICIN, Gobierno de España and FEDER). Budget = ~ € 180 000. Recovering ecosystem services provided by the fauna in permanent croplands: effects of the land use intensification and landscape complexity in olive grove landscapes. Date: 2020-2024. P.I Pedro J. Rey. Researcher associated to the work team. I am participating in the study design, data analysis and co-supervision of a PhD student.

3) LIFE OLIVARES VIVOS (LIFE14 NAT/ES/001094, European Commission). Budget: € 2 856 005. Title: Olives Alive. Date: 10/2015-05/2021. Coordinator: SEO/Birdlife Spain and Pedro J. Rey. Researcher. Field work, writing papers, outreach.

4) SAFEGUARD SC5-32-2020; European Union 3.5.2. H2020. Budget: € 7 850 403,75. Date: 09/2021-08/2025. Coordinator: Ingolf Steffan-Dewenter (University of Würzburg, Germany). Researcher associated to Work Package 2. Data analysis and writing a paper.

5) COMEVO (PID2021-123304NA-I00, MICINN, Gobierno de España. Proyectos de generación de conocimiento). El teatro ecológico y el juego evolutivo: integrando las interacciones entre especies y la macroevolución en un contexto de comunidades. Budget = 39 968 €. Coordinator: Vicente García-Navas. Associate Researcher. Date: 2022 – ongoing.

TRAINING ACTIVITY

During my relatively short academic career, I have supervised the final degree project of a biology student at University of Jaén (year 2021). I have also supervised three master students (two ongoing projects with students from Pablo de Olavide University and one from the University of Jaén (year 2019). I have also had the opportunity to co-supervise a PhD student (year 2020-ongoing), and have pro-actively been engaged in mentoring other students with which I have collaborative papers. In addition, I have been a lecturer for several years (~70 hours in total) in four different subjects at University of Jaén, for Biology and Environmental Science students.