



Daniel Sánchez-García

PHD STUDENT

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✈ My journey



🏛 Education

PhD in Evolutionary Ecology

MUSEUM AND INSTITUTE OF ZOOLOGY, WARSAW (POLAND)

2019 - 2023

- PhD Thesis: The project aim to get a better understanding of how reintroductions of parasites work, we are performing a multi-level comparison of source and reintroduced populations of *P. telexus* by studying 1) population genetics, 2) morphology of adult butterflies and 3) behavioural, chemical and acoustical adaptations of butterfly caterpillar to the *Myrmica* host ants.

Master of Biodiversity and Conservation Biology

PABLO DE OLAVIDE UNIVERSITY, SEVILLA (SPAIN)

2017 - 2018

- MSc Thesis: The work aimed to study the effect of temperature over ant assemblages from different habitats, applying different ecological perspectives. Taxonomic and functional diversity were studied, and a new index was developed to study the direct effect of temperature over the interspecific competition.

Degree of Biology

UNIVERSITY OF VALENCIA, VALENCIA (SPAIN)

2012 - 2016

- BSc thesis: The work aimed to provide new knowledge about the ant communities of Sierra de Javalambre. The main goals were: 1) study how ant species are distributed along the altitudinal gradient, studying variables like ground temperature, nest density and stone density; 2) study the patching effect of *Juniperus sabina* over ant activity and nesting areas.

🏠 Internships

Scientific assistant

VALENCIAN INSTITUTE OF AGRICULTURAL RESEARCH (IVIA). DEPARTMENT OF ENTOMOLOGY

February to May 2016

- Internship with the researcher Alejandro Tena working on a biological control applied study about the effect of the presence of the ant *Lasius grandis* on the behaviour of the parasitoid wasp *Anagrus pseudococci* on mealybug colonies of *Planococcus citri* (pest of citrus).

Environmental manager

AGRICULTURAL, STOCKBREEDING AND ENVIRONMENTAL PUBLIC SERVICE FROM TERUEL (DIPUTACIÓN GENERAL DE ARAGÓN)

July to September 2015

- Internship with the environmental manager José Manuel González working on environmental impact reports; monitoring of fish river population dynamic for its management and conservation using electric fishing techniques; monitoring of deer population dynamic for its management and conservation in the Hunting Nacional Reserve "Montes Universales"; management and translocation of native plant species.

Publications

Also in my *Google Scholar* profile and available to download from my Website.

Sánchez-García, D., Cerdá, X., & Angulo, E. (2022). Temperature or competition: Which has more influence on Mediterranean ant communities? *PLoS ONE*, 17(4 April), 1–16. <https://doi.org/10.1371/journal.pone.0267547>

García, F., Cuesta-Segura, A. D., Espadaler, X., García, J. C., & **Sánchez-García, D.** (2019). *Lasius piliferus* Seifert, 1992: descripción de la reina y actualización de su distribución ibérica (Hymenoptera: Formicidae). *Boletín de La Sociedad Entomológica Aragonesa (S.E.A.)*, 65, 39–44.

García García, F., Espadaler Gelabert, X., Cuesta-Segura, A. D., & **Sánchez-García, D.** (2018). Primera cita ibérica para *Temnothorax conatensis* Galkowski & Lebas, 2016, y actualización de la distribución para *Temnothorax grouvellei* (bondroit, 1918) (Hymenoptera: Formicidae). *Iberomyrmex*, 10, 22–27.

Espadaler, X., **Sánchez-García, D.**, & García-García, F. (2017). *Temnothorax ibericus* Menozzi (1922), un endemismo ibérico orófilo (Hymenoptera, Formicidae). *Iberomyrmex*, 9, 5–9.

Sánchez-García, D., & Espadaler, X. (2017). Una nueva especie parásita social para la península ibérica. *Bothriomyrmex communista* Santschi, 1919 (Hymenoptera: Formicidae) en España. *Iberomyrmex*, 9, 11–13.

Sánchez-García, D., & Espadaler, X. (2015). *Cardiocondyla obscurior* Wheeler, 1929 (Hymenoptera, Formicidae) en España. *Iberomyrmex*, 7, 7–9.

Conference talks and posters

Sánchez-García, D., Casacci, L. P., Wynhoff, I., Kajzer-Bonk, J., Nowicki, P., & Witek, M. (2022). Short-time evolution in the morphology of the myrmecophilous *Maculinea teleius* butterfly. *8th Polish Evolutionary Conference 2022, Toruń, Poland* (Talk).

Sánchez-García, D. (2019). Fotografía de insectos: material, técnicas y aplicaciones. *XIV International Congress of Myrmecology. Taxomara 2019, Chefchaouen, Morocco* (Talk).

Sánchez-García, D., Cerdá, X., & Angulo, E. (2018). ¿Temperatura o competencia, qué afecta más a las hormigas de Doñana? *XIII Iberian Congress of Myrmecology. Taxomara 2018, León, Spain* (Talk).

Sánchez-García, D., Cuesta-Segura, A. D., Herraiz, J. A., Trigos-Peral, G., García García, F., Catarineu, C., Arcos González, J., & Fernández Martínez, J. A. (2017). Listado actualizado de las hormigas de la península ibérica e islas Baleares (Hymenoptera: Formicidae). *XII Iberian Congress of Myrmecology. Taxomara 2017, Madrid, Spain* (Poster).

Sánchez-García, D. (2016). Aspectos ecológicos sobre la mirmecocenosis de solana de la Sierra de Javalambre (Teruel). *XI Iberian Congress of Myrmecology. Taxomara 2016, Murcia, Spain* (Talk).

Funding

2022	PRELUDIUM grant (NCN, Poland). Bacteria – ant – plant interaction: the effect of ants as bacteria dispersal vectors and indirect drivers of plant health.	201.000 pln; aprox. 44.500 eur
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Courses

2019	Ecological networks in R
2018	Animal tracking

Memberships

since 2012	Iberian Asociation of Myrmecology 
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TECHNICAL SKILLS

Coding Languages

R

general R packages

markdown – ggplot2 – geomorph

Other

CHCs profiling – geometry
morphometry – basic ecological
network analysis – microsatellites –
ant taxonomy

LANGUAGES

Skill	Spanish	English
Reading	Native	C1
Writing	Native	C1
Listening	Native	C1
Speaking	Native	C1

Common European Framework of Reference for Languages: A1/A2: Basic User. B1/B2: Independent User. C1/C2: Proficient User

References

- **Dra. Magdalena Witek**, Museum and Institute of Zoology, PAS, Warsaw, PL. ✉ mawitus@yahoo.co.uk
- **Dr. Xim Cerdá**, Doñana Biological Station, Sevilla, ES. ✉ xim@ebd.csic.es
- **Prof. Dr. Ximo Baixeras** University of Valencia, Valencia, ES. ✉ joaquin.baixeras@uv.es