



Daniel Sánchez-García

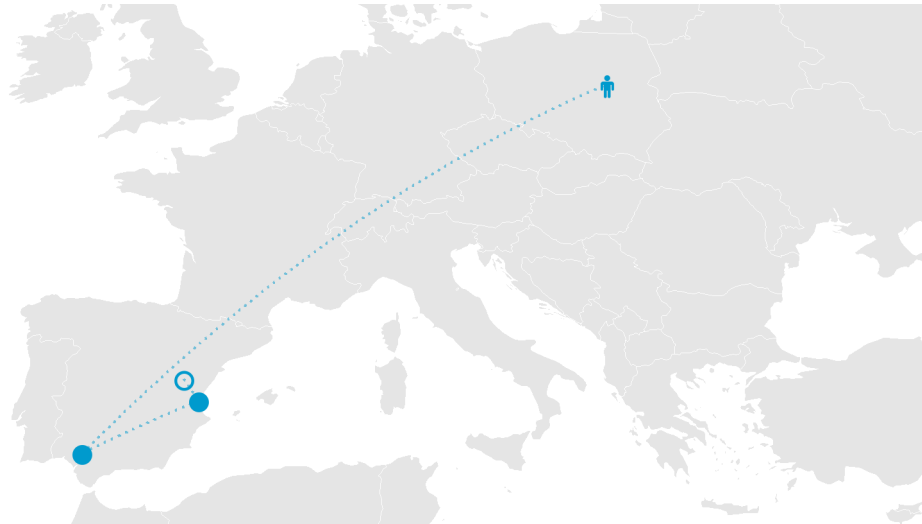
PHD IN BIOLOGY

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✈ My journey



🏛 Education

PhD in Evolutionary Ecology

MUSEUM AND INSTITUTE OF ZOOLOGY, WARSAW (POLAND)

2019 - 2024

- PhD Thesis: The project aimed to get a better understanding of how reintroductions of parasites work, we performed a multi-level comparison of source and reintroduced populations of *Phengaris teleius* 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, VALENCIA (SPAIN)

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 *Anagyrus pseudococci* on mealybug colonies of *Planococcus citri* (pest of citrus).

Environmental manager

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

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 National 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., Wynhoff, I., Kajzer-Bonk, J., Sztencel-Jablonka, A., Nowicki, P., Casacci, L. P., & Witek, M. (2024). Temporal and spatial variation of morphological traits and genetic structure in *Phengaris teleius* myrmecophilous butterflies following habitat and climate changes three decades after reintroduction. *Global Ecology and Conservation*, 54, e03104. <https://doi.org/10.1016/j.gecco.2024.e03104>

Trigos-Peral, G., Maák, I. E., Schmid, S., Chudzik, P., Czaczkes, T. J., Witek, M., Casacci, L. P., **Sánchez-García, D.**, Lorincz, Á., Kochanowski, M., & Heinze, J. (2024). Urban abiotic stressors drive changes in the foraging activity and colony growth of the black garden ant *Lasius niger*. *Science of the Total Environment*, 915, 170157. <https://doi.org/10.1016/j.scitotenv.2024.170157>

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>

Angulo Aguado, E., Castro Cobo, S., **Sánchez-García, D.**, Sergio, F., Reyes-López, J. L., Álvarez Blanco, P., & Cerdá Sureda, X. (2019). ¿Se podrá controlar la expansión de la invasora hormiga argentina en Doñana? In J. Junoy (Ed.), *Especies exóticas invasoras: Catedra de parques nacionales* (pp. 249–262). Editorial Universidad de Alcalá.

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., Cerdá, X., & Angulo, E. (2024). Modificación del hábitat como herramienta de control de la invasión de la hormiga argentina. *XVIII International Congress of Myrmecology. Taxomara 2024, Malaga, Spain* (Talk).

Sánchez-García, D., Cerdá, X., & Angulo, E. (2024). Recovering native ant communities by removing suitable conditions for the invasive Argentine ant. *IV International Young Researchers Conference on Invasive Species. IyrCIS, Online* (Talk).

Sánchez-García, D., Casacci, L. P., Wynhoff, I., Kajzer-Bonk, J., Sztencel-Jablonka, A., Nowicki, P., & Witek, M. (2023). Changes in morphology and genetic structure in two populations of *Phengaris* (=Maculinea) *teleius* 30 years after separation. *Butterfly Conservation Symposium 2023, Wyboston, England* (Talk).

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, Chefchaoué, 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 2021/41/N/NZ8/04360 (NCN, Poland). Bacteria – ant – plant interaction: the effect of ants as bacteria dispersal vectors and indirect drivers of plant health.	202.001 pln; aprox. 44.500 eur
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Reviews

- Manuscripts reviewed for Plant-Arthropod Interactions (1), Polish Journal of Ecology (1), Insect Conservation and Diversity (1)

Courses

2019	Ecological networks in R
2018	Animal tracking

Memberships

since 2012 Iberian Association of Myrmecology [🔗](#)

Skills

TECHNICAL SKILLS

Coding Languages

R

general R packages

markdown – ggplot2 – geomorph –
vegan

Other

GCMS – morphometrics – network
analysis – genetics – 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 (Poland) [✉ mawitus@yahoo.co.uk](mailto:mawitus@yahoo.co.uk)
- Dr. Xim Cerdá**, Doñana Biological Station, Seville (Spain) [✉ xim@ebd.csic.es](mailto:xim@ebd.csic.es)

• **Prof. Dr. Ximo Baixeras** University of Valencia, Valencia (Spain) ✉ joaquin.baixeras@uv.es