Jose B. Lanuza

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Currently

Postdoctoral researcher at the German Centre for Integrative Biodiversity Research (iDiv)

Education

2017–2022 **University of New England** PhD (supervisors: Romina Rader and Ignasi Bartomeus)

2015–16 **University Pablo de Olavide** MSc Biodiversity and Conservation Biology

2010–15 **University of Seville** BSc Biology

Publications (full list)

Lanuza JB, Collado MÁ, Sayol F, Sol D, Bartomeus I. (2023). Brain size predicts bees' tolerance to urban environments. Biology Letters, 19: 20230296. https://doi.org/10.1098/rsbl.2023.0296

Lanuza, J.B., Rader, R., Stavert, J., Kendall, L. K., Saunders, M. E., & Bartomeus, I. (2023). Covariation among reproductive traits in flowering plants shapes their interactions with pollinators. Functional Ecology, 37(7), 2072-2084. https://doi.org/10.1111/1365-2435.14340

Saunders, M. E., Kendall, L. K., **Lanuza, J. B.**, Hall, M. A., Rader, R., & Stavert, J. R. (2023). Climate mediates roles of pollinator species in plant–pollinator networks. Global Ecology and Biogeography, 32(4), 511-518. https://doi.org/10.1111/geb.13643

García-Callejas, D., Godoy, O., Buche, L., Hurtado, M., **Lanuza, J. B.**, Allen-Perkins, A., & Bartomeus, I. (2023). Non-random interactions within and across guilds shape the potential to coexist in multi-trophic ecological communities. Ecology Letters. https://doi.org/10.1111/ele.14206

Lanuza, J. B., Allen-Perkins, A., & Bartomeus, I. (2023). The non-random assembly of network motifs in plant–pollinator networks. Journal of Animal Ecology, 92(3), 760-773. https://doi.org/10.1111/1365-2656.138890

Bartomeus, I., **Lanuza, J. B.**, Wood, T. J., Carvalheiro, L., Molina, F. P., Collado, M. Á., … & Viñuela, E. (2022). Iberian bees database. Ecosistemas, 31(3), 2380-2380. https://doi.org/10.7818/ECOS.2380

Lanuza, J. B., Bartomeus, I., Ashman, T. L., Bible, G., & Rader, R. (2021). Recipient and donor characteristics govern the hierarchical structure of heterospecific pollen competition networks. Journal of Ecology, 109 (6), 2329-2341. https://doi.org/10.1111/1365-2745.13640

Lanuza, J. B., Bartomeus, I., & Godoy, O. (2018). Opposing effects of floral visitors and soil conditions on the determinants of competitive outcomes maintain species diversity in heterogeneous landscapes. Ecology letters, 21(6), 865-874. https://doi.org/10.1111/ele.12954

Presentations

Oral speech “Plant-animal interactions within the PhenObs project” (Thursday 7th of December 2023, online).

Chairman at session “Phenology across organisms and scales”. 52nd Annual Meeting of the Ecological Society of Germany, Austria and Switzerland (14th of October 2023, Leipzig).

Oral speech “Plant reproductive trade-offs and plant-pollinator interactions at contrasting ecological scales”. Thesis overview (20th January 2022, Seville)

Oral speech “Recipient and donor characteristics govern the hierarchical structure of heterospecific pollen competition networks” at XVII ECOFLOR meeting (4th March to 6th of March 2020, Bilbao)

Oral speech “Pollinators can change the plant-plant competition regimes” at XIV MEDECOS and XIII AEET meeting (31st of January to 4th of February 2017, Seville)

Academic service

Reviewer for: Scientific Reports 2018 (1), PeerJ 2019 (1), Journal of Applied Ecology 2020 (1), Flora 2022 (1) and Functional Ecology 2022 (1).

Technical skills

- R (Rstudio/Markdown)
- Git
- Stats
- Species Taxonomy
- Field work experience

Projects

2023–`To date` *Two year research contract working with plant-animal interactions at the German Centre for Integrative Biodiversity Research (iDiv)“*

2021–2022 *One year research contract at Estación Biológica de Doñana under the project “Safeguarding European wild pollinators”*

2017–2022 *PhD: Insights of plant reproductive trade-offs and plant-pollinator interactions at contrasting ecological scales*

2016–2017 *Master thesis: Biotic and abiotic factors can change plant-plant competition regimes* Effects of salinity and pollinators on plant coexistence.

2015–2016 *Undergraduate thesis: Pollination in heterostyly plants* Database with the main characteristic of heterostyly plants (never done it before).

Languages

1. Spanish (native)
2. English

Placements

2023–`To date` **Postdoctoral researcher** (*iDiv, Leipzig*) Two year contract working at the PhenObs project with plant-animal interactions.

2021–22 **Postdoctoral researcher** (*Biological Station of Donana, Spain*) One year contract helping in the H2020 project Safeguarding European wild pollinators.

2018–2020 **Commonwealth scientific and industrial research (CSIRO) top up scholarship** (*University of New England, Armidale, Australia*) In collaboration with NSW office of Environment and Heritage

2017–2021 **PhD scholarship** (*University of New England, Armidale, Australia*) At school of Environmental and Rural Science

2015–16 **Research assistant** (*Biological Station of Donana, Spain*) Worked two months as Research Assistant at Biological Station of Donana for I.Bartomeus, Seville (Spain). Morphometry measures of pollinators with camera Nikon D3300 and ImageJ and also Pollinators Database with R.

2015–16 **Research assistant** (*Asturias, Spain*) Worked one week with apple tree orchards at North of Spain. Single visit experiments and sampling of their pollinators.

2013–14 **Intership at Stirling University** (*Stirling, Scotland*) Worked for two months at Mario Vallejo's lab with plants of the genus *Mimulus*. Greehouse experiments and fieldwork in Shetland islands and Stirling.

2012–14 **Intern student**(*University of Seville, Spain*) Two years in the department of Plant Science with Juan Arroyo. Worked with databases using articles of Web Of Science with several characteristic of heterostily plants.

References:

Ignasi Bartomeus: nacho.bartomeus@gmail.com +34 666035040

Romina Rader: rominarader@gmail.com +61 0267732857

Oscar Godoy: ogodoy.re@gmail.com +34 677661571