

**CURRICULUM VITAE ABREVIADO (CVA)**

**Part A. PERSONAL INFORMATION**

First name	Amparo		
Family name	Lázaro Castillo		
Gender (*)	Female	Birth date	29/10/1978
Social Security, Passport, ID number	75234073S		
e-mail	amparo.lazaro@imedea.uib-csic.es	URL Web	<a href="https://scholar.google.com/citations?user=...">Amparo Lázaro - Google Scholar (beds.ac.uk)</a> <a href="https://www.researchgate.net/profile/Amparo-Lazaro">https://www.researchgate.net/profile/Amparo-Lazaro</a>
Open Researcher and Contributor ID (ORCID) (*)	0000-0001-5626-4134		

(\*) Mandatory

**A.1. Current position**

Position	Tenured scientist		
Initial date	02/01/2024		
Institution	Spanish National Research Council (CSIC)		
Department/Center	Global Change	Mediterranean Institute for Advanced Studies (IMEDEA)	
Country	Spain	Teleph. number	+34669071941
Key words	Pollination ecology; anthropogenic effects; pollination services; pollination networks; managed landscapes; plant-animal relationships; plant reproduction; phenotypic selection.		

**A.2. Previous positions (research activity interruptions, indicate total months)**

Period	Position/Institution/Country/Interruption cause
2022-2024	Associate Professor/University of the Balearic Islands/Spain
2017-2022	'Ramón y Cajal' Researcher/ University of the Balearic Islands/Spain
2016	Postdoctoral contract Govern Balear / CSIC (IMEDEA) / Spain
2015	Postdoctoral contract / University of the Aegean / Greece
2010-2014	'Juan de la Cierva' postdoctoral contract / CSIC (IMEDEA) / Spain
2006-2010	Postdoctoral contract / Norwegian University of Life Sciences / Norway

**A.3. Education**

PhD, Licensed, Graduate	University/Country	Year
PhD in Biology	University of the Balearic Islands/Spain	07/10/2005
Licensed Environmental Sciences	University of Almería/Spain	June 2000

**Part B. CV SUMMARY (max. 5000 characters, including spaces)**

I work as a Tenured Scientist at IMEDEA (CSIC) since January 2024. My main research line focuses on the study of plant-pollinator interactions and their ecosystem function in natural and managed landscapes. On the basis of this main line I develop three specific topics: (1) Anthropogenic changes on pollinator diversity and pollination ecology; (2) Local context on pollination specialization, plant reproductive success and the evolution of floral traits; and (3) Crop pollination. I graduated in Environmental Sciences in 2000 (University of Almeria, Spain; Second National Award for Bs. Studies, Spanish Ministry of Education). After obtaining my PhD in 2005 (FPU; University of the Balearic Islands, UIB, Spain), I worked as a postdoctoral researcher at the Norwegian University of Life Sciences, Norway (2006-2010, 2015), University of the Aegean, Greece (2014-2015), and IMEDEA, Spain (2011- 2014, 2015-2016, 'Ramón y Cajal': 2017-2022). Then, I was Associate Professor at the UIB (2022-2024). Until



now, I have published 79 peer-reviewed publications and have 7 currently under review. From this, 67 are articles published in SCI journals (82% in Q1; 21% in D1). I am the first author of 50% of my SCI publications, and 1st, 2nd or senior author in 77%. My research has accumulated 3665 citations (356.8 citations/year in 2019-2023) in Google Scholar (GS) and 2373 citations (237.2 citations/year in 2019-2023) in Scopus. My h-index is 32 and i10 52 in GS (h-index: 27, i10: 46 in Scopus). I have been always funded by competitive calls (AEI, CYTED, MINECO, AEET, Balearic Government). I have participated in 23 national and 7 international (2 European) projects being the PI of 8 (total 741,106€), including three of the Spanish National Call (2017, 2020, 2023) that involved 11 researchers each and an associated FPI. I received an AEET Award for Young Researchers (3000€), participated in a large European project with a budget of 600000€, and currently lead the Spanish team of a European COST Action on the conservation of threatened plants. I have 64 presentations in conferences (3 international as invited) and have worked in 9 research centers in Spain, Mexico, USA, Denmark, Sweden, Norway and Greece, which allowed me to create a large network of stable collaborators, including over 30 researchers from different countries. I lectured in Degree and Master studies at UIB (2015-2023), and in 4 postgraduate courses of 'Ecological networks' and 'Statistics with R'. I have supervised 3 PhD students (2014, 2024, one in progress), and was the main responsible for the coordination of a large field experiment involving researchers from Norway, Sweden and USA (750000 €). I participated in organization committees of Ecoflora (2018, 2022) and Ibagreco (2018) meetings, and Complex Networks Symposium (2021), represented 'Ramon y Cajal' researchers at UIB's workforce company committee (2019-2022). My scientist assessment activities include 15 PhD Thesis juries (2010-2023), 15 project evaluations for ANEP (2009-2023) 1 for DEVA (2022), 22 for AEET (2015), and 7 for foreign agencies (2011-2024), and was in the committee for evaluation of National Projects (21 projects evaluated; 2020). I have evaluated in >120 occasions for >40 SCI journals, and I am Academic Editor of PlosOne, Land, and Front Bee Sci. I am actively involved in science dissemination activities (>30 activities since 2016), being in the 'IMEDEA-Maria de Maetzu' committee for outreach. I am a member of AEET, SIBECOL, SESBE, BES and ESA, being a cofounder member of IBAGRECO. I had 4 kids between 2008-2017 for which I was over two years of maternal leave (26 no consecutive months).

### **Part C. RELEVANT MERITS** (sorted by typology)

#### **C.1. Publications** (10 more relevant in the last 5 years)

10. C Gómez-Martínez, **A Lázaro** (2024) A new tool to improve the estimates of interaction rewiring considering the whole community composition. *Methods in Ecology and Evolution* 15:1438–1449. IF: 6.6.
9. C Tourbez, C Gómez-Martínez, M<sup>A</sup> González-Estévez, **A Lázaro** (2023) Pollen analysis reveals the effects of uncovered interactions, pollen-carrying structures, and pollinator sex on the structure of wild bee–plant networks. *Insect Science*, DOI 10.1111/1744-7917.13267. IF: 4.0
8. **A Lázaro**, C Gómez-Martínez (2022) Habitat loss increases seasonal interaction rewiring in plant–pollinator networks. *Functional Ecology* 36 (10), 2673-2684. IF: 6.3
7. **A Lázaro**, C Gómez-Martínez, M<sup>A</sup> González-Estévez, M Hidalgo (2022) Portfolio effect and asynchrony as drivers of stability in plant–pollinator communities along a gradient of landscape heterogeneity. *Ecography* 2022 (3), e06112. IF: 6.0
6. C Gómez-Martínez, M<sup>A</sup> González-Estévez, J Cursach, **A Lázaro** (2022) Pollinator richness, pollination networks, and diet adjustment along local and landscape gradients of resource diversity. *Ecological Applications*, e2634. IF: 4.7.
5. **A Lázaro** et al. (2021) Impacts of beekeeping intensity on the structure of pollination interactions in the Aegean. *Ecography*. 44, pp. 1353 - 1365. IF: 6.5.
4. P<sup>J</sup> Bergamo, A Traveset, **A Lázaro** (2021) Pollinator-mediated indirect effects on plant fecundity revealed by network indices. *The American Naturalist* 198 (6), 734-749. IF: 3.9.
3. C Gómez-Martínez, ALTO Aase, Ø Totland, J Rodríguez-Pérez, T Birkemoe, A Sverdrup-Thygeson, **A Lázaro** (2020) Forest fragmentation modifies the composition of bumblebee communities and modulates their trophic and competitive interactions for pollination. *Scientific Reports* 10 (1), 1-15. IF: 4.1. Most downloaded of Imedeia after publication.



2. **A Lázaro**, C Gómez-Martínez, D Alomar, MA González-Estévez, A Traveset (2020) Linking species-level network metrics to flower traits and plant fitness. *Journal of Ecology* IF: 5.8
1. **A Lázaro**, F Fuster, D Alomar, Ø Totland (2020) Disentangling direct and indirect effects of habitat fragmentation on wild plants' pollinator visits and seed production. *Ecological Applications*, e02099. IF: 4.4

### C.2. Congress (10 selected oral communications in the last 10 years)

10. **A. Lázaro**, C Gómez-Martínez, MA González-Estévez, M Hidalgo. Portfolio effect and asynchrony as drivers of stability in plant-pollinator communities along a gradient of landscape heterogeneity. Conference: MEDECOS (ISOMED). Langeban, South African Republic. Dates: 05-09/09/22.
9. **A Lázaro**, C Gómez-Martínez. Habitat loss increases seasonal interaction rewiring in plant-pollinator networks. Conference: XIV ECOFLOR meeting (AEET). Maó, Spain. Dates: 16-19/02/22.
8. C Gómez-Martínez, MA González-Estévez, J Cursach, **A Lázaro**. Pollinator richness, pollination networks, and diet adjustment along local and landscape gradients of resource diversity. Conference: Econet2021: V Symposium on Ecological Networks. Palma de Mallorca, Spain. Dates: 10-12/11/21.
7. **A Lázaro**. Electromagnetic radiation of mobile telecommunication antennas affects the abundance and composition of wild pollinators. Conference: Environmental effects of electric, magnetic, and electromagnetic fields: Flora and Fauna. German Federal Office for Radiation Protection. Munich, Germany. Dates 05-07/11/19. **Invited speaker.**
6. **A Lázaro**, PJ Bergamo, C Gómez-Martínez, D Alomar, MA González-Estévez. Conference: GFO-Annual Meeting of the Ecological Society of Germany, Austria and Switzerland. Münster, Germany. Dates: 09-13/09/19. **Invited speaker.**
5. PJ Bergamo, A Traveset, **A Lázaro**. Pollinator-mediated indirect effects on plant fitness revealed by network indices. Conference: 43rd New Phytologist Symposium: Interaction networks and trait evolution. Zürich, Switzerland. Dates: 01-04/07/19.
4. **A Lázaro**, C Gómez-Martínez, D Alomar, MA González-Estévez, A Traveset. Linking network parameters to species traits and fitness. Conference: 1st Meeting of the Iberian Ecological Society (SIBECOL) & XIV AEET Meeting- Ecology an integrative science in the Anthropocene. Barcelona, Spain. Dates: 4-7/02/2019.
3. **A. Lázaro**, F Fuster, D Alomar, O Totland. Disentangling direct and indirect effects of habitat fragmentation on pollination service: natural communities within agricultural landscapes. Conference: Iberian Meeting on Agroecological Research - Establishing the ecological basis for sustainable agriculture. Évora, Portugal. Dates: 22-23/11/2018.
2. **A Lázaro**. Pollen limitation, habitat fragmentation and pollinator loss in the subarctic. Conference: British Ecological Society Annual Meeting. Ghent, Belgium. Dates 11-14/12/17. **Invited speaker.**
1. **A. Lázaro**, D Alomar, O Totland. Effect of landscape characteristics and local floral community on plants' ecological specialization on pollinators. Conference: SCAPE meeting (Scandinavian Association of Pollination Ecology). Abisko, Sweden. Dates: 13-16/10/2016.

### C.3. Research projects (more relevant in the last 10 years)

- 2024-2027.** Spatio-temporal stability and FUNCTIONality of plant-pollinator interactions under LAND-use and climatic pressures: the role of niche flexibility and intraspecific variation (FUNLAND; PID2023-150295OB-I00). Entity: CSIC-IMEDEA. PI: Amparo Lázaro. Financial Entity: MICIN. Amount: 148.000 €
- 2024-2026.** Consolidation of the Balearic network for the monitoring of butterflies as a bioindicator of the health of the ecosystems of the Balearic Islands (BMSBal; BIOPRO2024\_010). Entity: CSIC-IMEDEA. PI: **Amparo Lázaro**. Financial Entity: Government of the Balearic Islands. Amount: 75.000 €



- 2023-2025.** Biodiversity and conservation of singular plant species of the Balearic Islands in littoral habitats (BIO/007). Entity: University of the Balearic Islands (UIB). PI: Joana Cursach. Financial Entity: Government of the Balearic Islands. Amount: 80681 €
- 2022-2025.** PASTURE +: livestock products that restore natural capital, mitigate climate change and promote rural development. Entity: UIB (for coordination of the Balearic region: coordinator **Amparo Lázaro**). PI: MA Muriel. Financial Entity: Fundación Biodiversidad. Amount: 1679635,52€
- 2022-2024.** Impact of exotic flora on ecosystems of Menorca: current status, detection of future threats and expansion focus. Entity: UIB. PI: Joana Cursach and Miquel Capó. Entity: Menorquinian Institute for Studies. Amount: 2410 €
- 2021-2025.** MULTIPLE anthropogenic pressures to the pollination service in insular managed landscapes: FUNCTION, synergies, and vulnerability in wild plants and crops (MULTIFUN; PID2020-117863RB-I00). Entity: UIB-IMEDEA. PI: **Amparo Lázaro**. Financial Entity: MICIN. Amount: 105.000 €
- 2019-2022.** An integrated approach to conservation of threatened plants for the 21st Century (ConservePlants). Financial Entity: COST Action Programme. European Cooperation in Science and Technology (ref. CA18201). WP Flower Complexity (IP: Theodora Petanidou, **Amparo Lázaro** Leader Spanish team).
- 2018-2021.** Pollination by WILD insects as ecosystem service in insular managed landscapes: stability, mechanisms and FUNCTIONAL consequences on wild plants and crops (WILDFUN; CGL2017-89254-R). Entity: UIB-IMEDEA. PI: **Amparo Lázaro**. Financial Entity: MINECO. Amount: 106.000 €
- 2016- 2019.** Estudio multiescalar del papel de los herbívoros en la vegetación mediterránea insular y su interacción con el fuego (HERBINSU; CGL2015-70449-R) (work team). Entity: Universidad Autónoma de Barcelona; PI: Dr. Jordi Bartolomé. Financial Entity: MINECO. Amount: 169.400€
- 2016-2018.** Decreasing ecosystem services due to the loss of wild pollinators: natural systems and crops. Entity: IMEDEA. PI: Dr. **Amparo Lázaro**. Financial Entity: Govern de les Illes Balears. Amount: 65.300 €
- 2015.** Polinizadores silvestres como recurso natural para la producción en agrosistemas: cultivos de almendros como caso de estudio. Entity: IMEDEA; PI: Dr. **Amparo Lázaro**. Financial Entity: AEET. Amount: 3.000 €
- 2012-2015.** The pollinators of the Aegean: diversity and threats (POL-AEGIS). Entity: University of the Aegean (Greece); PI: Theodora Petanidou. Financial Entity: European Union (European Social Fund – ESF). Amount: 600.000€

#### C.4. Contracts, technological or transfer merits.

- 2023-2024. Knowledge transfer for development:** Study of the diversity of wild bees as an indicator of environmental sustainability in argentinian agrosistemas. Entity: UIB-IMEDEA. PI: **Amparo Lázaro**. Financial Entity: UIB, *Oficina de Cooperació al Desenvolupament i Solidaritat* (OCDS). Amount: 15.000 €
- 2022-2023. Knowledge transfer for development:** Diagnostic for the potential change in the agrosystems of the Páramo Alto Andino in Nariño to improve their resilience to climate change and enhance environmental services. Entity: UIB, *Oficina de Cooperació al Desenvolupament i Solidaritat* (OCDS). PI: Elena Baraza. Financial Entity: UIB. Amount: 7.240 €
- 2020. Knowledge transfer for development:** Cooperation for the advance in the eco-physiological analysis and the study and application of mycorrhizae for the conservation and biodiversity restoration of the Andean páramos (Colombia). Entity: UIB, *Oficina de Cooperació al Desenvolupament i Solidaritat* (OCDS). PI: Elena Baraza. Financial Entity: UIB. Amount: 6.100 €
- 2016. Outreach-Web Page:** Anna Traveset, **Amparo Lázaro**, Cristina Tur, et al. Web Page 'Pollinators from the Balearic Islands'. Entity: IMEDEA. Financial Entity: Balearic Government. Amount: 10.000 €
- 2015-2016. Scientific-technic report:** Anna Traveset, **Amparo Lázaro**, et al. Impact of Paysandisia archon (F. Castniidae, O. Lepidoptera) on *Chamaerops humilis* L. in Mallorca Island Entity: IMEDEA. Financial Entity: Balearic Government. Amount: 15.000 €