

## Part A. PERSONAL INFORMATION

**Date of CVA:** 14/03/2025

|                                  |                                 |                     |    |
|----------------------------------|---------------------------------|---------------------|----|
| Name and Surname                 | LUIS ALBERTO NAVARRO ECHEVERRIA |                     |    |
| DNI/NIE/pasaporte                | 15.993.782L                     | Age                 | 58 |
| Researcher Identification Number | Researcher ID                   | C-4175-2008         |    |
|                                  | Orcid code                      | 0000-0002-8308-2237 |    |

### A.1. Current Professional Situation

|                            |                                                                                                   |        |                   |
|----------------------------|---------------------------------------------------------------------------------------------------|--------|-------------------|
| Institution                | Universidade de Vigo                                                                              |        |                   |
| Department/Center          | Biología vexetal e ciencias do solo                                                               |        |                   |
| Address                    | CAMPUS AS LAGOAS-MARCOSENDE (36200)                                                               |        |                   |
| Phone                      | +34 986812619                                                                                     | e-mail | lnavarro@uvigo.es |
| Position                   | Full professor                                                                                    |        |                   |
| Start date                 | 21/11/2022                                                                                        |        |                   |
| UNESCO specialization code | 241700                                                                                            |        |                   |
| Keywords                   | Conservation of Threatened Species; Plant-Animal Interactions; Scientific Outreach; Animated Film |        |                   |

| Degree                                   | University                           | Year         |
|------------------------------------------|--------------------------------------|--------------|
| Bachelor's in Biological Sciences        | University of Santiago de Compostela | June 1991    |
| Bachelor's Degree in Biological Sciences | University of Santiago de Compostela | June 1992    |
| PhD in Biological Sciences               | University of Santiago de Compostela | October 1996 |

### A.3. General indicators of research and transfer quality

- Positive evaluation in six five-year teaching periods (quinquenios), five six-year research periods (sexenios), and one six-year knowledge transfer period (sexenio de transferencia).
- Scientific articles: 104
- Scientific books: 5
- Book chapters with international scientific committee: 11
- Participation in scientific conferences: Over 100
- h-Scholar Index: 37
- Invited lectures given: 70
- Postgraduate courses taught abroad: 6
- Participation in publicly funded research projects: 53 (22 as Principal Investigator)
- Reviewer for scientific manuscripts for 22 SCI-indexed journals
- Editor-in-Chief of the scientific journal Ecosistemas (ISSN 1697-2473) (2008-2012)
- Associate Editor of Journal of Plant Development (ISSN 2065-3158) (2009-present)
- Evaluator for competitive public research programs: ANEP, Junta de Andalucía, Comunidad de Madrid, Agência de Qualitat Universitària de les Illes Balears, Fundación Caja Canarias and Fundación Bancaria La Caixa, FONCYT, Agência de Avaliação e Acreditação do Ensino Superior (A3ES), Czech Science Foundation, Nederlandse organisatie voor wetenschappelijk onderzoek.
- Evaluator for degree accreditation systems for the Agency for Scientific and University Quality of Andalusia.
- MC Member of COST Action CA18201 “An Integrated Approach to Conservation of Threatened Plants for the 21st Century”

- Undergraduate Theses, Advanced Studies Diplomas, and Master's Theses supervised: 37
- Doctoral Theses supervised: 7
- Participation in Doctoral Thesis Committees: 24
- Supervision of students in company internships: 12

Scientific Outreach Activities and Transference:

- Scientific dissemination videos: 69 short films with ISAN (translated into multiple languages)
- Illustrated stories and comics: 3
- <http://divulgare.net>
- <https://vimeo.com/user1296710/videos>
- Development of educational websites: 2
- Contracts with public administrations and/or private companies: 30

## **Part B. SUMMARY OF THE CURRICULUM**

I obtained my PhD in Biological Sciences from the University of Santiago de Compostela in 1996. After working at the universities of Santiago de Compostela and Puerto Rico, I secured a position as Full Professor of Botany at the University of Vigo, where I currently carry out my teaching and research activities. I lead the Ecology and Evolution Research Group at this university and have participated in numerous research projects focused on evolutionary biology, plant-animal interactions, and ecosystem conservation and restoration. To date, I have published over 100 scientific articles and five internationally recognized books (h-Scholar Index = 37). I have been involved in 53 research projects, leading 22 of them, and have supervised seven doctoral theses and more than 30 postgraduate works. Additionally, I have collaborated with various universities in Spain and abroad, delivering postgraduate courses in Puerto Rico, Cuba, Venezuela, Italy, Chile, and Brazil. I have also served on editorial boards of scientific journals, being Editor-in-Chief of *Ecosistemas* (2008-2012), and have evaluated projects and programs for various national and international agencies. My research career has been recognized with six teaching periods (quinquenios), five six-year research periods (sexenios), and one six-year knowledge transfer period (sexenio de transferencia).

Since 2008, I have complemented my academic work with extensive science communication activities, producing audiovisual and narrative content through Divulgare.net. I have produced 69 short films and scientific documentaries, translated into several languages and with over 1.5 million views in 152 countries. In recent years, I have also been involved in the production of comics and illustrated stories, work that has received 25 awards and nominations at international competitions. This strong commitment to science outreach and knowledge transfer partly explains the relatively lower proportion of first-author scientific publications over the past 15 years, during which I devoted significant effort to bringing scientific knowledge closer to a wide audience.

Since early 2025, I have reoriented my professional activity to prioritise basic research once again, with the aim of strengthening my leadership in competitive scientific projects and increasing the production of high-impact international publications, while maintaining as a guiding principle the integration of research, teaching, and knowledge transfer to contribute to a better public understanding of how ecosystems function.

## **Part C. MOST RELEVANT MERITS**

### **C.1. 10 Most representative publications (last 10 years)**

1. Rojas-Nossa, S., Sánchez, J.M.; **Navarro, L.** (2016). Effect of nectar robbing on male and female reproductive success of a pollinator-dependent plant. *Annals of Botany* 117: 291-297.
2. Rojas-Nossa, S., Sánchez, J.M.; **Navarro, L.** (2016). Nectar robbing: a common phenomenon mainly determined by accessibility constraints, nectar volume and density of energy rewards. *Oikos* 125: 1044-1055.

3. Ferrero, V.; Barrett, S.C.H.; Rojas, D.; Arroyo, J.; **Navarro, L.** (2017). Associations between sex-organ deployment and morph bias in related heterostylous taxa with different stylar polymorphism. *American Journal of Botany* 104 (1): 50-61
4. Traveset, A.; **Navarro, L.** (2018) Plant reproductive ecology and evolution in the Mediterranean islands: state of the art. *Plant Biology* 20: 63-77.
5. Gómez, J.M.; Perfectti, F.; Armas, C.; Narbona, E.; González-Megías, A.; **Navarro, L.**; DeSoto, L.; Torices, R. (2020). Within-individual phenotypic plasticity in flowers fosters pollination niche shift. *Nature communications* 11:4019.
6. Rojas-Nossa, S., Sánchez, J.M.; **Navarro, L.** (2021). Nectar robbing and plant reproduction: an interplay of positive and negative effects. *Oikos* 130: 601-608.
7. Gómez, J.M.; González-Megías, A.; Narbona, E.; **Navarro, L.**; Perfectti, F.; Armas, C.; (2022). Phenotypic plasticity guides *Moricandia arvensis* divergence and convergence across the Brassicaceae floral morphospace. *New Phytologist* 233:1479-1493.
8. Gómez, J.M.; González-Megías, A.; Armas, C.; Narbona, E.; **Navarro, L.**; Perfectti, F.; (2023). The role of phenotypic plasticity in shaping ecological networks. *Ecology Letters* 26: S47-S61.
9. Medel, R., Traveset, A. & **Navarro, L.** (2024). Más allá de la pérdida de especies: Interacciones ecológicas en el Antropoceno. Ediciones Fremem SpA., Santiago de Chile, Chile. 414 páginas. ISBN: 978-956-6191-13-1.
10. Gómez, J.M.; González-Megías, A.; Armas, C.; Narbona, E.; **Navarro, L.**; Perfectti, F.; (2024). Selection maintains a non-adaptive floral polyphenism. *Evolution Letters* 8:610-621.

## C.2. Participation in R&D&I projects in the last 10 years

**Project Title:** "Macro-evolutionary adaptive landscape and niche conservation in the *Broughtonia* alliance (Orchidaceae)" CGL2013-45941

**Funding Entity:** Ministry of Economy and Competitiveness

**Duration:** January 1, 2014 – March 31, 2017

**Principal Investigator:** Luis Navarro

**Funding:** €96,800

**Project Title:** "MARINER-Enhancing HNS preparedness through training and exercising" ECHO 2015-PREP10

**Funding Entity:** ECHO A - Strategy, Policy and International Cooperation. Unit A5 - Civil Protection Policy-EU

**Duration:** January 1, 2016 – December 31, 2017

**Principal Investigator:** Luis Navarro (UVIGO)

**Funding:** €141,932 (UVIGO) Total: €999,906

**Project Title:** "Ecological interactions as management indicators in protected natural areas"

**Funding Entity:** CYTED 418RT0555

**Duration:** January 1, 2018 – December 31, 2021

**Principal Investigator:** Rodrigo Medel (University of Chile)

**Funding:** €120,000

**Project Title:** "Evolutionary and functional ecology of phenotypic plasticity in the genus *Moricandia*" CGL2017-86626-C2-1-P

**Funding Entity:** Ministry of Economy and Competitiveness

**Duration:** January 1, 2018 – December 31, 2021

**Principal Investigator:** José María Gómez (EEZA-CSIC)

**Funding:** €145,200

**Project Title:** "Involving people to protect wild bees and other pollinators in the Mediterranean (Life 4 Pollinators)" LIFE18 GIE/IT/000755

**Funding Entity:** LIFE Environmental Governance and Information (EU)

**Duration:** October 1, 2019 – September 30, 2024

**Principal Investigators:** Luis Navarro (Universidade de Vigo), Marta Galloni (Università di Bologna)

**Funding:** €158,000

**Project Title:** "An integrated approach to conservation of threatened plants for the 21st century" (ConservePlants) CA18201

**Funding Entity:** COST European Cooperation in Science and Technology

**Duration:** October 15, 2019 – October 14, 2023

**Principal Investigator:** Živa Fišer

**Project Title:** "Evolution of phenotypic plasticity in the genus *Moricandia*" P18-FR-3641

**Funding Entity:** Junta de Andalucía

**Duration:** January 1, 2020 – December 31, 2022

**Principal Investigators:** Francisco Perfectti (Universidade de Granada), José María Gómez (EEZA-CSIC)

**Funding:** €116,849

**Project Title:** "Prioritization for ex situ conservation of plant populations highly vulnerable to climate change and with taxonomic uncertainty (PRIOCONEX)"

**Funding Entity:** Fundación Biodiversidad

**Duration:** July 1, 2020 – June 30, 2022

**Principal Investigator:** Pablo Tejero (Aranzadi Zientzia Elkartea)

**Funding:** €63,334.38

**Project Title:** "Analysis of the effect of rock climbing on the conservation of cliff plants in protected areas of Spain (EcoClimb A-RNM-4-UGR20)"

**Funding Entity:** FEDER-Andalucía Operational Program 2014-2020

**Duration:** October 1, 2021 – December 31, 2024

**Principal Investigator:** Juan Lorite (Universidad de Granada)

**Funding:** €55,000

**Project Title:** "First systematic study of pollinators and dissemination of their importance for biodiversity conservation in the two marine-terrestrial National Parks (PolinIslas)" (Ref. 2713/2021)

**Funding Entity:** Autonomous National Parks Agency

**Duration:** January 1, 2022 – December 31, 2024

**Principal Investigator:** Anna Traveset (IMEDEA-CSIC)

**Funding:** €90,638.40

**Project Title:** "Costs and benefits of multivariate phenotypic plasticity in *Moricandia arvensis* (Adapmar)" (Ref. PID2021-126456NB-C21)

**Funding Entity:** Ministry of Science and Innovation

**Duration:** September 1, 2022 – September 1, 2025

**Principal Investigator:** José María Gómez (EEZA-CSIC)

**Funding:** €196,020.00