

Curriculum vitae

PERSONAL INFORMATION

Dr. Sissi Donna Lozada Gobilard

Birth: 20th. January 1990 in La Paz (Bolivia)

Married, 2 children.

Address: Illiongränden 156, Lund (Sweden)

Tel: +46709723827, +4915770256519

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Webpage: <https://slozadagobilard.com/>

Google scholar: <https://scholar.google.com/citations?hl=es&user=rdplcr4AAAAJ>

ResearchGate: https://www.researchgate.net/profile/Sissi_Lozada-Gobilard



WORK EXPERIENCE

June 2025–now

Principal Investigator (independent researcher)

Lund University (Sweden), SPeciation, Adaptation and Co-Evolution (SPACE) Research.

SEPT 2022–JUNE 2025

Postdoctoral researcher

Lund University (Sweden), SPeciation, Adaptation and Co-Evolution (SPACE) Research. Øystein Opedal group.

Oct 2020–Aug 2022

Postdoctoral researcher

Tel Aviv University and Yehuda Botanical Garden Tel Aviv (Israel), Plant Evolutionary Ecology. School of Plant Sciences and Food Security. Yuval Sapir working group.

Jan–Sept 2020

Postdoctoral researcher

Charles University, Prague (Czech Republic), Institute of Botany of the Czech Academy of Sciences. Department of Population Biology. Prof. Zuzana Münzbergová working group.

Jan 2016–Oct 2019

Scientific researcher and PhD candidate

University of Potsdam (Germany), Institute of Biology and Biochemistry. PhD project part of BioMove Research Training Group (<https://www.bio-move.org>).

EDUCATION AND TRAINING

16 Oct 2019

Doctoral Degree (Dr. rer. nat.)

PhD Thesis: "From genes to communities: Assessing plant diversity and connectivity in kettle holes as metaecosystems in agricultural landscapes" (*Magna Cum Laude*). Supervisors: Prof Dr. Jasmin Joshi and Prof. Dr. Ralph Tiedeman, University of Potsdam.

30 Nov 2015

Plant Sciences Master Degree

Master Thesis: Pollination rewards and Breeding Systems in *Impatiens*. NEES Institut für Biodiversität der Pflanzen. University of Bonn, Bonn (Germany) (Final grade 1.0).

14 Dec 2012

Bachelor Degree in Biology

Bachelor Thesis: Population structure of a palm species according to cattle presence. Universidad Mayor de San Andrés, La Paz (Bolivia).

18 June 2008

High School Diploma

Best Student and Student President Senior Class 2007. Colegio San Calixto, La Paz (Bolivia).

ADDITIONAL INFORMATION

Conferences/Symposiums
(most recent)

Poster contribution: "How do biotic (pollinators) and abiotic (soil nutrients) affect color variation in *Digitalis purpurea* in native and introduced populations?" at Population Biology Conference PopBio in Prague, Czech Republic 22-24 May 2025.

Oral contribution: "Identifying genes related to flower size in *Iris atropurpurea*." at Second Bolivian Congress of Molecular Biology in La Paz 21-24 August 2024.

Oral contribution: "Flower allometry and its relationship with pollinators along an altitudinal gradient of the tropical Andes of Bolivia." at ICB Internation Conference of Botany, Madrid 21-27 July 2024. And Co-organizer of Symposium: *Understanding floral evolution along multiple dimensions: emerging patterns of morphological, scent, and color variation*.

Book event: "Meet the authors of the children's books about plant science" at COST ConservePlants Final Conference, Izola, Slovenia from 12th – 13th February 2024.

Poster contribution: "Interactive effects of light, water, soil type and competition on the endangered *Minuartia smejkalii* vary over time" at COST ConservePlants Final Conference, Izola, Slovenia from 12th – 13th February 2024.

Scholarships and awards

ITC Conference Grant to attend Festival of Ecology BES (online) granted by COST Action CA18201: An integrated approach to conservation of threatened plants for the 21st Century.

Post-doctoral fellowship (1 year) between Potsdam and Tel Aviv University (~24K euros).

STMS Grants (2) for visiting postdoctoral researcher at Institute of Botany of the Czech Academy of Sciences (Pruhonice, Czech Republic, 3 months) and to learn about science communication at Vigo University (2 weeks), granted by COST Action CA18201: An integrated approach to conservation of threatened plants for the 21st Century (5K euros).

Scholarship Brückenprogramm University of Potsdam for finalizing PhD project (6 months in 2019, 6K euros).

Hans Seidel Foundation Scholarship for Master Studies (2014-2015, ~18K euros).

First place in the Novice category in the competition "Knowing the Crop Wild Relatives" VMABCC, Global Project UNEP/GEF Universidad Mayor de San Andrés, La Paz.

Diploma of Honor in recognition of the hard work and academic dedication demonstrated during 2008, 2009 and 2010. Universidad Mayor de San Andrés, La Paz.

References

Dr. Øystein H. Opedal

Lund University, Sweden
oystein.opedal@biol.lu.se

Prof. Dr. Ralph Tiedemann
Universität Potsdam, Germany
tiedeman@uni-potsdam.de

Yuval Sapir, PhD

Tel Aviv University, Israel
sapiry@tauex.tau.ac.il

Prof. Dr. Jasmin Joshi
University of Applied Sciences of
Eastern Switzerland
jasmin.joshi@hsr.ch

MAJOR GRANTS

(~581.5K euros in total)
2025-2028

2026-2027

2025-2026

2025-2026

2026-2027

2023-2024

2023-2024

2023-2024

2021-2023

Swedish Research Council VR Grant to become an independent researcher and start of my research group. ~400K euros.

Crafoord Foundation Research Grant to hire a postdoc for my new group and fieldwork expenses ~120K euros.

Swedish Academy of Science Grant for fieldwork expenses ~10K euros.

Elly Olsson Foundation Grant for fieldwork expenses ~12K euros.

Outreach Grant from ESEB on "Knowing our local pollinators" in Bolivia 4K euros.

Royal Physiographic Society of Lund Grant for fieldwork in Bolivia ~15K euros.

Swedish Phytogeographical Society Grant for fieldwork in Bolivia ~5.5K euros.

Lund Botanical Society Grant for fieldwork in Sweden ~5K euros.

COST Action (CA18201) Grant for printing and design of Children Book ~10K euros.

PERSONAL SKILLS

Mother tongue(s)

Spanish

Other language(s)

English, very good; German: Medium; Portuguese, very good.

Computer skills

Windows, Microsoft Office, Mac, GIS, R, Linux (bioinformatics)

Hobbies

Drawing, biking, dancing and practicing yoga.

LIST OF PUBLICATIONS

Lozada-Gobilard, S., Espinoza Peñaloza P., Pascucci, G., Aliwi, Z., Larsson, E., Brydegaard, M., and Ø.H. Opedal. 2025. Pollination and soil nutrients do not explain floral color variation in *Digitalis purpurea*. *Accepted in American Journal of Botany. Special Issue on flower color.*

Labin T., Zhu J., Y. Sapir, Y., and S. **Lozada-Gobilard**. Relationship between flower color polymorphism and seed dispersal ability in *Anemone coronaria* along an aridity gradient in Israel. *Accepted in Nordic Journal of Botany.*

Lozada-Gobilard, S., Santana P.C., Maidana-Tuco, Y., Gutierrez, E.O., and T. Ortuño. 2025. Distinct intra- and interspecific foraging preferences of stingless bee species as a conservation tool. *Biotropica*. 57 (5) <https://doi.org/10.1111/btp.70081>.

Lozada-Gobilard, S., Gallagher K., Helicz R., Bar O., Ghara M., Bar-Lev Y., Kraaij M., van der Kooi C., Koren I., and Y. Sapir. 2025. Flower display and temperature in Royal irises (*Iris* section *Oncocyclus*, Iridaceae). *Journal of Plant Ecology*. <https://doi.org/10.1093/jpe/rtaf104>.

Tomowski M., von Steimker T., Mewis V. Ernst A., **Lozada-Gobilard** S., Joshi J., Jeltsch F., and R. Tiedemann. 2025. Beyond Dispersal Limitation: Drivers of Fine-Scale Population Structure in Two Common Solitary Wild Bees. *Conservation Genetics*. <https://doi.org/10.1007/s10592-025-01723-0>.

- Ortuño T., Gutierrez-Romero, J. Montesinos-Tubee D., and **S. Lozada-Gobilard**. 2025. Two new species of *Gomphrena* (Amaranthaceae) from Bolivia. *International Journal of Plant Biology* 16(2). <https://www.mdpi.com/2037-0164/16/2/51>.
- Ramos-Chuquimia, D., Zelada, M., Benitez-Vieyra, S., and **S. Lozada-Gobilard**. 2024. Restricción y facilitación de transferencia de análogos de polen intra e interespecífica. *Revista de Ciencia Tecnología e Innovación* 22 (29). <https://doi.org/10.56469/rcti.v22i29.940>.
- Li, X., Xin, Z., Duan, R., Dong, X., Bao, Y., Li, X., Ma, Y., Huang, Y., Luo, F., Li, X., Wei, X., Jiang, Z., **Lozada-Gobilard**, S., and J. Zhu. 2024. Density affects plant size in the Gobi Desert. *Science of the Total Environment* 912 (169401) <https://doi.org/10.1016/j.scitotenv.2023.169401>.
- Lozada-Gobilard**, S., Nielsen, N. and Y. Sapir. 2023. Flower size as an honest signal in Royal Irises (*Iris* section *Oncocyclus*, Iridaceae). *Plants* 12 (16). <https://doi.org/10.3390/plants12162978>.
- Tomowski, M., **Lozada-Gobilard**, S., Jeltsch, F., and R. Tiedeman. 2023. Recruitment and migration patterns reveal a key role for seed banks in the meta-population dynamics of an aquatic plant. *Scientific Reports* 13, 11269. <https://doi.org/10.1038/s41598-023-37974-5>.
- Velásquez-Noriega, P., Cuba, **Lozada-Gobilard**, S., I., Paca-Condori A., and E., M. Gómez. 2023. An annotated bird checklist of two touristic trails in Yungas, Bolivia. *Cotinga* 45. <https://www.neotropicalbirdclub.org/cotinga-45-digital-toc/>.
- Lozada-Gobilard**, S., Panková, H., and Z. Münzbergová. 2023. Interactive effects of light, water, soil type, and competition on endangered *Minuartia smejkalii* vary over time. *Preslia* 95 (1). <http://dx.doi.org/10.23855/preslia.2023.165>.
- Lozada-Gobilard**, S., Motter, A., and Y. Sapir. 2022. Among-years rain variation is associated with flower size, but not with signal patch size in *Iris petrana*. *Ecology* 104 (1). <https://doi.org/10.1002/ecy.3839>.
- Lozada-Gobilard**, S., Jeltsch F., and J. Zhu. 2021. High matrix vegetation decreases mean seed dispersal distance but increases long wind dispersal probability connecting local plant populations in agricultural landscapes. *Agriculture, Ecosystems & Environment* 322. <https://doi.org/10.1016/j.agee.2021.107678>.
- Lozada-Gobilard**, S., Landivar, C., Paetzig, M., Hausmann, S., Rupik, K., R., Tiedemann and J. Joshi. 2021. Habitat quality and connectivity in kettle holes enhance bee diversity in agricultural landscapes. *Agriculture, Ecosystems & Environment* 319. <https://doi.org/10.1016/j.agee.2021.107525>.
- Lozada-Gobilard**, S., Dyer, R., Schwarzer, C., Tiedemann R., and J. Joshi. 2021. Genetic diversity and connectivity in plant species differing in clonality and dispersal mechanisms in wetland island habitats. *Journal of Heredity* 112 (1). <https://doi.org/10.1093/jhered/esaa059>.
- Abrahamczyk, S., Humphreys, A., Trabert, F., Droppelmann, F., Gleichmann, M., Krieger, V., Linnartz, M., **Lozada-Gobilard**, S., Rahelivololona, M.E., Schubert, M., Fischer, E., Janssens, S. and M. Weigend. 2021. Evolution of brood-site mimicry in Madagascan *Impatiens* (Balsaminaceae) clade. *Perspectives in Plant Ecology, Evolution and Systematics*: 49. <https://doi.org/10.1016/j.ppees.2021.125590>.
- Lozada-Gobilard**, S., Zhu, J., Panková, H., Stojanova, B. and Z. Münzbergová. 2020. Potential risk of interspecific hybridization in *ex situ* collections. *Journal for Nature Conservation*: 58. <https://doi.org/10.1016/j.jnc.2020.125912>.
- Lozada-Gobilard**, S., Avila-Calero S., Ortuño T. and M. Weigend. 2020. Taxonomical Revision of the Genus *Hypseochaeris* in Peru and Bolivia. *Revista Peruana de Biología*: 27 (3). <http://dx.doi.org/10.15381/rpb.v27i3.17598>.
- Schlägel, U., Grimm, V., Blaum, N., Colangeli, P., Dammhahn, M., Eccard, J., Hausmann, S., Herde, A., Hofer, H., Joshi, J., Kramer-Schadt, S., Litwin, M., **Lozada-Gobilard**, S., Müller, M., Müller, T., Nathan, R., Petermann, J., Pirhofer-Walzl, K., Radchuk, V., Rillig, M., Roeleke, M., Schäfer, M., Scherer, C., Schiro, G., Scholz, C., Teckentrup, L., Tiedemann, R., Ullmann, W., Voigt, C., Weithoff, G., and F. Jeltsch. 2020. Movement-mediated community assembly and coexistence. *Biological Reviews*: 95 (4). <https://doi.org/10.1111/brv.12600>.
- Lozada-Gobilard**, S., Stang, S., Pirhofer-Walzl, K., Kalettka, T., Heinken, T., Schröder, B., Eccard, J., and J. Joshi. 2019. Environmental filtering and patch dynamics predict plant-community trait distribution and biodiversity: Kettle holes as models of meta-community systems. *Ecology and Evolution*: 9 (4). <https://doi.org/10.1002/ece3.4883>.
- Lozada-Gobilard**, S., Weigend, M., Fischer, E., Janssens, S., Ackermann, M., and S., Abrahamczyk. 2018 Breeding Systems in Balsaminaceae in relation to pollen/ovule ratio, pollination syndromes, life history and biome. *Plant Biology*: 21 (1). <https://doi.org/10.1111/plb.12905>.
- Abrahamczyk, S., **Lozada-Gobilard**, S., Ackermann, M., Fisher, E., Krieger, V., Redling, V., and M., Weigend. 2017. A question of data quality-Testing pollination syndromes in Balsaminaceae. *Plos One*: 12 (10). <https://doi.org/10.1371/journal.pone.0186125>.
- Lozada Gobilard**, S. and M. Moraes. 2013. Structure population of the Totai palm (*Acrocomia aculeata*, Arecaceae) according to presence of cattle in localities of Beni and Santa Cruz

Submitted / in revision

- Bar-Lev Y., **Lozada-Gobilard, S.**, Xavier, A., Glick, L., Mayrose, I. and Y. Sapir. Evolutionary history, ecological divergence, and introgression in the *Oncocyclus* irises species complex in the Southern Levant. Bioarxiv Preprint <https://doi.org/10.1101/2025.10.16.682823>.
- Maldonado, F, Moraes R., M., and S. **Lozada-Gobilard**. Phenotypic plasticity of *Nicotiana glauca* (Solanaceae) in the city. *Abstract accepted in Biotropica Special Issue on urbanization*.
- Ollerton, J, Castellanos, MC., Pereira Nunes, C., et al. (+21 authors), **Lozada-Gobilard, S.**, Newman, E., Osterman, W., Prendergast, K., Lopez Spahr, D., Tarrant S., Barberis M., Galloni, M., Faninato, E., Buffa, G., Simmons. B., Kaiser-Bunbury, C., and Z-X Ren. The global relationship between flowering plant and pollinator diversity holds true across scales, latitude, and human influence. *In review in Nature Ecology and Evolution*.
- Sakhalkar, S., Blüthgen, N., Burkle, L., CaraDonna, P., et al. (+140 authors), **Lozada-Gobilard, et al.** and R. Tropek.. Climate-driven specialization in plant–pollinator networks peaks outside the tropics. *Submitted to Nature Ecology and Evolution*.
- Lozada-Gobilard, S.**, Bar-Lev Y., Paraskevopoulou, S., Bar-Lev Y., Lenhard, M. and Y. Sapir. Transcriptomic insights into flower size variation in *Iris atropurpurea* (Royal iris section *Oncocyclus*, Iridaceae). *In preparation for BMC Genomics*.
- Lozada-Gobilard, S.**, Santana P. and Ø.H. Opedal. Conditional evolvability of animal pollinated plants. *In preparation for Biology Letters*.

Science communication

- Lozada-Gobilard, S.**, Once textos sobre la pandemia: La biología detrás de la pandemia. The biology behind the pandemia. 2022. *Cuaderno de Investigación* 20 (A) IEB (Instituto de Estudios Bolivianos) Universidad Mayor de San Andrés UMSA (Text in Spanish, abstract in English). <https://scholar.google.com/scholar?oi=bibs&cluster=17733091077373985409&btnI=1&hl=en>
- Lozada-Gobilard, S.**, Antenita and the Black Iris. Children Book. Author and illustrator. Editor of the collection (Three stories for children). Published by COST Action CA18201: An integrated approach to conservation of threatened plants for the 21st Century and University of Primorska, Slovenia. <https://www.hippocampus.si/ISBN/978-961-293-262-6.pdf>

TEACHING ACTIVITIES

- 2025 Seminar and Field course on pollination for Terrestrial Ecology (EXTA02) Lund University. Seminar and Conservation genetics for Conservation Biology (BIOR83) Lund University. Course organization Population Community (BIOR69) Lund University, Sweden.
- 2024 Instructor of Pre-Congress Course on Transcriptomics and Analysis of Gene expression (19-20 August). Universidad Mayor de San Andrés, La Paz, Bolivia.
- 2023 Co-organizer of the practical course: Plant-Animal interactions, organized by Dr. Carlos Pinto from Universidad San Francisco Xavier, Sucre, Bolivia.
- 2021 Teaching Assistant of the course: Pollination biology, Tel Aviv University, Israel.
- 2020 Teaching and design of two sessions for high school students about Biodiversity, Evolution and Ecology (1) and Climate change in the Anthropocene (2). UMSA, La Paz Bolivia.
- 2018 Teaching Assistant of the course: Evolution of Fish, University of Potsdam, Germany.
- 2010 Teaching Assistant of the subject BIO 205: Cellular and Molecular Biology for the semester II/2010. Biology Career, Universidad Mayor de San Andrés. La Paz, Bolivia.
 Teaching Assistant of the subject FQB 145: Biochemistry for the semester I/2010. Biology Career, Universidad Mayor de San Andrés. La Paz, Bolivia.

SUPERVISION

- Ongoing Mateo Burke (Master student). Universidad Mayor de San Andrés, Bolivia.
 Valeska de Cardenas (Bachelor student). Universidad Mayor de San Andrés, Bolivia.
 Pamela Peñaloza (Bachelor student). Universidad Mayor de San Andrés, Bolivia.
- 2025 Emilia Larsson (Bachelor student, defense 5 June 2025). Lund University, Sweden.
- 2023-2025 Francisco Maldonado (Bachelor student, defense 11 July 2025). Universidad Mayor de San Andrés, Bolivia.
- 2022 Nadine Nielsen (Bachelor student). Tel Aviv University, Israel.
- 2021 Allyson Motter (Bachelor, intern student). Tel Aviv University, Israel.
- 2017-2021 Marco Donat (Master student, defense 14 Dec 2018). University of Potsdam, Germany.

CAREER BREAKS

- Maternity leave** Dec 2022- Jun 2023 (100%).
Maternity leave Aug 2025- Mar 2026 (100%).