

Personal Data

Date and place of Birth March 15th, 1978, Corrientes – Argentina
 Nationality Argentina
 Address Ruta Nacional 226 km 72, Balcarce, CP 7620.
 E-mail: lopezmendez.alicia@inta.gob.ar, alicialopez@mdp.edu.ar
 Phone: 54 – 02266 – 439100 int. 572
https://www.researchgate.net/profile/Alicia_Lopez2
<https://orcid.org/0000-0003-2655-993X>

Current positions

- 2019- Assistant Professor. Agricultural Botanical Chair. Faculty of Agricultural Sciences, National University of Mar del Plata.
- 2018- Curator of the BAL Herbarium - Balcarce Integrated Unit (EEA Balcarce, INTA - Faculty of Agricultural Sciences, National University of Mar del Plata)
- 2018 - Assistant Researcher. CONICET Workplace: Faculty of Agricultural Sciences, National University of Mar del Plata. Topic: The genus *Oxalis* (*Oxalidaceae*) in South America: an approach to their knowledge using morphological, cytogenetic and molecular techniques. Director: Dr. Fernando Andrade.

Education

- 2013- Master Program. Public Policy and Management of Science and Technology. Universidad de Buenos Aires – Buenos Aires, Argentina
- 2005-2009 PhD. Biological Sciences. Universidad de Buenos Aires – Buenos Aires, Argentina
 Advisors: Dra. Lidia Poggio. Ing. Agr. Aveliano Fernández.
 Thesis: Genomic Affinities and Phylogenetic Relationships in *Turnera ulmifolia* complex (*Turnera*, Turneraceae).
- 1996-2002 B.S. in Zoology, Universidad Nacional del Nordeste – Corrientes, Argentina
 Mention of Honor, Class 2002.
- 1996-2002 Biology Teacher, Universidad Nacional del Nordeste – Corrientes, Argentina

Languages

English. TOEFL exam. Portuguese: intermediate. German: beginner. Native Spanish speaker.

Research Positions

- 2018 - Assistant Researcher. CONICET Workplace: Faculty of Agricultural Sciences, National University of Mar del Plata. Topic: The genus *Oxalis* (*Oxalidaceae*) in South America: an approach to their knowledge using morphological, cytogenetic and molecular techniques. Director: Dr. Fernando Andrade.
- 2013-2017 Researcher (Assistant category). CONICET. Instituto de Botánica Darwinion (SI). Topic: *Oxalis*, subgenus *Oxalis* (*Oxalidaceae*) in South America: an approach to its knowledge using morphological, cytogenetic, and molecular techniques.
- 2011-2013 Postdoctoral position. Instituto de Botánica Darwinion (SI). Topic: the genus *Oxalis* (*Oxalidaceae*) in austral South America: characterization of the subgen. *Oxalis* Sect. *Palmatifoliae* using cytogenetic, morphologic, and molecular techniques.
- 2009-2011 Postdoctoral position. Instituto de Botánica Darwinion (SI). Topic: Studies in evolution of the genus *Axonopus* (Paniceae: Poaceae): a molecular phylogeny using molecular markers from chloroplast and nucleus.
- 2008 Foreign International Student. Molecular phylogeny of the *Turnera* complex using cpDNA under the supervision of Dr. JSH Shore, York University, Toronto, Ontario, Canada.
- 2005-2009 PhD Student. Universidad de Buenos Aires. Topic: Genomic Affinities and Phylogenetic Relationships in *Turnera ulmifolia* complex (*Turnera*, Turneraceae).
- 2000-2001 Undergraduate Student. Universidad Nacional del Nordeste. Topic: Radiation fluxes in the Natural Environment.

Teaching Experience

- 2019- cont. Professor. “Agricultural Botany”. Universidad Nacional de Mar del Plata. Agronomic Sciences Faculty.

2017-2017	Teacher Assistant. "General Biology". Universidad Nacional de Hurlingham. Buenos Aires.
2003-2006	<u>Teacher Assistant.</u> "Genetics". Universidad Nacional del Nordeste. Corrientes.
2001-2002	<u>Lab assistant.</u> "General and Cellular Biology" Universidad Nacional del Nordeste. Corrientes.
1999-2001	<u>Lab assistant.</u> "Biological Physics" Universidad Nacional del Nordeste. Corrientes.

Fellowships and Awards

2017	<u>Elizabeth E. Bascom Fellowship</u> . Missouri Botanical Garden. July-August 2017.
2014	<u>Post-doctoral Fellow CONICET/Fulbright</u> . "Diversification of Oxalis: an approach using molecular and cytogenetic data". Host: Dr. Eve Emshwiller. Department of Botany, College of Letters and Science, University of Wisconsin, Madison. August - October
2013-2014	<u>Training Programs on Human Resources Policy and Management of Science, Technology and Innovation</u> . Program of Human Resources in Politics and Management in Science and Technology and Innovation. Ministry of Science, Technology and Productive Innovation.
2011-2013	<u>Post-doctoral fellow</u> . CONICET (Consejo Nacional de Investigaciones Científicas y Tecnológicas). Topic: the genus <i>Oxalis</i> (oxalidaceae) in austral South America: characterization of the subgen. <i>Oxalis</i> Sect. <i>Palmatifoliae</i> using cytogenetic, morphologic, and molecular techniques
2009-2011	<u>Post-doctoral fellow</u> . ANPCyT (Agencia Nacional de Promoción Científica y Tecnológica). Topic: Studies in evolution of the genus <i>Axonopus</i> (Paniceae: Poaceae): a molecular phylogeny using molecular markers from chloroplast and nucleus.
2008	<u>Grants for Graduate Students' Exchange Program (GSEP) 2007</u> . Foreign and International Trade Canada. Realization of the molecular phylogeny of the <i>Turnera</i> complex using cpDNA under the supervision of Dr. JSH Shore, York University, Toronto, Ontario, Canada.
2005-2009	<u>PhD fellow</u> . CONICET (National Council of Research in Science and Technology) Topic: Genomic relationships in <i>Turnera</i> genus using classic and molecular cytogenetic techniques (FISH – GISH).
2003-2005	<u>Scholarship for new researchers</u> . Universidad Nacional del Nordeste. Topic: Genomic relationships in <i>Turnera</i> genus using classic and molecular cytogenetic techniques (FISH – GISH).
2000-2001	<u>Undergraduate scholarship</u> . Universidad Nacional del Nordeste. Topic: Radiation fluxes in the Natural Environment.

Grants

2014-2019	PIP-112 20130100124CO Phylogeny, historical biogeography and variability of the macroecological niche along the Andes mountain range in two case studies: <i>Oxalis</i> section <i>Alpinae</i> (Oxalidaceae) and the Clade Schizopetaleae-Eudemae-Cremolobeae (SEC) (Brassicaceae). \$ 133,000
2014-2018	PICT-2013-0291 <i>Oxalis</i> sección <i>Palmatifoliae</i> DC.: estudios citogenéticos, filogenéticos y modelado de nicho. \$ 80.000. 2014 – 2016. Investigador responsable.
2014-2017	Responsible researcher: Dr. Diego Salariato. In action.
2013	National Geographic Society Foundation Grant N°9398 – 13. Biogeographic studies of the vascular flora of the Southern Andes. USD 21.000. 2014 – 2016. Director: Fernando Omar Zuloaga.
2011	IAPT Research Grants Program in Plant Systematics 2011. Systematic and evolutionary studies in <i>Lupinus</i> (Fabaceae) from Argentina. USD 1.000. Investigador responsable.

Manuscripts published

1. López, A. & A. B. Sassone. The uses of herbaria in botanical research. A review based on evidence from Argentine. *Frontiers of Plant Sciences* 10:1363. doi: 10.3389/fpls.2019.01363
2. Morello S.; Sassone, A. B. & A. López. 2018. Morphological variation of *Oxalis* section *Alpinae* (Oxalidaceae) leaflets: an approach using outline analyses. *Perspectives in Plant Ecology, Evolution and Systematics* 35: 22–30.
3. Bonasora, M. G.; López, A.; Vaio, M. Speranza, P. R.; Honfi A. I. & Rua G. H. 2018. Origins of the polyploidy in *Paspalum stellatum* and related species (Poaceae, Panicoideae, Paspaleae) inferred from phylogenetic and cytogenetic analyses. *Botanical Journal of the Linnean Society* 188 (1): 21–33

4. López, A. 2018. Nuevos sinónimos en el género *Oxalis* L. (Oxalidaceae) de Argentina. Bol. Soc. Argent. Bot. 53 (1): 99-102. 2018
5. López, A., A. B. Sassone & P. Fiaschi. 2018. Lectotypifications in *Oxalis* (Oxalidaceae) for the Flora of Argentina. Phytotaxa 343 (2): 189–193.
6. Sassone, A. B.; A. López, D. H. Hosjgaard & L.G. Giussani. 2017. DNA content in Tribe *Leucocoryneae* (Amaryllidaceae). Journal of Plant Research. DOI 10.1007/s10265-017-0987-4
7. López, A. & M. G. Bonasora. 2017. Phylogeography, genetic diversity and population structure in a Patagonian endemic plant. AoB Plants. <https://doi.org/10.1093/aobpla/plx017>
8. López, A. & S. Rosenfeldt. 2016. *Oxalis* section *Alpinae* (Oxalidaceae): orbicules diversity and pollen grain morphology. Turkish Journal of Botany 40: 637–644. doi:10.3906/bot-1603-23
9. Urtubey, E.; A. López; M. A. Chemisquy; C. M. Baeza; N. D. Bayón; G. L. Nesom; M. H. Alford; L. P. Deble, L. Salomón & S. E. Freire. 2016. Molecular phylogeny of *Gamochaeta* and relative genera (Asteraceae: Inuleae: Gnaphaliinae). Plant Systematics and Evolution 302:1047-1066.
10. López, A. & S. Rosenfeldt. 2015. *Oxalis* secc. *Palmatifoliae* (Oxalidaceae): morfología de los granos de polen y diversidad de las orbículas. Bol. Soc. Argent. Bot. 50(3): 349-352.
11. López, A.; Panseri, A. F.; Urtubey, E. 2013. Revision of genus *Oxalis* L. section *Palmatifoliae* (Oxalidaceae). Phytotaxa 138 (1): 1–14.
12. López, A.; Fernández A. & J. S. H. 2013. Shore. Phylogeny of subseries *Turnera* (*Turnera*, Passifloraceae) inferred from sequences of chloroplast ndhF and trnT/L regions. Botany 91: 167-175.
13. López, A. & O. Morrone. 2012. Phylogenetic Studies in *Axonopus* (Poaceae, Panicoideae, Paniceae) and Related Genera: Morphology and Molecular (Nuclear and Plastid) Combined Analyses. Systematic Botany 37 (3): 671-676.
14. López, A. & M. E. Múlgura. 2011. A new species of *Oxalis* section *Palmatifoliae* (Oxalidaceae) from southern Argentina. Phytotaxa 33: 41–45.
15. López, A.; Panseri A. F.; Fernández A. & L. Poggio. 2011. Nuclear DNA content in the *Turnera ulmifolia* complex (Subseries *Turnera*). Plant Systematic and Evolution 296: 225–230.
16. López, A.; Poggio, L. & A. Fernández. 2010. Genomic relationships between *Turnera orientalis* (Urb.) Arbo (6x) and *T. occidentalis* Arbo & Shore (6x) (Turneraceae, subseries *Turnera*). Annales Botanici Fennici 47: 471-476 ISSN 0003-3847 (print) ISSN 1797-2442 (online).
17. López, A.; Fernández A. & L. Poggio. 2010. Genomic affinities in the subseries *Turnera* (*Turnera*, Turneraceae) inferred by *In Situ* hybridization techniques. Genome 53 (8): 585-593 ISSN 1480-3321.

Book chapters

López, A. & O. Morrone. 2011. *Phalaris*. In Zuloaga, F.O., Anton, A.R. & Rúgolo de Agrasar, Z. (eds.), Gramineae, Flora Argentina. Vol 3, Tomo II, p. 278-282.

Oral and Poster Presentations in national and international meetings: more than 30.

Community Outreach Activities

- 2019 Participation in the “FCA Investiga” Conference. Organized by the Faculty of Cs. Agrarian, National University of Mar del Plata. Balcarce, Argentina. April 11.
- 2018 Participation in “Darwin Route” - Play Station, Scientific Culture Program, of the Government of the Buenos Aires Province. July and August. Tandil, Buenos Aires.
- 2016 Participation of the Biology Week. Faculty of Exact and Natural Sciences. University of Buenos Aires. August 5.
- 2015 Workshop: Science communication between scientists, journalists and politicians. López, A. & P. Tezanos. In the framework of “Argentina and Environment 2015 - II International Congress of Environmental Science and Technology - II National Congress of the Argentine Society of Environmental Science and Technology”. December 2.

Participation in Academic Societies: Society of Herbarium Curators – American Society of Plant Taxonomists – Sociedad Argentina de Botánica