

MANUEL A. LUJÁN ANZOLA

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Department of Botany 55 Music Concourse Drive Golden Gate Park
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EDUCATION

- Ph.D. Botany. Claremont Graduate University / Rancho Santa Ana Botanic Garden.
Advisor: Lucinda McDade Ph.D. July 2018
M.Sc. Neotropical Taxonomic Botany. Universidad de Los Andes, Venezuela. Advisor:
Ricarda Riina Ph.D. July 2012
B.S. Biology. Minor: Botany. Universidad de Los Andes, Venezuela. Advisor: Juan
Gaviria Ph.D. October 2009

PUBLICATIONS

- Luján, M.**, J. Aranda, A. Virgo & K. Winter. 2018. *Clusia guabalensis* (Clusiaceae) a new hemiepiphyte species with floral resins from the Atlantic wet forest in Panama. *Brittonia*. On line first: <https://doi.org/10.1007/s12228-018-9538-0>
Luján, M., A. Idárraga & B. Hammel. 2018. *Clusia hirsuta*, a new species of *Clusia* sect. *Retinostemon* and the first description of trichomes in the genus. *Novon* 26: 154–158
Tripp, E., & **M. Luján**. 2018. Venezuelan *Ruellia* (Acanthaceae): A Monograph. *Memoirs of the New York Botanical Garden* 119.
Luján, M. 2016. *Clusia scariosepala* (Maguire) Luján a distinct species of *Clusia* sect. *Anandroyne* endemic to the Venezuelan Andes. *Harvard Papers in Botany* 21: 137–140
Luján, M., Y. León & R. Riina. 2015. Synopsis of *Croton* (Euphorbiaceae) in the Andes of Mérida, Venezuela. *Caldasia* 37: 73–90
Luján, M., N. Gutiérrez & J. Gaviria Rincón. 2012. *Asystasia gangetica* (L.) T. Anders. subsp. *micrantha* (Nees) Ensermu (Acanthaceae), a new record for Venezuela. *Ernstia* 21: 131–137
Luján, M., N. Gutiérrez; J. Gaviria Rincón & A. Aranguren. 2011. Preliminary floristic study of Mérida city, state of Mérida, Venezuela. *Pittieria* 35: 35–61

GRANTS AND FELLOWSHIPS

- National Science Foundation Doctoral Dissertation Improvement Grant 2017 (\$17,301)
Smithsonian Tropical Research Institute. Short Term Fellowship 2016 (\$2,000)
Missouri Botanical Garden Alwyn H. Gentry Fellowship 2016 (\$2,500)
Garden Club of America Award in Tropical Botany 2016 (\$5,500)
Claremont Graduate University. Graduate Student Council Travel Award 2015 (\$300)

The Smithsonian Institution's Lyman B. & Ruth C. Smith Fellowship Award 2015 (\$2,500)
American Society of Plant Taxonomists Research Award 2015 (\$800)
Claremont Graduate University. Graduate Student Council Travel Award 2014 (\$300)
Rancho Santa Ana Botanic Garden research grants 2013–2018 (\$9,850)
Universidad de Los Andes. Graduate research grant 2012 (\$300)
Organization for Tropical Studies Fellowship. Tropical Plant Systematics 2009 (\$2,000)
FUNDACITE Mérida. International Travel Grant 2009 (\$500)
CDCHTA Universidad de Los Andes. Undergraduate Research Grant 2008 (\$200)

RESEARCH EXPERIENCE

Acanthaceae phylogenetic systematics. Field and herbarium work assistant. DNA extraction and sequencing of chloroplast and nuclear loci. Spectrometric analysis of floral pigments. PIs: Dr. Lucinda McDade, Dr. Erin Tripp. September 2014–January 2017

Passiflora subgenus *Decaloba* (Passifloraceae) phylogenetics. DNA extraction, cloning and sequencing of chloroplast and nuclear loci. PIs: Dr. Shawn Krosnick, Dr. Kristen Porter-Utley, Dr. Lucinda McDade. January–May 2014

Herbarium, Seed Conservation and Horticulture. Rancho Santa Ana Botanic Garden. Curatorship assistance at RSA-POM herbarium and seed collections; maintenance and database of RSABG living collections. September–December 2013

The Euphorbiaceae Virtual Herbarium Project. Center for Plant Diversity, University of California Davis. PI: Dr. Ellen Dean. Curatorship assistance at DAV Herbarium, Euphorbiaceae collection. July 2012

Sustainable cocoa growing in highly biodiverse environments. Jardín Botánico de Mérida, Sociedad de Cacaos Venezolanos & Valrhona Foundation. Floristic inventories in cocoa plantations and rainforest relicts. September 2010–2011

POSITIONS HELD

John J. Rose postdoctoral fellow in Botany. California Academy of Sciences. Population genetics and conservation of *Cycas*. Current.

Teaching assistant. Rancho Santa Ana Botanic Garden. Plant Morphology and Anatomy graduate course (BOT 305). January - May 2017

Teaching assistant. Rancho Santa Ana Botanic Garden. Summer Research Institute. July - August 2016

Instructor professor. Universidad Politécnica Territorial del Estado Mérida Kléber Ramírez. September 2011 - July 2013

Teaching assistant. Departamento de Biología, Facultad de Ciencias, Universidad de Los Andes. September 2005 - July 2006

HONORS

Best Contributed Paper: Tropical Biology Section. Botany 2017. Fort Worth, TX. June 2017

Certificate of Recognition: Outstanding Biology Major. November 2007

ORAL PRESENTATIONS

Luján M. & L. McDade. June 2017. Playing the taxonomic cupid, matching incomplete species of *Clusia* (Clusiaceae). Botany 2017. Fort Worth, TX

Luján M., Y. León & R. Riina. May 2013. Nuevos reportes del género *Croton* L. (Euphorbiaceae) para los Andes de Venezuela. XX Venezuelan Congress of Botany. San Cristóbal, Venezuela

Luján, M., G. Bustos, D. Castillo, H. Tajan, F. Santiago, M. Castro, L. Ojeda, N. Santos, & F. Ely. May 2011. Análisis florístico y fisionómico en un fragmento de bosque nublado – pajonal preparamero en Mérida, Venezuela. XIX Venezuelan Congress of Botany. Maracay, Venezuela

Luján M., N. Gutiérrez, J. Gavidia. May 2010. Análisis Florístico y Descripción de la Vegetación en el Ecosistema Urbano de la Ciudad de Mérida, Venezuela. I Venezuelan Biological Diversity Congress. Maracay, Venezuela

SERVICE

Graduate student representative to Rancho Santa Ana Botanic Garden, Editorial and Library Committee. September 2016 – present

Invited speaker. Rancho Santa Ana Botanic Garden Volunteer Enrichment Program. May 2017

Graduate student chair. Rancho Santa Ana Botanic Garden. September 2015 – July 2016.

Volunteer. 25th Graduate Student Symposium of California Botanical Society. April 2015.

Volunteer. Rancho Santa Ana Botanic Garden. Wild Flower Show (February 2015, April 2016); Garden with a View (May 2015); Fall Planting Festival (October 2014).

Student representative to the faculty council. Departamento de Biología, Facultad de Ciencias, Universidad de Los Andes, Venezuela. 2008–2009

COURSES AND WORKSHOPS

Summer Research Institute. Rancho Santa Ana Botanic Garden. USA. August 2012

Neotropical Epiphytic Microlichens. Instituto Botánico de Venezuela. June 2010

Plant Systematics. Organization for Tropical Studies. Costa Rica. June – July 2009

REVIEWER FOR SCHOLARLY JOURNALS

Journal of Pollination Ecology. Plant Systematics and Evolution. Novon.

SOCIETIES AND AFFILIATIONS

American Society of Plant Taxonomists. Botanical Society of America. Sociedad Botánica de Venezuela. Sociedad Latinoamericana de Botánica. Torrey Botanical Society. National Center for Science Education

LANGUAGES

Spanish (native), English (reading, writing, speaking)

OTHER ACTIVITIES

Fieldwork experience planning field expeditions (bold indicates fieldtrip participation by Luján): **Bolivia**, Brazil, **Colombia**, **Costa Rica**, **Ecuador**, **Mexico**, **Panama**, Peru, **Venezuela**, including collaboration with national collaborators for necessary permits
Laboratory skills: DNA extraction; PCR amplification; cloning; Sanger sequencing; library preparation for high-throughput sequencing (RADseq); microscope slide preparation including embedding, microtome sectioning, and staining; SEM imaging