Andrea Monserrath López Martínez
Universidad Nacional Autónoma de México
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EDUCATION

2019-. PhD. Biological Sciences. National Autonomous University of Mexico (UNAM)
Thesis: "Phylogenetic relationships of fossil flowers, and their relevance to the investigation of floral evolution". Supervisor: Dr. Susana Magallón

2015-2018. M.Sc. Biological Sciences. National Autonomous University of Mexico (UNAM)
Thesis: "Evolution of floral structure in early-diverging eudicots". Supervisor: Dr. Susana Magallón. Graduated with honors

2009-2015. B.Sc. Biology. University of Sonora. Hermosillo, Sonora, México
Thesis: "Phylogeography of *Bursera microphylla* (A. Gray), an endemic specie from the Sonoran Desert". Supervisor: Dr. Francisco Molina-Freaner. Graduated with honors

INTERESTS

Phylogenetic methods for studying macroevolutionary processes in plants.
Plant systematics, floral evolution, molecular clocks, drivers of diversification, fossil flowers.

RESEARCH EXPERIENCE

2013. Origin and Diversification of Mammilloid clade. National Institute of Ecology, A.C. Veracruz, México. Mexican Academy of Sciences. Advisor: Dr. Tania Hernández Hernández

2012. Phylogenetic position of the genus Bauhinia in Mexico. National Institute of Ecology, A. C. Veracruz, México. Interinstitutional Program for the Strengthening of Research and the Pacific Postgraduate Program. Advisor: Dr. Dolores Gonzalez Hernández

WORKSHOPS

2018. RevBayes workshop. Course by: Dr. Rosana Zenil-Ferguson

2017. Latin American Macroevolution Workshop: Phytools. Course co-taught by: Dr. Liam Revell, Dr. Luke Harmon and Dr. Ricardo Betancur

2017. Ancestral State Reconstruction using model-based methods. Course by: Dr. Hervé Saquet.

PARTICIPATION IN CONGRESSES

2019. López-Martínez, Andrea, Sauquet, Hervé and Magallón Susana. Evolution of the floral groundplan in the transition to Pentapetalae (eudicots, angiosperms) through total-evidence analysis of extant and fossil species. Botany 2019, Annual Conference of the Botanical Society of America. Tucson, Arizona, USA.

2019. López-Martínez, Andrea, Sauquet, Hervé and Magallón Susana. Evolution of the floral groundplan in the transition to Pentapetalae (eudicots, angiosperms) through total-evidence analysis of extant and fossil species. XX I Mexican Botanical Congress. Aguascalientes, México.

2018. López-Martínez, Andrea., Sauquet, Hervé and Magallón Susana. Revisiting the origin of the floral groundplan of Pentapetalae (eudicots, angiosperms) through total evidence analysis of extant and fossil species. Second Joint Conference on Evolutionary Biology, Montpellier, France

2016. López-Martínez, Andrea and Magallón, Susana. Phylogenetic relationships of fossils andextant taxa among early-diverging eudicots. XX Mexican Botanical Congress. México, DF. México.

2014. López-Martínez, Andrea and Molina-Freaner, Francisco. Phylogeography of Bursera microphylla (A. Gray), an endemic specie from the Sonoran Desert. IX International Symposium on wild Floras in Arid Zones. Hermosillo, Sonora, México.