

2016 Scientific publications authored by Fairchild scientists and students

Downing, J., H. Borrero, and H. Liu. 2016. Differential impacts from an extreme cold spell on subtropical vs. tropical specialist bees in southern Florida. *Ecosphere* 7: e01302.

Fadrique, B. and K. J. Feeley. 2016. Novel competitors shape species' responses to climate change. *Frontiers in Ecology and Evolution* 4: 33.

Feeley, K. J. 2016. Estimating the global conservation status of more than 15,000 Amazonian tree species. *Frontiers in Ecology and Evolution* 4: 59.

Fotinos, T. D., T. Clase, A. Veloz, F. Jimenez, M. P. Griffith, and E. J. B. Von Wettberg. 2016. A minimally invasive, automated procedure for DNA extraction from epidermal peels of succulent cacti (Cactaceae). *Haseltonia* 22: 46-47.

Hu, G., K. J. Feeley, and M. Yu. 2016. Habitat Fragmentation Drives Plant Community Assembly Processes across Life Stages. *PLoS One* 11: e0159572.

Idárraga, Á., Á. J. Duque-Montoya, and K. Feeley. 2016. Divergent drivers of tree community composition in lowland and highland forests of the northern tropical Andes, Colombia. *Actualidades Biológicas* 38: 145-156.

Jestrow, B., B. Peguero, F. Jiménez, W. Cinea, M. Hass, A. Reeve, A. W. Meerow, M. P. Griffith, M. Maunder, and J. Francisco-Ortega. 2016. Genetic diversity and differentiation of the critically endangered Hispaniolan palm *Coccothrinax jimenezii* M.M. Mejía & R.G. García based on novel SSR markers. *Biochemical Systematics and Ecology* 66: 216–223.

Korber, N., J. M. Nassar, J. Mosely, B. Jestrow, C. Lewis, and J. Francisco-Ortega. 2016. The last plant hunting expedition of David Fairchild: Venezuela and Colombia (March–April 1948). *Brittonia* 68: 170–186.

Machovina, B. L., K. J. Feeley, and B. J. Machovina. 2016. UAV remote sensing of spatial variation in banana production. *Crop and Pasture Science* 67: 1281-1287.

McElderry, R. M. 2016. Seasonal life history trade-offs in two leafwing butterflies: Delaying reproductive development increases life expectancy. *Journal of Insect Physiology* 87: 30-34.

Miller, J. S., P. P. Lowry II, J. Aronson, S. Blackmore, K. Havens, and J. Maschinski. 2016. Conserving biodiversity through ecological restoration: The potential contributions of botanical gardens and arboreta. *Candollea* 71: 91-98.

Moriuchi, K. S., M.L. Friesen, M. A. Cordeiro, M. Badri, W. T. Vu, B. J. Main, M. E. Aouani, S. V. Nuzhdin, S. Y. Strauss, and E. J. B. Von Wettberg. 2016. Salinity adaptation and the contribution of parental environmental effects in *Medicago truncatula*. *PLOS One* 11: e0150350.

Motes, M. 2016. The genus *Vanda* (Orchidaceae: Aeridinae) in the Philippines: two new species and a key to the species in the archipelago. *Lankesteriana* 16: 335-343.

Motes, M. L. M. Gardiner, and D. L. Roberts. 2016. The identity of spotted *Vanda denisoniana*. *Orchid Review* 124: 228-233.

Murphy, V., T. Clase, R. A. Rodríguez-Peña, F. Jiménez-Rodríguez, B. Jestrow, C. E. Husby, and M. P. Griffith. 2016. Conservation horticulture for yarey palm and buccaneer palm: Substrate and sowing depth affect germination and early seedling growth. *HortTechnology* 26: 811-815.

Oleas, N. A. W. Meerow, and J. Francisco-Ortega. 2016. Genetic structure of the threatened *Phaedranassa schizantha* (Amaryllidaceae). *Botanical Journal of the Linnean Society* 182: 169-179.

Perez, T. M., J. T. Stroud, and K. J. Feeley. 2016. Thermal trouble in the tropics. *Science* 351: 1392-1393.

Possley, J., S. Hodges, E. Magnagh, and J. Maschinski. 2016. Distribution of *Croton linearis* in Miami-Dade County Preserves with Potential for Supporting the Federally Endangered Butterflies *Strymon acis bartrami* and *Anaea troglodyta floridalis*. *Natural Areas Journal* 36:81-87.

Rehm, E. M. and J. J. Feeley. 2016. Seedling transplants reveal species-specific responses of high-elevation tropical treeline trees to climate change. *Oecologia* 181: 1233–1242.

Santiago-Valentín, E., B.J. Francois, G. Hall, L. Brouillet, and J. Francisco-Ortega. 2016. Images Floristiques Portoricaines: El diario del viaje a Puerto Rico del Hermano Marie-Victorin, 1942. *Revista del Jardín Botánico Nacional* 37: 121-143.

Stroud, J. and J. B. Losos. 2016. Ecological opportunity and adaptive radiation. *Annual Review of Ecology, Evolution, and Systematics* 47: 507-532.

Warschefsky, E. J., L. L. Klein, M. H. Frank, D. H. Chitwood, J. P. Londo, E J.B. von Wettberg, and A. J. Miller. 2016. Rootstocks: Diversity, domestication, and impacts on shoot phenotypes. *Trends in Plant Science* 21: 418–437.

Wendelberger, K. S. and J. Maschinski. 2016. Assessing microsite and regeneration niche preferences through experimental reintroduction of the rare plant *Tephrosia angustissima* var. *corallicola*. *Plant Ecology* 217: 155–167.

Weremijewicz, J., J. I. Almonte, V. S. Hilaire, F. D. Lopez, S. H. Lu, S. M. Marrero, C. M. Martinez, E. A. Zarate, A. K. Lam, S. A. N. Ferguson, N. Z. Petrakis, K. A. Peebles, E. D. Taylor, N. M. Leon, C. Valdes, M. Hass, A. B. Reeve, D. T. Palow, and J. L. Downing. 2016. Microsatellite Primers for Two Threatened Orchids in Florida: *Encyclia tampensis* and *Cyrtopodium punctatum* (Orchidaceae). *Applications in Plant Sciences* 4: 1500095.

Zona, S., K. Finch, T. Clase, and B. Jestrow. 2016. A synopsis of *Salvia* sect. *Gardoquiiflorae* (Lamiaceae), with a note on the origins of Caribbean *Salvia* species. *Phytotaxa* 255: 214-226.