KENNETH J FEELEY

The University of Miami
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EDUCATION

Ph.D. Biology, Duke University (2005)
* Committee: J Terborgh (chair), J Clark, B Morris, S Pimm, and M Silman
* Dissertation Title: *The effects of habitat fragmentation on tropical floral and faunal communities as mediated through trophic interactions.*

B.S. Biology, Wake Forest University (1998)
* Summa Cum Laude; Phi Beta Kappa

PROFESSIONAL APPOINTMENTS

Associate Professor, Department of Biology, The University of Miami (2017-present)
Smathers Chair of Tropical Tree Biology, The University of Miami (2017-present)
Director, The John C. Gifford Arboretum, The University of Miami (2022-present)
Research Associate, Fairchild Tropical Botanic Garden (2009-present)
Associate Professor, Department of Biological Sciences, Florida International University (2015-2017)
Assistant Professor, Department of Biological Sciences, Florida International University (2009-2015)
Postdoctoral Research Fellow, Andes Biodiversity and Ecosystem Research Group (2007-2009)
Postdoctoral Research Fellow, Center for Tropical Forest Science, Harvard University (2005-2007)

AWARDS and RECOGNITIONS

University of Miami Provost's Research Award (2019/20, 2022/23)
University of Miami Graduate School's award for "Faculty Mentor of the Year" (2019/20)
University of Miami Abess Center's Faculty Fellow (2019/20)
Fulbright International Research Scholar – Colombia (2016)
Florida International University College of Arts and Sciences' award for "Excellence in Research" (2016)
Florida International University Faculty Senate's award for "Excellence in Advising & Mentorship" (2016)
Florida International University award for "Top Scholar" (2015)
Florida International University Faculty Senate's award for "Excellence in Research" (2015)
National Geographic Explorer (2013-present)

PEER-REVIEWED PUBLICATIONS (total citations = 10,058; h-index = 51; i10-index = 99)
NOTE: Authors who were undergraduate or graduate students at the time that work was completed are underlined.

Published or In Press (60 since joining UM in 2017; 83 since promotion to Associate Professor in 2015)

142. **Feeley KJ** and Zuleta D. 2022. Changing forests under climate change. *Nature Plants*. In Press.

141. Bernal Escobar M, Zuleta D, and **Feeley KJ**. 2022. Changes in the climate suitability and growth rates of trees in eastern North America. *Ecography*. In Press.

140. Kullberg AT and **Feeley KJ**. 2022. Limited acclimation of leaf traits and leaf temperatures in a subtropical urban heat island. *Tree Physiology*. In Press.

139. Perez TM, Guevara J, Rivas Torres GF, and **Feeley KJ**. 2022. Climate constrains the leaf morphologies and photosynthetic strategies of Darwin's daisies. *The American Naturalist*. In Press.

138. Fadrique B, Bravo Avila CH, Baraloto C, and **Feeley KJ**. 2022. Bamboo climatic tolerances are decoupled from functional traits across an Andean elevation gradient. *Oikos*. In Press.

137. Tanner EVJ, Bellingham PJ, Healey JR, and **Feeley KJ**. 2022. Hurricane disturbance accelerated the thermophilization of a Jamaican montane forest. *Ecography*. In Press.

136. Baez S, Fadrique B, **Feeley KJ**, and Homeier J. 2022. Changes in tree functional composition across topographic gradients and through time in a tropical montane forest. *PLoS ONE*. 17(4) e06100.

135. Pitman NCA, White DM, Guevara Andino JE, Couvreur TLP, Fortier RP, Zapata N, Cornejo X, Clark JL, **Feeley KJ**, Johnston MK, Lozinguez A, and Rivas-Torres G. 2022. Rediscovery of *Gasteranthus extinctus* L. E. Skog & L. P. Kvist (Gesneriaceae) at multiple sites in western Ecuador. *PhytoKeys*. 194: 33-46.

134. Steur G, ter Steege H, Verburg RW, Sabatier D, Molino JF, Bánki OS, Castellanos H, Stropp J, Fonty É, Ruysschaert S, Galbraith D, Kalamandeen M, van Andel TR, Brienen R, Phillips OL, **Feeley KJ**, Terborgh J, and Verweij PA. 2022. Relationships between species richness and ecosystem services in Amazonian forests strongly influenced by biogeographical strata and forest types. *Scientific Reports*. 12: 5960.

133. Munoz M, **Feeley KJ**, Martin P, and Farallo V. 2022. The multidimensional (and contrasting) effects of environmental warming on a group of montane tropical lizards. *Functional Ecology*. 36(2): 419-431.

132. Perez TM, **Feeley KJ**, Michaletz ST, and Slot M. 2021. Letter: Methods matter for assessing global variation in plant thermal tolerance. *Proceedings of the National Academy of Sciences*. 118(30): e2024636118.

131. Duque A, Peña MA, Cuesta F, González-Caro S, Kennedy P, Phillips OL, Calderón-Loor M, Blundo C, Carilla J, Cayola L, Farfán-Ríos W, Fuentes A, Grau R, Homeier J, Loza-Rivera MI, Malhi Y, Malizia A, Malizia L, Martínez-Villa JA, Myers JA, Osinaga-Acosta O, Peralvo M, Pinto E, Saatchi S, Silman M, Tello JS, Terán-Valdez A, and **Feeley KJ**. 2021. Mature Andean forests as globally important carbon sinks and future carbon refuges. *Nature Communications*. 12: 2138-.

130. Freeman BG, Song Y., **Feeley KJ**, and Zhu K. 2021. Montane species track rising temperatures better in the tropics than in the temperate zone. *Ecology Letters*. 24: 1697–1708.

129. Griffiths AR, Silman MR, Farfan-Rios W, **Feeley KJ**, García Cabrera K, Meir P, Salinas N, Segovia RA, and Dexter KG. 2021. Evolutionary diversity peaks at mid-elevations along an Amazon-to-Andes elevation gradient. *Frontiers in Ecology and Evolution*. 9: 509-.

128. Tserej O and **Feeley KJ**. 2021. Variation in leaf temperatures of tropical and subtropical trees are related to leaf thermoregulatory traits and not geographic distributions. *Biotropica*. 53: 868-878.

127. Griffiths AR, Silman MR, Farfán Rios W, **Feeley KJ**, García Cabrera K, Meir P, Salinas N, and Dexter KG. 2021. Evolutionary heritage shapes tree distributions along an Amazon-to-Andes elevation gradient. *Biotropica*. 53: 38– 50.

126. Fadrique B, Gann D, Nelson BW, Saatchi S, and **Feeley KJ**. 2021. The influence of bamboo and the bamboo lifecycle on ecosystem dynamics of the Southwest Amazon. *Journal of Ecology*. 109: 860– 876.

125. Perez TM, Socha A, Tserej O, and **Feeley KJ.** 2021. Photosystem II heat tolerances characterize thermal generalists and the upper limit of carbon assimilation. *Plant, Cell & Environment*. 44: 2321–2330.

124. Perez TM and **Feeley KJ**. 2021. Weak phylogenetic and climatic constraints on plant heat tolerances. *Journal of Biogeography*. 48: 91– 100.

123. Tito R**,** Vasconcelos HL, and **Feeley KJ**. 2021. Multi-population seedling and soil transplants show possible responses of a common tropical montane tree species (*Weinmannia bangii*) to climate change. *Journal of Ecology*. 109: 62– 73.

122. Fadrique B, Santos P, Farfan-Rios W, Salinas N, Silman M, and **Feeley KJ**. 2021. Reduced tree density and basal area in Andean forests are associated with bamboo dominance. *Forest Ecology and Management*. 480: 118648.

121. **Feeley KJ**, Bravo C, Fadrique B, Perez T, and Zuleta D. 2020. Climate-driven changes in the composition of New World plant communities. *Nature Climate Change*. 10: 965–970.

120. Perez TM and **Feeley KJ**. 2020. Photosynthetic heat tolerances and extreme leaf temperatures. *Functional Ecology*. 34(11): 2236-2245.

119. Gonzalez-Caro S, Duque A, **Feeley KJ**, Cabrera E, Phillips J, Ramirez S, and Yepes A. 2020. Biomass stocks in tropical Andes can increase with elevation due to contributions from temperate-affiliated species. *Ecology*. 101(10): e03131.

118. Malizia A, Blundo C, Carilla J, Osinaga Acosta O, Cuesta F, Duque A, Aguirre N, Aguirre Z, Ataroff M, Baez S, Calderón-Loor M, Cayola L Cayuela L, Ceballos S, Cedillo H, Farfán Ríos W, **Feeley KJ**, Fuentes AF, Gámez Álvarez LE, Grau R, Homeier J, Jadan O, Llambi LD, Loza Rivera MI, Macía MJ, Malhi Y, Malizia L, Peralvo M, Pinto E, Tello S, Silman M, and Young K. 2020. Elevation and latitude drives structure and tree species composition in Andean forests: results from a large-scale plot network. *PLOS One*. 15(4): e0231553.

117. ter Steege, H. and 50+ coauthors including **Feeley KJ**. 2020. Biased-corrected richness estimates for the Amazonian tree flora. *Scientific Reports* 10: 10130

116. **Feeley KJ**, Martinez-Villa J, Perez T, Silva-Duque A, Trivino-Gonzalez D, and Duque A. 2020. The thermal tolerances, distributions, and performances of tropical montane tree species. *Frontiers in Forests and Global Change*. 3: 25.

115. Tito R, Vasconcelos HL, and **Feeley KJ.** 2020. Mountain ecosystems as natural laboratories for climate change experiments *Frontiers in Forests and Global Change*. 3: 38.

114. Terborgh J, Huanca Nuñez N, **Feeley KJ**, and Beck H. 2020. Gaps present a trade-off between dispersal and establishment that nourishes species diversity. *Ecology*. 101(5): e02996.

113. Fadrique B, Veldman JW, Dalling JW, Clark LG, Montti L, Ruiz-Sanchez E, Rother DC, Ely F, Farfan-Ríos W, Gagnon P, Prada C, Camargo-García JC, Saha S, Veblen TT, Londoño X, **Feeley KJ**, and Rockwell C. 2020. Guidelines for including bamboos in tropical ecosystem monitoring. *Biotropica.* 52(3): 427-443.

112. Agudelo CM, Benavides AM, Taylor T, **Feeley KJ**, and Duque A. 2019. Functional composition of epiphyte communities in the Colombian Andes. *Ecology*. 100(12): e02858.

111. Zhai L, Zhang X, **Feeley KJ**, Zhang J, Wang GG, and Zhang B. 2019. Ecological contingencies in species shifts: downslope shifts of woody species under warming climate and land-use change. *Environmental Research Letters*. 14(11): 114033.

110. Fadrique B, Machado Pianissola E, **Feeley KJ**, and Clark, LG. 2019. A preliminary revision of Chusquea sect. Swallenochloa (Bambuseae, Bambusoideae, Poaceae) in Peru including the description of two new species and the resurrection of two other species. *Phytotaxa.* 418(2): 171-194.

109. ter Steege H and 50+ coauthors including **Feeley KJ**. 2019. Rarity of monodominance in hyperdiverse Amazonian forests. *Scientific Reports*. 9(1): 1-15.

108. Taylor TC, Smith MN, Slot M, and **Feeley KJ**. 2019. The capacity to emit isoprene differentiates the photosynthetic temperature responses of tropical plant species. *Plant, Cell & Environment.* 42: 2448-2457.

107. Ramerez S, Gonzalez-Caro S, Phillips J, **Feeley KJ**, and Duque A. 2019. The influence of historical dispersal on the phylogenetic structure of tree communities in the tropical Andes. *Biotropica*. 51: 500-508.

106. Stroud JT, Giery ST, Outerbridge M, and **Feeley KJ.** 2019. Ecological character displacement alters the outcome of priority effects during community assembly. *Ecology*. 100(8):e02727.

105. Anderson RP and 50+ coauthors including **Feeley KJ**. 2019. Open access solutions for biodiversity journals: Do not replace one problem with another. *Diversity and Distributions*. 25(1): 5-8.

104. Oleas N, **Feeley KJ**, Fajardo J, Meerow A, Gebelein J, and Ortega J. 2019. Muddy boots beget wisdom: a cautionary tale for plant species distribution models. *Diversity*. 11(1): 10-.

103. Fadrique B, Báez S, Duque A, Malizia A, Blundo C, Carilla J, Osinaga-Acosta O, Malizia L, Silman M, Farfán-Ríos W, Malhi Y, Young KR, Cuesta F, Homeier J, Peralvo M, Pinto E, Jadan O, Aguirre N, Aguirre Z, and **Feeley KJ**. 2018. Widespread but heterogeneous responses of Andean forests to climate change. *Nature.* 564 (7735), 207-.

102. Perez TM, Valverde O, Bravo C, Taylor TC, Fadrique B, Hogan JA, Pardo CJ, Stroud JT, Baraloto C, and **Feeley KJ**. 2018. Botanic gardens are an untapped resource for studying the functional ecology of tropical plants. *Philosophical Transactions of the Royal Society B: Biological Sciences*. 374(1763), 20170390.

101. Peña MA, **Feeley KJ**, and Duque A. 2018. Effects of endogenous and exogenous processes on aboveground biomass stocks and dynamics in Andean forests. *Plant Ecology*. 219(12), 1481-1492.

100. Stroud JT and **Feeley KJ**. 2018. Where on Earth are the "tropics"? *Frontiers of Biogeography*. 10: 1-2.

99. Salazar A, Sánchez-Andrade A, Villegas J, Salazar-Villegas J, Ruiz-Carrascal D, Sitch S, Poveda G, **Feeley KJ**, Mercado L, Arias P, Sierra C, Uribe M, Pérez J, Rendón A, Murray-Tortarolo G, Mercado-Bettín D, Posada-Marín J, Zhuang Q, and Dukes J. 2018. The ecology of peace: Preparing Colombia for new political and planetary climates. *Frontiers in Ecology and the Environment*. 16(9), 525-531.

98. Perez TM and **Feeley KJ**. 2018. Increasing humidity threatens tropical forests. *Frontiers in Ecology and Evolution*. 6: 68.

97. O'Connell CS, Carlson KM, Cuadra S, **Feeley KJ**, Gerber JS, West PC, and Polasky S. 2018. Balancing tradeoffs: Reconciling multiple environmental goals when ecosystem services vary regionally. *Environmental Research Letters*. 13(6): 064008.

96. Slik F and 50+ coauthors including **Feeley KJ**. 2018. A phylogenetic classification of the world's tropical forests. *Proceedings of the National Academy of Sciences USA*. 115(8): 1837-1842.

95. Gomez VF and 50+ coauthors including **Feeley KJ**. 2018. Species distribution modelling: contrasting presence-only models with plot abundance data. *Scientific Reports*. 8(1): 1003.

94. Tito R, Vasconcelos HL, and **Feeley KJ**. 2018. Global climate change increases risk of crop failure and food insecurity in the tropical Andes. *Global Change Biology*. 24(2), pp.e592-e602.

93. **Feeley KJ.** 2018. Using herbarium collections and plot data to track the effects of climate change on tropical forests. *Proceedings of the Royal Danish Academy of Sciences* (*Scientia Danica. Series B, Biologica*). 6: 213-222.

92. McMichael CH, **Feeley KJ**, Dick CW, Piperno DR, Bush MB. 2017. Technical Comment on: Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. *Science*. 358(6361): eaan8347.

91. Katabuchi M, Wright SJ, Swenson NG, **Feeley KJ**, Condit R, Hubbell SP, and Davies SJ. 2017. Contrasting outcomes of species-level and community-level analyses of the temporal consistency of functional composition. *Ecology*. 98: 2273–2280.

90. Machovina BL and **Feeley KJ.** 2017. Potential global energy and biofuel yields from converted pastures. *Science of the Total Environment*. 609: 205-214.

89. **Feeley KJ.** 2017. The extinction risks and conservation statuses of most national plants are unknown. *Bioscience*. 67: 782-783.

88. Stroud JT and **Feeley KJ.** 2017. Neglect of the tropics is widespread in ecology. *Trends in Ecology and Evolution*. 32: 626-628.

87. Cárdenas D, González-Caro S; Duivenvoorden J, **Feeley KJ**, and Duque A. 2017. Asymmetrical niche determinism across geological units shapes phylogenetic tree communities in the Colombian Amazonia. *Perspectives in Plant Ecology, Evolution and Systematics.* 28: 1-9.

86. Mathez-Stiefel SL, Peralvo M, Báez S, Rist S, Buytaert W, Cuesta F, Fadrique B, **Feeley KJ**, Groth A, Homeier J, Llambi LD, Locatelli B, López Sandoval MF, Maliza A, and Young KR. 2017. Research priorities for the conservation and sustainable governance of Andean forest landscapes. *Mountain Research and Development.* 37: 323-339.

85. McMichael CH, Matthew-Bird F, Farfan W, and **Feeley KJ**. 2017. Ancient human disturbances may be skewing our understanding of Amazonian forests. *Proceedings of the National Academy of Sciences USA.* 114: 522–527.

84. **Feeley KJ**, Stroud JT, and Perez TM. 2017. Most "global" reviews of species' responses to climate change aren't truly global. *Diversity and Distributions.* 23: 231-234.

83. Machovina BL, **Feeley KJ**, and Machovina BJ. 2017. UAV remote sensing of spatial variation in banana production. *Crop & Pasture Science.* 67: 1281-1287.

----- *KJF joined the UM faculty on 01/01/2017* -----

82. Idarragad A, Duque A, and **Feeley KJ**. 2016. Divergent drivers of tree community composition in lowland and highland forests of the northern tropical Andes, Colombia. *Actualidades Biológicas* 38: 145-156.

81. Fadrique B and **Feeley KJ**. 2016. Commentary: Novel competitors shape species´ responses to climate change. *Frontiers in Ecology and Evolution* 4:33.

80. **Feeley KJ** and Silman M. 2016. Disappearing climates may limit the efficacy of Amazonian protected areas in a warming world. *Diversity and Distributions.* 22(11): 1081-1084.

79. **Feeley KJ**, Silman M, and Duque A. 2016. **COVER:** Where are the tropical plants? A call for better inclusion of tropical plants in studies investigating and predicting the impacts of climate change. *Frontiers of Biogeography*. 7(4). fb_27602.

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

77. Hu G, **Feeley KJ**, and Yu M. 2016. Habitat Fragmentation drives plant community assembly processes across life stages. PLoS ONE 11(7): e0159572.

76. Machovina B and **Feeley KJ**. 2016. Eating plants to save them. Pages 184-190 in *Botanists of the twenty-first century: roles, challenges and opportunities (Eds.* Rakotoarisoa NR., Blackmore S, and Riera B). UNESCO Publishing. Paris, France.

75. Perez TM, Stroud JT, and **Feeley KJ.** 2016. Perspective: Thermal trouble in the tropics. *Science.* 351: 1392-1393.

74. Rehm, EM and **Feeley KJ**. 2016. Seedling transplants reveal species-specific responses of high-elevation tropical treeline trees to climate change. *Oecologia.* 181(4): 1233-1242.

73. Rehm EM and **Feeley KJ.** 2016. Many species risk mountain top extinction long before they reach the top. *Frontiers of Biogeography*. 8(1). fb_27788.

72. Duque A, Stephenson P, and **Feeley KJ**. 2015. Thermophilization of adult and juvenile tree communities in the northern tropical Andes. *Proceedings of the National Academy of Sciences USA*. 112(34): 10744–10749.

71. **Feeley KJ** and Rehm EM. 2015. Correspondence: The downward shift of montane grasslands exemplifies the dual threat of human disturbances to cloud forest biodiversity. *Proceedings of the National Academy of Sciences USA*. 112 (45): E6085.

70. Rehm EM, Olivas P, Stroud J and **Feeley KJ.** 2015. Losing your edge: climate change and the conservation value of range-edge populations. *Ecology and Evolution*. 5(19): 4315–4326.

69. Machovina BL, **Feeley KJ**, and Ripple W. 2015. Biodiversity conservation: the key is reducing meat consumption. *Science of the Total Environment*. 536: 419–431.

68. Báez S, Malizia A, Carilla J, Blundo C, Aguilar M, Aguirre M, Aquirre Z, Álvarez E, Cuesta F, Duque A, Farfán-Ríos W, García-Cabrera K, Grau R, Homier, Linares-Palomino R, Malizia LR, Cruz OM, Osinaga O, Phillips OL, Reynel C, Silman MR, and **Feeley KJ**. 2015. Large-scale patterns of turnover and basal area change in Andean forests. PLoS ONE 10:e0126594.

67. Ding Z, **Feeley KJ**, Hu H, and Ding P. 2015. Bird guild loss and its determinants on subtropical land-bridge islands, China. *Avian Research*. 6: 1-9.

66. **Feeley KJ**. 2015. Are we filling the data void? An assessment of the amount and extent of plant collection records and census data available for tropical South America. *PLoS ONE*. 10:e0125629.

65. **Feeley KJ**. 2015. **COVER**: Moving forward with species distributions. *American Journal of Botany*. 102: 173-175.

64. Rehm EM and **Feeley KJ**. 2015. Freezing temperatures limit forest recruitment above tropical Andean treelines. *Ecology*. 96: 1856–1865.

63. Rehm, EM and **Feeley KJ**. 2015. The inability of tropical cloud forest species to invade grasslands above treeline during climate change: potential explanations and consequences. *Ecography*. 38: 1167-1175.

62. Slik F. and 100+ coauthors including **Feeley KJ**. 2015. An estimate of the number of tropical tree species. *Proceedings of the National Academy of Sciences USA*. 112: 7472-7477.

61. Stroud JT and **Feeley KJ**. 2015. A downside of diversity? A response to Gallagher et al. *Trends in Ecology and Evolution*. 30: 296–297.

60. Stroud JT and **Feeley KJ.** 2015. Responsible academia: Optimizing conference locations to minimize greenhouse gas emissions. *Ecography*. 38: 402–404.

----- *KJF promoted to Associate Professor in 2015* -----

59. Girardin CAJ, Malhi Y, **Feeley KJ**, Rapp JM, Silman MR, Meir P, Huaraca Huasco W, Salinas N, Mamani M, Silva-Espejo JE, García Cabrera K, Farfan Rios W, Metcalfe DB, Doughty CE and

Aragão LEOC. 2014. Seasonality of above-ground net primary productivity along an Andean altitudinal transect in Peru. *Journal of Tropical Ecology*. 30(6): 503-519.

58. Stroud J, Rehm E, Ladd M, Olivas P, and **Feeley KJ.** 2014. Is conservation research money being spent wisely? Changing trends in conservation research priorities. *Journal of Nature Conservation*. 22(5): 471-473.

57. **Feeley KJ**, Rehm E, and Stroud J. 2014. There are many barriers to species migrations. *Frontiers of Biogeography*. 6(2): fb_22006 4 pages.

56. Machovina, B and **Feeley KJ.** 2014. Meat consumption as a key impact on tropical nature: a response to Laurance et al. *Trends in Ecology and Evolution.* 29(8): 430–431.

55. Oleas NH, Meerow AW, **Feeley KJ**, Gebelein J, and Francisco-Ortega J. 2014. Using species distribution models as a tool to discover new records of *Phaedranassa brevifolia* Meerow, 1987 (Liliopsida: Amaryllidaceae) in Northern Ecuador. *Check List.* 10(3):689-691.

54. Duque A, **Feeley KJ**, Cabrera E, Callejas R, and Idarraga A. 2014. The dangers of carbon-centric conservation for biodiversity: a case study in the Andes. *Tropical Conservation Science.* 7(2): 178-193.

53. **Feeley KJ** and Rehm E. 2014. Correspondence: Priorities for conservation corridors. *Nature Climate Change.* 4: 405-406.

52. Girardin CAJ., Farfan W, Garcia K, **Feeley KJ**, Jørgensen PM, Araujo Murakami A, Cayola Pérez L, Renate S, Narel P, Fuentes Carlos A, Maldonado C, Silman M, Salinas N, Reynel C, Neill D, Serrano M, Caballero J, La Torre-Cuadros MA, Macía M, Killeen T, and Malhi Y. 2014. Spatial patterns of above-ground structure, biomass and composition in a network of six Andean elevation transects. *Plant Ecology and Diversity* 7(1): 161-171.

51. **Feeley KJ** and Machovina B. 2014. Correspondence: Increasing preference for beef magnifies human impact on world's food web. *Proceedings of the National Academy of Sciences USA.* 111, E794-E794.

50. Machovina B and **Feeley KJ.** 2014. Correspondence: Livestock: limit red meat consumption. *Nature* 508: 186.

49. Machovina B and **Feeley KJ.** 2014. Correspondence: Taking a bite out of biodiversity. *Science.* 343(6173): 838.

48. **Feeley KJ.**, Hurtado J, Saatchi S, Silman MR, and Clark DB 2013. Compositional shifts in Costa Rican forests due to climate-driven species migrations. *Global Change Biology*. 19: 3472-2480.

47. Machovina B and **Feeley KJ.** 2013. Climate change driven shifts in the extent and location of areas suitable for export banana production. *Ecological Economics*. 95: 85-93

46. ter Steege H and 100+ coauthors including **Feeley KJ.** 2013. Hyper-dominance in the Amazonian tree flora. *Science.* 342: 325-334.

45. Ding Z, **Feeley KJ**, Wang S, Wang Y, and Ding P. 2013. Patterns of bird functional diversity on land-bridge island fragments. *Journal of Animal Ecology*. 82: 781-790.

44. Rehm EM and **Feeley KJ.** 2013. Forest patches and the upward migration of timberline in the southern Peruvian Andes. *Forest Ecology and Management*. 305: 204-211.

43. **Feeley KJ.** 2012. Distributional migrations, expansions, and contractions of tropical plant species as revealed in dated herbarium records. *Global Change Biology*. 18: 1335-1341.

42. **Feeley KJ,** Malhi Y, Zelazowski P, and Silman M. 2012. The relative importance of deforestation, precipitation change, and temperature sensitivity in determining the future distributions and diversity of Amazonian plant species. *Global Change Biology*. 18: 2636-2647.

41. **Feeley KJ** and Rehm E. 2012. Amazon's vulnerability to climate change heightened by deforestation and man-made dispersal barriers. *Global Change Biology*. 18: 3606-3614.

40. **Feeley KJ,** Rehm EM., and Machovina B. 2012. **COVER**: The responses of tropical forest species to global climate change: acclimate, adapt, migrate, or go extinct? *Frontiers in Biogeography*. 4:69-82.

39. Hu G, Xu X, Wang Y, Lu G, **Feeley KJ,** and Yu M. 2012. Regeneration of different plant functional types in a Masson pine forest following pine wilt disease. *PLoS ONE*. 7: e36432.

38. Hu G, Wu J, **Feeley KJ**, Xu G, and Yu M. 2012. The effects of landscape variables on the species-area relationship during late-stage habitat fragmentation. *PLoS ONE*. 7: e43894.

37. Yu M, Y, Hu G, **Feeley KJ,** Wu J, and Ding P. 2012. Richness and composition of plants and birds on land-bridge islands: effects of island attributes and differential responses of species functional groups. *Journal of Biogeography*. 39: 1124-1133.

36. **Feeley KJ,** Davies SJ, Perez P, Hubbell S, and Foster R. 2011. **COVER**: Directional changes in the species composition of a tropical forest. *Ecology*. 92: 871-82.

35. **Feeley KJ** and Silman MR. 2011. **COVER**: Keep collecting: accurate species distribution modeling requires more collections than previously thought due to temporally autocorrelated collection biases. *Diversity and Distributions*. 17: 1132-1140.

34. **Feeley KJ** and Silman MR. 2011. The data void in modeling current and future distributions of tropical species. *Global Change Biology*. 17: 626-630.

33. **Feeley KJ**, Silman MR, Bush M, Farfan W, Garcia Cabrera K, Malhi Y, Meir P, Salinas Revilla N, Raurau Quisiyupanqui MN, and Saatchi S. 2011. Upward migration of Andean trees. *Journal of Biogeography*. 38: 783-791.

32. Hu G, **Feeley KJ,** Wu J, Xu G, and Yu M. 2011. Determinants of plant species richness and nestedness in fragmented landscapes: evidence from land-bridge islands. *Landscape Ecology*. 26: 1405-1417.

31. Maness TJ, Westbrock MA, **Feeley KJ**, and Anderson DJ. 2011. Offspring sex does not influence duration of post-fledging parental care in the sexually size dimorphic Nazca Booby (*Sula granti*). *Ornitologia Neotropical* 22: 347–359.

30. **Feeley KJ.** 2010. Correspondence: The conservation value of secondary forests for tropical nocturnal bird species. *Animal Conservation* 13: 16-18.

29. **Feeley KJ** and Silman MR. 2010. Land-use and climate change effects on population size and extinction risk of Andean plants. *Global Change Biology* 16: 3215-3222.

28. **Feeley KJ** and Silman MR. 2010. Biotic attrition from tropical forests correcting for truncated temperature niches. *Global Change Biology* 16: 1830-1836.

27. Girardin CAJ, Malhi Y, Aragao LEOC, Mamani M, Huaraca W, Durand L, **Feeley KJ,** Rapp J, Silva-Espejo JE, Silman M, Salinas N, and Whittaker RJ. 2010 Net primary productivity allocation and cycling of carbon along a tropical forest elevational transect in the Peruvian Andes. *Global Change Biology* 16: 3176-3192.

26. Li P, Ding P, **Feeley KJ,** Zhang J, and Jiang P. 2010. Patterns of species diversity and functional diversity of breeding birds in Hangzhou across an urbanization gradient. *Chinese Birds* 1:1–8.

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23. Farfan W and **Feeley KJ**. 2009. Deforestacion y el mercado de carbono en los bosques tropicales. *Xilema* 26: 11-16.

22. **Feeley KJ** and Silman MR. 2009. Extinction risks of Amazonian plant species. *Proceedings of the National Academy of Sciences* 106, 12382-12387.

21. **Feeley KJ** and Silman MR. 2009. Modelling Andean and Amazonian plant species responses to climate change: the effects of geo-referencing errors and the importance of data filtering. *Journal of Biogeography* 37: 733-740.

20. **Feeley KJ.** 2009. "Relaxation [sensu the process of species loss from islands or fragments]" *in* Encyclopedia of Islands (R. Gillespie and D. Clague, eds.). University of California Press. Pp 787-788.

19. Wang Y, Zhang J, **Feeley KJ**, Jiang P, and Ding P. 2009. Life-history traits associated with fragmentation vulnerability of lizards in the Thousand Island Lake, China. *Animal Conservation* 12: 329-337.

18. Zimmermann M, Meir P, Silman MR, Fedders A, Gibbon A, Malhi Y, Urrego D, Bush M, **Feeley KJ**, Garcia K, Dargie G, Farfan W, Goetz B, Johnson W, Kline K, Modi A, Rurau N, Staudt B, and Zamora F. 2009. No Differences in soil carbon stocks across the tree line in the Peruvian Andes. *Ecosystems* 13: 62-74.

17. Chave J, Condit R, Muller-Landau HC, Thomas SC, Ashton PS, Bunyavejchewin S, Co LL, Dattaraja HS, Davies SJ, Esufali S, Ewango CEN, **Feeley KJ**, Foster RB, Gunatilleke N, Gunatilleke S, Hall P, Hart TB, Hernandez C, Hubbell SP, Itoh A, Kiratiprayoon S, LaFrankie JV, Loo de Lao S, Makana J-R, Noor MNS, Kassim AR, Samper C, Sukumar R, Suresh HS, Tan S, Thompson J, Tongco MDC, Valencia R, Vallejo M, Villa G, Yamakura T, Zimmerman JK, and Losos EC. (2008) Assessing evidence for a pervasive alteration in tropical tree communities. *PLoS Biology* 6: e45.

16. **Feeley KJ** and Silman MR. 2008. Correspondence: Unrealistic assumptions invalidate extinction estimates. *Proceedings of the National Academy of Sciences USA* 106: e121.

15. **Feeley KJ** and Terborgh JW. 2008 Direct vs. indirect effects of habitat reduction on the loss of avian species from tropical forest fragments. *Animal Conservation* 11: 353-360.

14. **Feeley KJ** and Terborgh JW. 2008 Correspondence: Trophic drivers of species loss from fragments. *Animal Conservation* 11: 366-368.

13. Terborgh JW and **Feeley KJ.** 2008. "Ecosystem decay in closed forest fragments" *in* Tropical Forest Community Ecology (WP Carson and SA Schnitzer, eds.). Blackwell Publishing. pp 308-321.

12. **Feeley KJ**, Wright SJ, Davies S, Noor MNS, and Kassim AR. 2007. Decelerating growth in tropical forest trees. *Ecology Letters* 10: 461-469.

11. **Feeley KJ**, Davies SJ, Ashton PS, Bunyavejchewin S, Noor MNS, Kassim AR, Tan S, and Chave J. 2007. The role of gap-phase processes in the biomass dynamics of tropical forests. *Proceedings of the Royal Society of London B*. 274: 2857-2864.

10. **Feeley KJ**, Gillespie TW, Lebbin DJ, and Hart HS. 2007 Species characteristics associated with extinction vulnerability and nestedness rankings of birds in tropical forest fragments. *Animal Conservation* 10: 493-501.

9. **Feeley KJ**, Davies S, Noor MNS, Kassim AR, and Tan S. 2007. Do current stem size distributions predict future population changes? An empirical test of intraspecific patterns in tropical trees across two spatial scales. *Journal of Tropical Ecology* 23: 191-198.

8. **Feeley KJ** and Terborgh JW. 2006 Habitat fragmentation and the effects of herbivore (red howler monkey) abundances on bird diversity. *Ecology* 87: 144-150.

7. Ibanez I, Clark J, Dietze MC, **Feeley KJ**, Hersh M, LaDeau S, McBride A, Welch NE, and Wolosin MS. 2006. Predicting biodiversity change: outside the climate envelope, beyond the species-area curve. *Ecology* 87: 1896-1906.

6. Terborgh JW, **Feeley KJ,** Nuñez P, Balukjian B, and Silman MR. 2006. Vegetation dynamics of predator-free land-bridge islands. *Journal of Ecology* 94: 253-263.

5. **Feeley KJ.** 2005. The role of clumped defecation in the spatial distribution of nutrients and the availability of nutrients for plant uptake. *Journal of Tropical Ecology* 21: 99-102.

4. **Feeley KJ** and Terborgh JW. 2005. The effects of herbivore density on soil nutrients and tree growth in tropical forest fragments. *Ecology* 86: 116-124.

3. **Feeley KJ**, Gillespie TG, and Terborgh JW. 2005. The utility of spectral indices from Landsat ETM+ for measuring the structure and composition of tropical dry forests. *Biotropica* 37: 508-519.

2. **Feeley KJ.** 2004. The effects of forest fragmentation and increased edge exposure on leaf litter accumulation. *Journal of Tropical Ecology* 20: 709-714.

1. **Feeley KJ.** 2003. Analysis of the avian communities of Lake Guri, Venezuela, using multiple assembly rule models. *Oecologia* 137: 104-113.

PROFESSIONAL PRESENTATIONS

Conference Presentations (as presenting author)

* **Invited speaker**: Congreso Mexciano de Ecología, Oaxaca (2022)
* **Plenary speaker**: National Symposium of Forests in Colombia, Medellin (2016)
* **Plenary speaker**: International meeting on "Biodiversity and Conservation of the Tropical Andes and the Amazon Rainforest" Peru (2015)
* **Plenary speaker**: International Symposium on "Tropical Plant Collections: Legacies from the past? Essential tools for the future?" Denmark (2015)
* **Plenary speaker**: Science Symposium of the Global Biodiversity and Information Facility, GBIF (2013)
* **Plenary speaker**: Coloquio Estudiantil, Instituto de Ecología, México (INECOL) (2011)
* **Plenary speaker**: The International Biogeography Society's Early Career Conference (2011)
* Annual Meeting of the International Biogeography Society (2011, '13, '19)
* Annual Meeting of the Ecological Society of America (2001, '03, '05, '07, '10, '12, '16, '21)
* Annual Meeting of the Assoc. of Tropical Biology and Conservation (2002, '06, '08, '09, '13, '22)
* Meeting of the Andes Biodiversity and Ecosystems Research Group (2008, '09, '10, '12, '13, '15)
* Student Conference on Conservation Science (2005)

University Seminars

* University of Quebec, Biology Department (2022 [*scheduled*])
* Harvard University, Organismic and Evolutionary Biology, Plant Biology (2022)
* Biology Centre of Czech Republic, Prague CR (2021)
* Austin Peay State University (2021)
* Harvard University, Harvard University Herbaria (2019)
* Universidad Nacional de San Antonio Abad del Cusco, Perú (2018)
* University of Miami, Gifford Arboretum (2017)
* National University of Colombia (2017)
* University of the Andes, Colombia (2017)
* University of Miami, Department of Biology (2016)
* Archbold Biological Station (2016)
* Florida International University, QBIC "Confluence" seminar series (2014)
* Florida International University, Department of Biological Sciences (2014)
* University of Nebraska, Department of Biological Sciences (2014)
* Carnegie Institution for Science (at Stanford University), Department of Global Ecology (2014)
* University of Colorado at Boulder, Department of Geography (2014)
* North Carolina State University, Department of Biological Sciences (2014)
* Zhejiang University China, Department of Biology (2013)
* Smithsonian Tropical Research Institute, Center for Tropical Forest Science (2012)
* Smithsonian Tropical Research Institute, Tupper Seminar Series (2012)
* University of Minnesota, Department of Plant Sciences (2012)
* Florida Atlantic University, Department of Biology (2012)
* Universidad Nacional de San Antonio Abad del Cusco, Perú (2012)
* Servicio Nacional de Áreas Naturales Protegidas por el Estado, Perú (2012)
* Duke University, Nicholas School of the Environment (2011)
* University of Miami, Department of Biology (2010)
* University of Florida, Tropical Research and Education Center (2010)
* Florida International University, Environmental Studies Program (2010)
* Florida International University, Plant Talk Seminar Series (2010)
* Instituto Nacional de Recursos Naturales, Perú (2009)
* Florida International University, Department of Biology Marine Science Program (2009)
* Zhejiang University China, Department of Biology, 2x (2009)

* Fundación Instituto Botánico de Venezuela, 2x (2009)
* Florida International University, Department of Biology (2009)
* Portland State University, Department of Biology (2009)
* Harvard University, Department of Organismal and Evolutionary Biology (2008)
* University of California Davis, Department of Plant Sciences (2008)
* University of California San Diego, Department of Biology (2008)
* Florida Institute of Technology, Department of Biology (2008)
* Wake Forest University, Department of Biology (2007)
* Harvard University, Harvard University Herbarium (2007)
* SUNY Stony Brook, Department of Ecology and Evolutionary Biology (2006)
* University of California LA, Department of Ecology and Evolutionary Biology (2006)
* University of Rhode Island, Department of Biological Sciences (2006)
* Duke University, Department of Biology, Program in Ecology (2005)
* Wake Forest University, Department of Biology (2005)
* Harvard University, Arnold Arboretum (2004)
* Rice University, Department of Ecology and Evolutionary Biology (2004)

GRANTS and AWARDS

Pending

Collaborative Proposal: **A longitudinal study to test for the acclimation of individual trees to 4+ decades of climate change, and the consequences for tropical rainforests.**
Funding organization: NSF DEB
Award Amount: $650,000 to KJF; $850,000 total
Project Duration: 2023-2026
Role on grant: PI (lead institution: UM)

Collaborative Proposal: **Cascading disturbances in tropical forest: testing the impact of frugivore defaunation on resistance of tropical trees to drought-induced mortality.**
Funding organization: NSF DEB
Award Amount: $450,000 to KJF; $1,100,000 total
Project Duration: 2022-2026
Role on grant: collaborative PI (lead institution: UC Riverside)

Active

Collaborative Research: **A natural laboratory for studying biodiversity, ecosystem function, and responses to climate change from Amazonian lowlands to Andean treeline.**
Funding organization: NSF DEB LTREB
Award Amount: $110,000 to KJF including 2021/22 REPS supplement; $450,000 total
Project Duration: 2018-2023
Role on grant: collaborative PI (lead institution: WFU)

A dendrochronological and stable isotope assessment of a dominant tree species across the Big Cypress National Preserve landscape: the role of environmental variables and vulnerability in a changing climate.
Funding Organization: US National Park Service
Award Amount: $60,000
Project Duration: 2022-2023
Role on grant: Co-PI (PI C. Angelo, Big Cypress National Preserve)

A longitudinal study using historical and modern plant samples to test for acclimation of tropical trees to climate change.
Funding organization: University of Miami Provost Research Award
Award Amount: $17,500
Project Duration: 2022-2023
Role on grant: sole PI

Using the Boiling River as a window into the future of tropical rainforests
Funding organization: University of Miami Institute for the Americas (UMIA)
Award Amount: $5,100
Project Duration: 2022-2023
Role on grant: sole PI

Completed
CAREER: **Measuring the thermal tolerances of individuals, populations, and species and predicting plant species' responses to climate change in the tropical Andes.**
Funding organization: NSF DEB CAREER
Award Amount: $800,000
Project Duration: 2014-2020
Role on grant: sole PI

The long-term effects of climate change on tree growth and water use efficiency: a pilot study in South Florida.
Funding organization: University of Miami Provost Research Award
Award Amount: $17,000
Project Duration: 2019-2021
Role on grant: sole PI

Tracking the responses of tropical tree species to climate change in the Colombian and Peruvian Andes.
Funding organization: HELVETAS Swiss Inter-cooperation
Award Amount: $12,000
Project Duration: 2017-2018
Role on grant: sole PI

Hurricane Preparedness and Recovery of Living Plant Collections.
Funding organization: University of Miami
Award Amount: $10,000
Project Duration: 2017-2018
Role on grant: PI

Dissertation Research: **Asymmetric character displacement in evolutionary-novel Anolis lizards.**
Funding organization: NSF DEB DDIG
Award Amount: $16,000
Project Duration: 2017-2018
Role on grant: sole PI (awarded to support graduate student J. Stroud)

Collaborative Research: **Understanding range limits and plant migration in response to climate change in neotropical montane forests: moving from observational models to mechanisms.**
Funding organization: NSF DEB Population and Community Ecology Cluster

Award Amount: $160,000 to KJF; $380,000 total
Project Duration: 2013-2017
Role on grant: collaborative PI (lead institution: WFU)

Strengthening local capacity for prioritizing conservation research and action in the Colombian Andean-Amazon: A networked approach.
Funding organization: USAID HED Initiative for Conservation in the Andes/Amazon
Award Amount: $750,000
Project Duration: 2013-2015
Role on grant: Co-PI (PI: E Anderson, FIU)

Tropical rainforest ecology and conservation.
Funding organization: Fairchild Tropical Botanic Garden
Award Amount: $185,000
Project Duration: 2010-2015
Role on grant: sole PI

Will freezing tolerances determine the ability of tropical plant species to persist in the face of global warming?
Funding organization: Florida International University; International Center for Tropical Botany
Award Amount: $3,000
Project Duration: 2014
Role on grant: sole PI

Horizontal refugia and the effects of climate change on plant distributions in the Peruvian Andes.
Funding organization: National Geographic Society Committee for Research and Exploration
Award Amount: $22,400
Project Duration: 2012 & 2013
Role on grant: sole PI

The impacts of climate change on distributions of Andean tree species.
Funding organization: Amazon Conservation Association
Award Amount: $18,950
Project Duration: 2007 & 2008
Role on grant: sole PI

COURSES TAUGHT at UNIVERSITY OF MIAMI (taught on a rotating basis)

BIL160 - Evolution and Biodiversity (second semester of Introductory Biology) + PLTL workshops
BIL163 - Integrated Biology and Chemistry
BIL330 - Ecology
BIL430 - Tropical Ecology
BIL432 - Ecology and Evolution in the Galapagos Islands
BIL612 - Graduate Core Ecology and Evolution
BIL616 - Graduate Professional Skills
+ Independent Study and Research

ADDITIONAL TEACHING EXPERIENCE

Florida International University (FIU): *Ecology; Ecology Lab; Plant Conservation Biology; Advanced Plant Conservation Biology; Species Distribution Modeling Workshop*

Amazon Center for Environmental Education and Research (ACEER). *Introducción al Método Científica y Técnicas de Campo Para los Profesores de Ciencias* (taught in Spanish in Puerto Maldonado, Peru); 2015.

Pontificia Universidad Javeriana de la Compañía de Jesús and FIU: *Básicos de análisis y modelación de las distribuciones de especies* (taught in Spanish in Bogota, Colombia); 2014.

Universidad Nacional de Colombia and FIU: *Conservación de la Biodiversidad Amazónica: Áreas Protegidas e Influencias de Escala* (taught in Spanish in Leticia, Colombia); 2014.

Universidad de la Amazonia and FIU: *Diseño de Muestreo y Técnicas de Campo para la Conservación de la Biodiversidad de la Amazonía* (taught in Spanish in Florencia, Colombia); 2013.

Wake Forest University: *Conservation Biology* (included field component in Nicaragua); 2009.

Organization for Tropical Studies (OTS): *Ecosistemas Amazónicos y Cambios Globales* (in Spanish in Peru); 2008.

UNDERGRADUATE STUDENT MENTEES (UM)

Niloy B. Bhattacharyya (2022), Sam Clay (2022), Kirsten Santiago (2022), Christopher Elliot (2021, 2022), Laura Garriga Cerda (2021), Andrea Maria Rivera (2021), Lauren Coombs (2020, 2021), Som Saha (2020), Dudhat Miraj (2019), Annika Socha (2018, 2019), Julia Saltzman (2017).

GRADUATE STUDENT MENTEES

Current Doctoral Students

Christine Pardo – Matriculated Fall 2016; Expected completion in Summer 2022.
Dissertation Project: *To Be Determined (Invasive plant species)*

Olga Tserej – Matriculated Fall 2018; Expected completion in Spring 2023.
Dissertation Project: *To Be Determined (Plant thermal ecology)*

Manuel Bernal E. – Matriculated Fall 2018; Expected completion in Spring 2023.
Dissertation Project: *To Be Determined (Dendrology of tropical trees)*

Alyssa Kullberg – Matriculated Fall 2019; Expected completion in Spring 2024.
Dissertation Project: *To Be Determined (Thermal acclimation of tropical trees)*

Riley Fortier – Matriculated Fall 2020; Expected completion in Spring 2025.
Dissertation Project: *To Be Determined* (*Long-term successional dynamics of lowland rainforests*)

Lais Lautenschlager Rodrigues–Transferred to lab in Summer 2022, Expected completion in Spring 2025.
Dissertation Project: *To Be Determined* (*Effects of defaunation of tropical forest composition and dynamics*)

Jacqueline Ballantyne –Transferred to lab in Summer 2022, Expected completion in Spring 2026.
Dissertation Project: *To Be Determined* (*Primate-based seed dispersal*)

Lina Aragón – Matriculated Fall 2022; Expected completion in Spring 2026.
Dissertation Project: To Be Determined (Ecophysiology of tropical trees in extreme environments)

Past Doctoral and Masters Students

Catherine Bravo Avila – PhD; Completed Spring 2021. MSc (FIU); Completed Spring 2012.
Dissertation Project: *The role of drought in determining the current and future distributions of Andean plant species*

Belen Fadrique Jimenez– PhD; Completed Spring 2020.
Dissertation Project: *The functional ecology and climatic tolerances of neotropical bamboos*

Timothy Perez – PhD; Completed Fall 2019.
Dissertation Project: *Thermal ecology of neotropical woody plant species*

James Stroud – PhD (FIU); Completed Spring 2017.
Dissertation Project: *Testing adaptive radiation theory using introduced species of anolis lizards.*

Brian Machovina – PhD (FIU); Completed Spring 2015.
Dissertation Project: *Sustainability of tropical agricultural systems under climate change.*

Evan Rehm – PhD (FIU); Completed Spring 2015.
Dissertation Project: *Factors determining current and future treeline in the high tropical Andes Mountains.*

POSTDOCTORAL MENTEES

Dr. Tyeen Taylor, 2017-2019, Funded through NSF Postdoctoral Research Fellowships in Biology for "Interdisciplinary Research Using Biological Collections".

Dr. Richard Tito Leon, 2018-2019.

Dr. Rachel Hillyer, 2016-2017.

Dr. Paulo Olivas, 2014-2016, Funded through NSF Postdoctoral Research Fellowships in Biology for "Broadening Participation of Groups Underrepresented in Biology".

COMMITTEE MEMBERSHIP and UNIVERSITY SERVICE (UM)

* Member of the UM Biology Department's Diversity, Equity, and Inclusion Committee (2021-present)
* Member of the UM Biology Department's Faculty Mentoring Committee (2020-present)
* Biology Department representative on UM Faculty Senate (2019-present)
* Member UM Abess Center Faculty Advisory Board (2019-present)
* UM representative on Organization for Tropical Studies' Assembly of Delegates (2018-present)
* Member of the UM Gifford Arboretum Advisory Board (2017-2022)

* Internal Reviewer for assessment of UM RSMAS Graduate program (2020, 2022)
* Member of UM Provost's Committee for Research Reopening (2020/2021)
* Member UM Abess Center Graduate Admission Committee (2020, 2021)
* Co-Chair Biology Faculty Search Committee: Aresty Chair of Tropical Biology (2020/21)
* College of Arts and Sciences Reviewer for UM Provost Research Award (2019, 2020)
* University Reviewer for UM Provost Research Award (2020)
* Member of the selection committee for UM Barrett Prize for Best Dissertation (2020)
* Member of the selection committee for UM Maytag Graduate Fellowship (2017, 2018, 2019)
* Member of the UM Biology Department's Graduate Academic Affairs Committee (GAAC) (2018, 2019)
* Co-Chair Biology Faculty Search Committee: Ecology and Evolutionary Biology (2018/19)
* Organizer for UM Biology Department Seminar Series (2019)
* Member of the UM Collage of Arts and Sciences Strategic Planning Committee on "Investing in People/Talents" (2017/2018)

EDITORIAL SERVICE

Subject Editor for *Ecography* (2014-present)
Associate Editor for *Frontiers of Biogeography* (2019-present)
Editorial Advisory Board for *Global Change Biology* (2014-2019)
Associate Editor for *Diversity & Distributions* (2016-2018)
Manuscript Reviewer for many top journals
Proposal reviewer for NSF, NERC, and NASA. Panel reviewer for NSF's Climate Change Education Program Presidential Initiative Grants and for NSF's DEB Population and Community Ecology Program.