

Appendix A: Papers citing rgbif

References

- Aedo, Carlos, and Francisco Pando. 2017. “A Distribution and Taxonomic Reference Dataset of Geranium in the New World.” *Scientific Data* 4 (1). <https://doi.org/10.1038/sdata.2017.49>.
- Ahmad, Shahid, Li Yang, Tauheed Ullah Khan, Kunyuan Wanghe, Miaomiao Li, and Xiaofeng Luan. 2020. “Using an Ensemble Modelling Approach to Predict the Potential Distribution of Himalayan Gray Goral (Naemorhedus Goral Bedfordi) in Pakistan.” *Global Ecology and Conservation* 21 (March): e00845. <https://doi.org/10.1016/j.gecco.2019.e00845>.
- Alfsnes, Kristian, Hans Petter Leinaas, and Dag Olav Hessen. 2017. “Genome Size in Arthropods Different Roles of Phylogeny, Habitat and Life History in Insects and Crustaceans.” *Ecology and Evolution* 7 (15): 5939–47. <https://doi.org/10.1002/ece3.3163>.
- Alhajeri, Bader H., and Yoan Fourcade. 2019. “High Correlation Between Species-Level Environmental Data Estimates Extracted from IUCN Expert Range Maps and from GBIF Occurrence Data.” *Journal of Biogeography*, June. <https://doi.org/10.1111/jbi.13619>.
- Amano, Tatsuya, James D. L. Lamming, and William J. Sutherland. 2016. “Spatial Gaps in Global Biodiversity Information and the Role of Citizen Science.” *BioScience* 66 (5): 393–400. <https://doi.org/10.1093/biosci/biw022>.
- Arnaud, E., N. P. Castañeda-Álvarez, J. G. Cossi, D. T. F. Endresen, E. Jahanshiri, and Y. Vigouroux. 2016. “Final Report of the Task Group on Gbif Data Fitness for Use in Agrobiodiversity.” <https://www.duo.uio.no/handle/10852/50041>.
- “A Survey of E-Biodiversity: Concepts, Practices, and Challenges.” 2018. <https://arxiv.org/abs/1810.00224>.
- Bacci, Lucas F, Fabián A Michelangeli, and Renato Goldenberg. 2019. “Revisiting the Classification of Melastomataceae: Implications for Habit and Fruit Evolution.” *Botanical Journal of the Linnean Society* 190 (1): 1–24. <https://doi.org/10.1093/botlinnean/boz006>.
- Bach, R. 2016. “Observing the Change in Southeastern Species’ Habitat Areas Due to Climate Change.” Chicago. <https://smartech.gatech.edu/handle/1853/55385>.
- Balao, Francisco, Emiliano Trucchi, Thomas M. Wolfe, Bao-Hai Hao, Maria Teresa Lorenzo, Juliane Baar, Laura Sedman, et al. 2017. “Adaptive Sequence Evolution Is Driven by Biotic Stress in a Pair of Orchid Species (Dactylorhiza) with Distinct Ecological Optima.” *Molecular Ecology* 26 (14): 3649–62. <https://doi.org/10.1111/mec.14123>.
- Baliga, Vikram B, and Rita S Mehta. 2019. “Morphology, Ecology, and Biogeography of Independent Origins of Cleaning Behavior Around the World.” *Integrative and Comparative Biology* 59 (3): 625–37. <https://doi.org/10.1093/icb/icz030>.
- Bartomeus, Ignasi, Mia G. Park, Jason Gibbs, Bryan N. Danforth, Alan N. Lakso, and Rachael Winfree. 2013. “Biodiversity Ensures Plant-Pollinator Phenological Synchrony Against Climate Change.” Edited by Micky Eubanks. *Ecology Letters* 16 (11): 1331–8. <https://doi.org/10.1111/ele.12170>.
- Bartomeus, I., J. R. Stavert, D. Ward, and O. Aguado. 2018. “Historical Collections as a Tool for Assessing the Global Pollination Crisis.” *Philosophical Transactions of the Royal Society B: Biological Sciences* 374 (1763): 20170389. <https://doi.org/10.1098/rstb.2017.0389>.

- Barve, Vijay. 2014. “Discovering and Developing Primary Biodiversity Data from Social Networking Sites: A Novel Approach.” *Ecological Informatics* 24 (November): 194–99. <https://doi.org/10.1016/j.ecoinf.2014.08.008>.
- Bemmels, Jordan B., S. Joseph Wright, Nancy C. Garwood, Simon A. Queenborough, Renato Valencia, and Christopher W. Dick. 2018. “Filter-Dispersal Assembly of Lowland Neotropical Rainforests Across the Andes.” *Ecography* 41 (11): 1763–75. <https://doi.org/10.1111/ecog.03473>.
- Bentz, Christian, Dan Dediu, Annemarie Verkerk, and Gerhard Jäger. 2018. “The Evolution of Language Families Is Shaped by the Environment Beyond Neutral Drift.” *Nature Human Behaviour* 2 (11): 816–21. <https://doi.org/10.1038/s41562-018-0457-6>.
- Bone, Ruth E., J. Andrew C. Smith, Nils Arrigo, and Sven Buerki. 2015. “A Macro-Ecological Perspective on Crassulacean Acid Metabolism (CAM) Photosynthesis Evolution in Afro-Madagascan Drylands: Eulophiinae Orchids as a Case Study.” *New Phytologist* 208 (2): 469–81. <https://doi.org/10.1111/nph.13572>.
- Boria, Robert A., and Jessica L. Blois. 2018. “The Effect of Large Sample Sizes on Ecological Niche Models: Analysis Using a North American Rodent, *Peromyscus maniculatus*.” *Ecological Modelling* 386 (October): 83–88. <https://doi.org/10.1016/j.ecolmodel.2018.08.013>.
- Bosch, S. 2017. “Marine Species Distributions: From Data to Predictive Models.” (Doctoral dissertation, Ghent University. <http://www.vliz.be/imisdocs/publications/303185.pdf>).
- Butterfield, Bradley J., Stella M. Copeland, Seth M. Munson, Carla M. Roybal, and Troy E. Wood. 2016. “Prestoration: Using Species in Restoration That Will Persist Now and into the Future.” *Restoration Ecology* 25 (May): S155–S163. <https://doi.org/10.1111/rec.12381>.
- Butterfield, Bradley J., Camille A. Holmgren, R. Scott Anderson, and Julio L. Betancourt. 2019. “Life History Traits Predict Colonization and Extinction Lags of Desert Plant Species Since the Last Glacial Maximum.” *Ecology* 100 (10). <https://doi.org/10.1002/ecy.2817>.
- Cardoso, Domingos, Tiina Särkinen, Sara Alexander, André M. Amorim, Volker Bittrich, Marcela Celis, Douglas C. Daly, et al. 2017. “Amazon Plant Diversity Revealed by a Taxonomically Verified Species List.” *Proceedings of the National Academy of Sciences* 114 (40): 10695–10700. <https://doi.org/10.1073/pnas.1706756114>.
- Carvajal-Endara, Sofia, Andrew P. Hendry, Nancy C. Emery, and T. Jonathan Davies. 2017. “Habitat Filtering Not Dispersal Limitation Shapes Oceanic Island Floras: Species Assembly of the Galápagos Archipelago.” Edited by Helen Regan. *Ecology Letters* 20 (4): 495–504. <https://doi.org/10.1111/ele.12753>.
- Chalmandrier, Loïc, Camille Albouy, and Loïc Pellissier. 2017. “Species Pool Distributions Along Functional Trade-Offs Shape Plant Productivitydiversity Relationships.” *Scientific Reports* 7 (1). <https://doi.org/10.1038/s41598-017-15334-4>.
- Chamberlain, Scott A, and Carl Boettiger. 2017. “R Python, and Ruby Clients for GBIF Species Occurrence Data,” September. <https://doi.org/10.7287/peerj.preprints.3304v1>.
- Collins, Rupert A., Judith Bakker, Owen S. Wangensteen, Ana Z. Soto, Laura Corrigan, David W. Sims, Martin J. Genner, and Stefano Mariani. 2019. “Non-Specific Amplification Compromises Environmental DNA Metabarcoding with COI.” Edited by Douglas Yu. *Methods in Ecology and Evolution* 10 (11): 1985–2001. <https://doi.org/10.1111/2041-210x.13276>.
- Collins, Rupert A., Owen S. Wangensteen, Eoin J. O’Gorman, Stefano Mariani, David W. Sims, and Martin J. Genner. 2018. “Persistence of Environmental DNA in Marine Systems.” *Communications Biology* 1 (1). <https://doi.org/10.1038/s42003-018-0192-6>.
- Collins, Rupert, Emanuell Duarte Ribeiro, Valéria Nogueira Machado, Tomas Hrbek, and Izeni Farias. 2015. “A Preliminary Inventory of the Catfishes of the Lower Rio Nhamundá, Brazil (Ostariophysi, Siluriformes).” *Biodiversity Data Journal* 3 (April): e4162. <https://doi.org/10.3897/bdj.3.e4162>.

- Correia, Ricardo A., Alejandro Ruete, Juliana Stropp, Ana C. M. Malhado, Janisson W. dos Santos, Thainá Lessa, José A. Alves, and Richard J. Ladle. 2019. “Using Ignorance Scores to Explore Biodiversity Recording Effort for Multiple Taxa in the Caatinga.” *Ecological Indicators* 106 (November): 105539. <https://doi.org/10.1016/j.ecolind.2019.105539>.
- Curtis, Caroline A., and Bethany A. Bradley. 2016. “Plant Distribution Data Show Broader Climatic Limits Than Expert-Based Climatic Tolerance Estimates.” Edited by Daniel E. Naya. *PLOS ONE* 11 (11): e0166407. <https://doi.org/10.1371/journal.pone.0166407>.
- Dallas, Tad A., and Alan Hastings. 2018. “Habitat Suitability Estimated by Niche Models Is Largely Unrelated to Species Abundance.” *Global Ecology and Biogeography* 27 (12): 1448–56. <https://doi.org/10.1111/geb.12820>.
- D’Amen, M., and E. Azzurro. 2019. “Lessepsian Fish Invasion in Mediterranean Marine Protected Areas: A Risk Assessment Under Climate Change Scenarios.” Edited by Katherine Yates. *ICES Journal of Marine Science* 77 (1): 388–97. <https://doi.org/10.1093/icesjms/fsz207>.
- Daru, Barnabas H., Peter C. le Roux, Jeyanthi Gopalraj, Daniel S. Park, Ben G. Holt, and Michelle Greve. 2019. “Spatial Overlaps Between the Global Protected Areas Network and Terrestrial Hotspots of Evolutionary Diversity.” Edited by Erica Fleishman. *Global Ecology and Biogeography* 28 (6): 757–66. <https://doi.org/10.1111/geb.12888>.
- Davison, J., M. Moora, M. Opik, A. Adholeya, L. Ainsaar, A. Ba, S. Burla, et al. 2015. “Global Assessment of Arbuscular Mycorrhizal Fungus Diversity Reveals Very Low Endemism.” *Science* 349 (6251): 970–73. <https://doi.org/10.1126/science.aab1161>.
- Dellinger, Agnes S., Franz Essl, Diego Hojsgaard, Bernhard Kirchheimer, Simone Klatt, Wayne Dawson, Jan Pergl, et al. 2015. “Niche Dynamics of Alien Species Do Not Differ Among Sexual and Apomictic Flowering Plants.” *New Phytologist* 209 (3): 1313–23. <https://doi.org/10.1111/nph.13694>.
- Deus Vidal Júnior, João de, Anete Pereira de Souza, and Ingrid Koch. 2018. “Impacts of Landscape Composition, Marginality, and Climatic Stability on the Patterns of Endemism of Cerrado Woody Plants,” July. <https://doi.org/10.1101/362475>.
- Dillen, Mathias, Quentin Groom, Simon Chagnoux, Anton Güntsch, Alex Hardisty, Elspeth Haston, Laurence Livermore, et al. 2019. “A Benchmark Dataset of Herbarium Specimen Images with Label Data.” *Biodiversity Data Journal* 7 (February). <https://doi.org/10.3897/bdj.7.e31817>.
- Domingos, A. M. 2019. “Oportunidades E Desafios Em Macroecologia Marinha.” <https://repositorio.bc.ufg.br/tede/bitstream/tede/9530/5/Tese%20-%20Andr%C3%A9%20Menegotto%20Domingos%20-%202019.pdf>.
- Dreyer, Jaqueline Beatriz Brixner, Pedro Higuchi, and Ana Carolina Silva. 2019. “*Ligustrum Lucidum* W. T. Aiton (Broad-Leaf Privet) Demonstrates Climatic Niche Shifts During Global-Scale Invasion.” *Scientific Reports* 9 (1). <https://doi.org/10.1038/s41598-019-40531-8>.
- Drozd, Pavel, and Jan Šipoš. 2013. “R for All (I): Introduction to the New Age of Biological Analyses.” *Casopis Slezského Zemského Muzea (A)* 62 (1). <https://doi.org/10.2478/cszma-2013-0004>.
- Duffy, Grant A., Bernard W. T. Coetzee, Guillaume Latombe, Alexander H. Akerman, Melodie A. McGeoch, and Steven L. Chown. 2017. “Barriers to Globally Invasive Species Are Weakening Across the Antarctic.” Edited by Wilfried Thuiller. *Diversity and Distributions* 23 (9): 982–96. <https://doi.org/10.1111/ddi.12593>.
- Dullinger, Iwona, Johannes Wessely, Oliver Bossdorf, Wayne Dawson, Franz Essl, Andreas Gatttringer, Günther Klonner, et al. 2016. “Climate Change Will Increase the Naturalization Risk from Garden Plants in Europe.” *Global Ecology and Biogeography* 26 (1): 43–53. <https://doi.org/10.1111/geb.12512>.
- Ekroos, Johan, David Kleijn, Péter Batáry, Matthias Albrecht, András Báldi, Nico Blüthgen, Eva Knop, Anikó Kovács-Hostyánszki, and Henrik G. Smith. 2020. “High Land-Use Intensity in Grasslands Con-

- strains Wild Bee Species Richness in Europe.” *Biological Conservation* 241 (January): 108255. <https://doi.org/10.1016/j.biocon.2019.108255>.
- Esperon-Rodriguez, Manuel, Sally A. Power, Mark G. Tjoelker, Linda J. Beaumont, Hugh Burley, Dayenari Caballero-Rodriguez, and Paul D. Rymer. 2019. “Assessing the Vulnerability of Australia’s Urban Forests to Climate Extremes.” *PLANTS, PEOPLE, PLANET* 1 (4): 387–97. <https://doi.org/10.1002/ppp3.10064>.
- Feitosa, Yuri Oliveira, Maria Lúcia Absy, Edgardo Manuel Latrubesse, and José Cândido Stevaux. 2015. “Late Quaternary Vegetation Dynamics from Central Parts of the Madeira River in Brazil.” *Acta Botanica Brasílica* 29 (1): 120–28. <https://doi.org/10.1590/0102-33062014abb3711>.
- Flower, C. 2019. “Food Plant Biogeography of the Sonoran Desert.” (Doctoral dissertation, Arizona State University. <https://search.proquest.com/docview/2275500833>.
- Fric, Zdeněk Faltýnek, Michal Rindoš, and Martin Konvička. 2019. “Phenology Responses of Temperate Butterflies to Latitude Depend on Ecological Traits.” Edited by Regan Early. *Ecology Letters* 23 (1): 172–80. <https://doi.org/10.1111/ele.13419>.
- Gearty, William, Craig R. McClain, and Jonathan L. Payne. 2018. “Energetic Tradeoffs Control the Size Distribution of Aquatic Mammals.” *Proceedings of the National Academy of Sciences* 115 (16): 4194–9. <https://doi.org/10.1073/pnas.1712629115>.
- Gilles, Dauby, Rainer Zaiss, Anne Blach-Overgaard, Luís Catarino, Theo Damen, Vincent Deblauwe, Steven Dessein, et al. 2016. “RAINBIO: A Mega-Database of Tropical African Vascular Plants Distributions.” *PhytoKeys* 74 (November): 1–18. <https://doi.org/10.3897/phytokeys.74.9723>.
- Groom, Quentin, Lauren Weatherdon, and Ilse R. Geijzenborffer. 2016. “Is Citizen Science an Open Science in the Case of Biodiversity Observations?” Edited by Marc Cadotte. *Journal of Applied Ecology* 54 (2): 612–17. <https://doi.org/10.1111/1365-2664.12767>.
- Hanson, Jeffrey O., Richard A. Fuller, and Jonathan R. Rhodes. 2019. “Conventional Methods for Enhancing Connectivity in Conservation Planning Do Not Always Maintain Gene Flow.” Edited by Akira Mori. *Journal of Applied Ecology* 56 (4): 913–22. <https://doi.org/10.1111/1365-2664.13315>.
- Havinga, Ilan, Lars Hein, Mauricio Vega-Araya, and Antoine Languillaume. 2020. “Spatial Quantification to Examine the Effectiveness of Payments for Ecosystem Services: A Case Study of Costa Rica’s Pago de Servicios Ambientales.” *Ecological Indicators* 108 (January): 105766. <https://doi.org/10.1016/j.ecolind.2019.105766>.
- Hayden, B., M. L. D. Palomares, B. E. Smith, and J. H. Poelen. 2019. “Biological and Environmental Drivers of Trophic Ecology in Marine Fishes - a Global Perspective.” *Scientific Reports* 9 (1). <https://doi.org/10.1038/s41598-019-47618-2>.
- Hoban, Sean, Andria Dawson, John D. Robinson, Adam B. Smith, and Allan E. Strand. 2019. “Inference of Biogeographic History by Formally Integrating Distinct Lines of Evidence: Genetic, Environmental Niche and Fossil.” *Ecography* 42 (12): 1991–2011. <https://doi.org/10.1111/ecog.04327>.
- Inman, R. 2018. “Improving Species Distribution Models with Bias Correction and Geographically Weighted Regression: Tests of Virtual Species and Past and Present Distributions in North American Deserts.” (Doctoral dissertation, Arizona State University. <https://search.proquest.com/docview/2040502527>.
- Jaganathan, Ganesh K., and Sarah E. Dalrymple. 2019. “Internal Seed Structure of Alpine Plants and Extreme Cold Exposure.” *Data* 4 (3): 107. <https://doi.org/10.3390/data4030107>.
- Janssens, Steven B., Filip Vandeloos, Edmond De Langhe, Brecht Verstraete, Erik Smets, Ines Vandenhoeve, and Rony Swennen. 2016. “Evolutionary Dynamics and Biogeography of Musaceae Reveal a Correlation Between the Diversification of the Banana Family and the Geological and Climatic History of Southeast Asia.” *New Phytologist* 210 (4): 1453–65. <https://doi.org/10.1111/nph.13856>.

- Kadereit, Joachim W., Maximilian Lauterbach, Martha Kandziora, John Spillmann, and Reto Nyffeler. 2019. "Dual Colonization of European High-Altitude Areas from Asia by *Callianthemum* (Ranunculaceae)." *Plant Systematics and Evolution* 305 (6): 431–43. <https://doi.org/10.1007/s00606-019-01583-5>.
- Kong, Xiaoquan, Minyi Huang, and Renyan Duan. 2015. "SDMdata: A Web-Based Software Tool for Collecting Species Occurrence Records." Edited by Jonathan H. Badger. *PLOS ONE* 10 (6): e0128295. <https://doi.org/10.1371/journal.pone.0128295>.
- Ladwig, Laura M., Jennifer L. Chandler, Peter W. Guiden, and Jonathan J. Henn. 2019. "Extreme Winter Warm Event Causes Exceptionally Early Bud Break for Many Woody Species." *Ecosphere* 10 (1). <https://doi.org/10.1002/ecs2.2542>.
- Lee, Calvin K. F., David A. Keith, Emily Nicholson, and Nicholas J. Murray. 2019. "Redlistr: Tools for the IUCN Red Lists of Ecosystems and Threatened Species in R." *Ecography* 42 (5): 1050–5. <https://doi.org/10.1111/ecog.04143>.
- Lortie, Christopher J., A. Filazzola, R. Kelsey, Abigail K. Hart, and H. S. Butterfield. 2018. "Better Late Than Never: A Synthesis of Strategic Land Retirement and Restoration in California." *Ecosphere* 9 (8): e02367. <https://doi.org/10.1002/ecs2.2367>.
- López-Jurado, Javier, Enrique Mateos-Naranjo, and Francisco Balao. 2019. "Niche Divergence and Limits to Expansion in the High Polyploid *Dianthus Broteri* Complex." *New Phytologist* 222 (2): 1076–87. <https://doi.org/10.1111/nph.15663>.
- Lu, Mingzhen, and Lars O. Hedin. 2019. "Global Plantsymbiont Organization and Emergence of Biogeochemical Cycles Resolved by Evolution-Based Trait Modelling." *Nature Ecology & Evolution* 3 (2): 239–50. <https://doi.org/10.1038/s41559-018-0759-0>.
- Luca, Daniele De, Wiebe H. C. F. Kooistra, Diana Sarno, Chetan C. Gaonkar, and Roberta Piredda. 2019. "Global Distribution and Diversity of Chaetoceros (Bacillariophyta, Mediophyceae): Integration of Classical and Novel Strategies." *PeerJ* 7 (August): e7410. <https://doi.org/10.7717/peerj.7410>.
- Ludt, William B., Moisés A. Bernal, Erica Kenworthy, Eva Salas, and Prosanta Chakrabarty. 2019. "Genomic, Ecological, and Morphological Approaches to Investigating Species Limits: A Case Study in Modern Taxonomy from Tropical Eastern Pacific Surgeonfishes." *Ecology and Evolution* 9 (7): 4001–12. <https://doi.org/10.1002/ece3.5029>.
- Ludt, William B., Link Morgan, James Bishop, and Prosanta Chakrabarty. 2017. "A Quantitative and Statistical Biological Comparison of Three Semi-Enclosed Seas: The Red Sea, the Persian (Arabian) Gulf, and the Gulf of California." *Marine Biodiversity* 48 (4): 2119–24. <https://doi.org/10.1007/s12526-017-0740-1>.
- Lundgren, Marjorie R., and Pascal-Antoine Christin. 2016. "Despite Phylogenetic Effects, C3C4lineages Bridge the Ecological Gap to C4photosynthesis." *Journal of Experimental Botany* 68 (2): 241–54. <https://doi.org/10.1093/jxb/erw451>.
- Lusseau, D., and F. Mancini. 2018. "A Global Assessment of Tourism and Recreation Conservation Threats to Prioritise Interventions."
- Malhado, Ana C. M., Jose A. Oliveira-Neto, Juliana Stropp, Giovanni Strona, Livia C. P. Dias, Luciana B. Pinto, and Richard J. Ladle. 2015. "Climatological Correlates of Seed Size in Amazonian Forest Trees." Edited by Tohru Nakashizuka. *Journal of Vegetation Science* 26 (5): 956–63. <https://doi.org/10.1111/jvs.12301>.
- Mayer, Katharina, Emily Haeuser, Wayne Dawson, Franz Essl, Holger Kreft, Jan Pergl, Petr Pyšek, et al. 2017. "Naturalization of Ornamental Plant Species in Public Green Spaces and Private Gardens." *Biological Invasions* 19 (12): 3613–27. <https://doi.org/10.1007/s10530-017-1594-y>.
- McTavish, Emily Jane. 2019. "Linking Biodiversity Data Using Evolutionary History." *Biodiversity Information Science and Standards* 3 (June). <https://doi.org/10.3897/biss.3.36207>.

- Medina, Iliana. 2019. “The Role of the Environment in the Evolution of Nest Shape in Australian Passerines.” *Scientific Reports* 9 (1). <https://doi.org/10.1038/s41598-019-41948-x>.
- Menegotto, André, and Thiago F. Rangel. 2018. “Mapping Knowledge Gaps in Marine Diversity Reveals a Latitudinal Gradient of Missing Species Richness.” *Nature Communications* 9 (1). <https://doi.org/10.1038/s41467-018-07217-7>.
- Mienna, I. M. 2018. “Patterns and Drivers of Phylogenetic Diversity and Endemism in the Norwegian Vascular Flora.” https://brage.bibsys.no/xmlui/bitstream/handle/11250/2502355/17650_FULLTEXT.pdf?sequence=1.
- Miranda, Leonardo S., Vera L. Imperatriz-Fonseca, and Tereza C. Giannini. 2019. “Climate Change Impact on Ecosystem Functions Provided by Birds in Southeastern Amazonia.” Edited by François Rigal. *PLOS ONE* 14 (4): e0215229. <https://doi.org/10.1371/journal.pone.0215229>.
- Mittermeier, T. 2019. “A Season for All Things: Phenological Imprints in Wikipedia Usage and Their Relevance Toconservation.” *PLoS Biology*. https://research.birmingham.ac.uk/portal/files/58082037/pbio.3000146_1.pdf.
- Mounce, Ross, Paul Smith, and Samuel Brockington. 2017. “Ex Situ Conservation of Plant Diversity in the World’s Botanic Gardens.” *Nature Plants* 3 (10): 795–802. <https://doi.org/10.1038/s41477-017-0019-3>.
- Oliveira, Hernani de, Monik Oprea, and Raphael Dias. 2018. “Distributional Patterns and Ecological Determinants of Bat Occurrence Inside Caves: A Broad Scale Meta-Analysis.” *Diversity* 10 (3): 49. <https://doi.org/10.3390/d10030049>.
- Pender, Jocelyn E., Andrew L. Hipp, Marlene Hahn, John Kartesz, Misako Nishino, and Julian R. Starr. 2019. “How Sensitive Are Climatic Niche Inferences to Distribution Data Sampling? A Comparison of Biota of North America Program (BONAP) and Global Biodiversity Information Facility (GBIF) Datasets.” *Ecological Informatics* 54 (November): 100991. <https://doi.org/10.1016/j.ecoinf.2019.100991>.
- Pereira, Anieli G., Juliana Sterli, Filipe R. R. Moreira, and Carlos G. Schrago. 2017. “Multilocus Phylogeny and Statistical Biogeography Clarify the Evolutionary History of Major Lineages of Turtles.” *Molecular Phylogenetics and Evolution* 113 (August): 59–66. <https://doi.org/10.1016/j.ympev.2017.05.008>.
- Perre, Frederik Van de, Herwig Leirs, and Erik Verheyen. 2019. “Paleoclimate, Ecoregion Size, and Degree of Isolation Explain Regional Biodiversity Differences Among Terrestrial Vertebrates Within the Congo Basin.” *Belgian Journal of Zoology* 149 (1). <https://doi.org/10.26496/bjz.2019.28>.
- Piatscheck, F. 2019. “Past, Present and Future: Geographic and Temporal Variation in a Fig–Fig Wasp Mutualism.” <https://search.proquest.com/docview/2302689695>.
- Piñar, Guadalupe, Caroline Poyntner, Hakim Tafer, and Katja Sterflinger. 2019. “A Time Travel Story: Metagenomic Analyses Decipher the Unknown Geographical Shift and the Storage History of Possibly Smuggled Antique Marble Statues.” *Annals of Microbiology* 69 (10): 1001–21. <https://doi.org/10.1007/s13213-019-1446-3>.
- Rai, Keshav, Narayan Raj Bhattarai, Manu Vanaerschot, Hideo Imamura, Gebreyohans Gebru, Basudha Khanal, Suman Rijal, et al. 2017. “Single Locus Genotyping to Track Leishmania Donovanii in the Indian Subcontinent: Application in Nepal.” Edited by Alain Debrabant. *PLOS Neglected Tropical Diseases* 11 (3): e0005420. <https://doi.org/10.1371/journal.pntd.0005420>.
- Reis, V. S. 2019. “Uma Perspectiva Macroecológica Sobre O Risco de Extinção Em Mamíferos.” Thesis. <http://bit.ly/38mfmHG>.
- Rice, Anna, Petr Šmarda, Maria Novosolov, Michal Drori, Lior Glick, Niv Sabath, Shai Meiri, Jonathan Belmaker, and Itay Mayrose. 2019. “The Global Biogeography of Polyploid Plants.” *Nature Ecology & Evolution* 3 (2): 265–73. <https://doi.org/10.1038/s41559-018-0787-9>.
- Richardson, David M, Johannes J Le Roux, and John RU Wilson. 2015. “Australian Acacias as Invasive Species: Lessons to Be Learnt from Regions with Long Planting Histories.” *Southern Forests: A Journal*

- of *Forest Science* 77 (1): 31–39. <https://doi.org/10.2989/20702620.2014.999305>.
- Robertson, Mark P., Vernon Visser, and Cang Hui. 2016. “Biogeo: An R Package for Assessing and Improving Data Quality of Occurrence Record Datasets.” *Ecography* 39 (4): 394–401. <https://doi.org/10.1111/ecog.02118>.
- Ros-Candeira, Andrea, Antonio Jesús Pérez-Luque, María Suárez-Muñoz, Francisco Javier Bonet-García, José A. Hódar, Fernando Giménez de Azcárate, and Elena Ortega-Díaz. 2019. “Dataset of Occurrence and Incidence of Pine Processionary Moth in Andalusia, South Spain.” *ZooKeys* 852 (June): 125–36. <https://doi.org/10.3897/zookeys.852.28567>.
- Saad, Neil J., Victoria D. Lynch, Marina Antillón, Chongguang Yang, John A. Crump, and Virginia E. Pitzer. 2018. “Seasonal Dynamics of Typhoid and Paratyphoid Fever.” *Scientific Reports* 8 (1). <https://doi.org/10.1038/s41598-018-25234-w>.
- Sanyal, Anushree, and Guillaume Decocq. 2016. “Adaptive Evolution of Seed Oil Content in Angiosperms: Accounting for the Global Patterns of Seed Oils.” *BMC Evolutionary Biology* 16 (1). <https://doi.org/10.1186/s12862-016-0752-7>.
- Sanyal, Anushree, Jonathan Lenoir, Carmel O'Neill, Frederic Dubois, and Guillaume Decocq. 2018. “Intraspecific and Interspecific Adaptive Latitudinal Cline in Brassicaceae Seed Oil Traits.” *American Journal of Botany* 105 (1): 85–94. <https://doi.org/10.1002/ajb2.1014>.
- Sánchez-Tapia, Andrea, Mário L Garbin, Marínez F Siqueira, Karlo G Guidoni-Martins, Fabio R Scarano, and Tatiana T Carrijo. 2018. “Environmental and Geographical Space Partitioning Between Core and Peripheral Myrsine Species (Primulaceae) of the Brazilian Atlantic Forest.” *Botanical Journal of the Linnean Society* 187 (4): 633–52. <https://doi.org/10.1093/botlinnean/boy034>.
- Sánchez-Tapia, A., M. Siqueira, R. Lima, F. Barros, G. Gall, L. Gadelha, and L. Silva. 2017. “Model-R: A Framework for Scalable and Reproducible Ecological Niche Modeling.” In *High Performance Computing - Fourth Latin American Conference, Carla 2017. Communications in Computer and Information Science*. Vol. 796. Springer. <http://www.lncc.br/~lgadelha/publications/model-r-carla-2017.pdf>.
- Schubert, Marian, Thomas Marcussen, Andrea S. Meseguer, and Siri Fjellheim. 2019. “The Grass Subfamily Pooideae: Cretaceous-Palaeocene Origin and Climate-Driven Cenozoic Diversification.” Edited by Greg Jordan. *Global Ecology and Biogeography*, May. <https://doi.org/10.1111/geb.12923>.
- Schwarz, M. 2019. “Protecting the Predators? Assessing the Overlap Between Marine Protected Areas and Endangered Shark Species on a Global Scale.” <http://bit.ly/2QDNbgS>.
- Schweiger, Andreas H., and Jens-Christian Svenning. 2018. “Down-Sizing of Dung Beetle Assemblages over the Last 53 000 Years Is Consistent with a Dominant Effect of Megafauna Losses.” *Oikos* 127 (9): 1243–50. <https://doi.org/10.1111/oik.04995>.
- Serra-Díaz, Josep M., Brian J. Enquist, Brian Maitner, Cory Merow, and Jens-C. Svenning. 2017. “Big Data of Tree Species Distributions: How Big and How Good?” *Forest Ecosystems* 4 (1). <https://doi.org/10.1186/s40663-017-0120-0>.
- Smith, Jeffrey R., Andrew D. Letten, Po-Ju Ke, Christopher B. Anderson, J. Nicholas Hendershot, Manpreet K. Dhami, Glade A. Dlott, et al. 2018. “A Global Test of Ecoregions.” *Nature Ecology & Evolution* 2 (12): 1889–96. <https://doi.org/10.1038/s41559-018-0709-x>.
- Spalink, Daniel, Ron MacKay, and Kenneth J. Sytsma. 2019. “Phylogeography, Population Genetics and Distribution Modelling Reveal Vulnerability of *Scirpus Longii* (Cyperaceae) and the Atlantic Coastal Plain Flora to Climate Change.” *Molecular Ecology* 28 (8): 2046–61. <https://doi.org/10.1111/mec.15006>.
- Stévant, T., G. Dauby, P. P. Lowry, A. Blach-Overgaard, V. Droissart, D. J. Harris, B. A. Mackinder, et al. 2019. “A Third of the Tropical African Flora Is Potentially Threatened with Extinction.” *Science Advances* 5 (11): eaax9444. <https://doi.org/10.1126/sciadv.aax9444>.

- Testo, Weston L., Emily Sessa, and David S. Barrington. 2018. “The Rise of the Andes Promoted Rapid Diversification in Neotropical Phlegmariurus (Lycopodiaceae).” *New Phytologist* 222 (1): 604–13. <https://doi.org/10.1111/nph.15544>.
- Turner, Kathryn G., Hélène Fréville, and Loren H. Rieseberg. 2015. “Adaptive Plasticity and Niche Expansion in an Invasive Thistle.” *Ecology and Evolution* 5 (15): 3183–97. <https://doi.org/10.1002/ece3.1599>.
- Uzma, Pedro Jiménez-Mejías, Rabia Amir, Muhammad Qasim Hayat, and Andrew L. Hipp. 2019. “Timing and Ecological Priority Shaped the Diversification of Sedges in the Himalayas.” *PeerJ* 7 (June): e6792. <https://doi.org/10.7717/peerj.6792>.
- Vanderhoeven, Sonia, Tim Adriaens, Peter Desmet, Diederik Strubbe, Thierry Backeljau, Yvan Barbier, Dimitri Brosens, et al. 2017. “Tracking Invasive Alien Species (TriAS): Building a Data-Driven Framework to Inform Policy.” *Research Ideas and Outcomes* 3 (May): e13414. <https://doi.org/10.3897/rio.3.e13414>.
- Verheijen, Lieneke M., Rien Aerts, Gerhard Bönisch, Jens Kattge, and Peter M. Van Bodegom. 2015. “Variation in Trait Trade-Offs Allows Differentiation Among Predefined Plant Functional Types: Implications for Predictive Ecology.” *New Phytologist* 209 (2): 563–75. <https://doi.org/10.1111/nph.13623>.
- Werner, Gijsbert D. A., William K. Cornwell, Johannes H. C. Cornelissen, and E. Toby Kiers. 2015. “Evolutionary Signals of Symbiotic Persistence in the Legumerhizobia Mutualism.” *Proceedings of the National Academy of Sciences* 112 (33): 10262–9. <https://doi.org/10.1073/pnas.1424030112>.
- Westmeijer, George, Gert Everaert, Hans Pirlet, Olivier De Clerck, and Michiel B. Vandegehuchte. 2019. “Mechanistic Niche Modelling to Identify Favorable Growth Sites of Temperate Macroalgae.” *Algal Research* 41 (August): 101529. <https://doi.org/10.1016/j.algal.2019.101529>.
- Wiltshire, Kathryn H., Jason E. Tanner, Franziska Althaus, Shirley J. Sorokin, and Alan Williams. 2018. “Predicting Environmental Suitability for Key Benthic Species in an Ecologically and Economically Important Deep-Sea Environment.” *Deep Sea Research Part II: Topical Studies in Oceanography* 157-158 (November): 121–33. <https://doi.org/10.1016/j.dsr.2.2018.06.011>.
- Yusri, Safran, Vincentius P. Siregar, and Suharsono. 2019. “Distribution Modelling of Porites (Poritidae) in Indonesia.” *IOP Conference Series: Earth and Environmental Science* 363 (December): 012025. <https://doi.org/10.1088/1755-1315/363/1/012025>.
- Zizka, A. 2018. “Big Data Insights into the Distribution and Evolution of Tropical Diversity.” <https://gupea.ub.gu.se/handle/2077/55303>.
- Zizka, Alexander, and Alexandre Antonelli. 2015. “speciesgeocodeR: An R Package for Linking Species Occurrences, User-Defined Regions and Phylogenetic Trees for Biogeography, Ecology and Evolution,” November. <https://doi.org/10.1101/032755>.
- Zizka, Alexander, Daniele Silvestro, Tobias Andermann, Josué Azevedo, Camila Duarte Ritter, Daniel Edler, Harith Farooq, et al. 2019. “CoordinateCleaner : Standardized Cleaning of Occurrence Records from Biological Collection Databases.” Edited by Tiago Quental. *Methods in Ecology and Evolution* 10 (5): 744–51. <https://doi.org/10.1111/2041-210x.13152>.
- Zonneveld, Maarten van, Mohamed Rakha, Shin-yee Tan, Yu-yu Chou, Ching-huan Chang, Joyce Yen, Roland Schafleitner, Ramakrishnan Nair, Ken Naito, and Svein Ø. Solberg. 2019. “Understanding Patterns of Abiotic and Biotic Stress Resilience to Unleash the Potential of Crop Wild Relatives for Climate-Smart Legume Breeding,” April. <https://doi.org/10.1101/596072>.