

Jeremy Kiszka
Department of Biological Sciences,
Florida International University

EDUCATION

Degree	Institution	Field	Dates
PhD	Université de La Rochelle (FR)	Oceanography	2006-2010
MSc	Université du Littoral (FR)	Oceanography	2003-2004
BSc	Université du Littoral (FR)	Oceanography	2000-2003

FULL-TIME ACADEMIC EXPERIENCE

Institution	Rank	Field	Dates
Institut de Recherche pour le Développement	Postdoctoral scientist	Marine Biology	2010-2012

PART-TIME ACADEMIC EXPERIENCE

Institution	Rank	Field	Dates
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EMPLOYMENT RECORD AT FIU

Rank	Field	Dates
Assistant Professor	Marine Biology	Aug 2019-present
Research Assistant Professor	Marine Biology	Jul 2016-Aug 2019

PUBLICATIONS IN DISCIPLINE (number of citations: 3,556, H-index: 34; Google Scholar, 09/08/2022)

101. **Kiszka, J.**, Bejder, L., Davis, R.W., Meekan, M., Rodriguez, D.H. & Stockin, K.A., 2022. Small cetacean conservation: current challenges and opportunities. *Frontiers in Marine Science*, 9: 957002.
100. Roberson, L., Wilcox, C., Boussarie, G., Kark, S., Kashner, K., Garilao, C., Rousseau, Y., Dugan, E., Gonzalez, K., Vallentyne, D., Green, M., Watson, J., Klein, C.J. & **Kiszka, J.**, 2022. Spatially-explicit risk assessment of interactions between marine megafauna and Indian Ocean tuna fisheries. *Fish and Fisheries*, 23: 1181-1201.
99. Caceres, C., **Kiszka, J.**, Luna-Acosta, A., Herrera, H., Zarza, E. & Heithaus, M.R., 2022. Predatory fish exploitation and relative abundance in a data-poor region from the Caribbean coast of Colombia inferred from artisanal fisheries interview surveys and Baited Remote Underwater Videos. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 32: 1401-1415.
98. Wambiji, N., Kadagi, N.I., Everett, B.I., Temple, A.J., **Kiszka, J.**, Kimani, E. & Berggren, P., 2022. Integrating long-term citizen science and contemporary artisanal fishery survey to investigate recreational and small-scale shark fisheries in Kenya. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 32: 1306-1322.
97. Wash, C.A.J., Momigliano, P., Boussarie, G., Robbins, D.R., Bonnin, L., Fauvelot, C., **Kiszka, J.**, Mouillot, D., Vigliola, L. & Manel, S., 2022. Genomic insights into the historical biogeography and contemporary demographics of the grey reef shark. *Heredity*, 128: 225-235.
96. Wirsing, A.J., **Kiszka, J.**, Allen, A.C. & Heithaus, M.R., 2022. Ecological roles and importance of sea cows (Order: Sirenia) in aquatic ecosystems: a review and prospectus. *Marine Ecology Progress Series*, 689: 191-215.

95. Boussarie, G., Momigliano, P., Robbins, W.D., Bonnin, L., Cornu, J.-F., Fauvelot, C., **Kiszka, J.**, Manel, S., Mouillot, D. & Vigliola, L., 2022. Identifying barriers to gene flow and hierarchical conservation units from seascape genomics: a modeling framework for a marine predator. *Ecography*, e06158.
94. **Kiszka, J.**, Woodstock, M. & Heithaus, M.R., 2022. Functional roles and ecological importance of small cetaceans in aquatic ecosystems. *Frontiers in Marine Science*, 9: 803173.
93. Allen, A.C., Beck, C.A., Sattleberger, D.C. & **Kiszka, J.**, 2022. Evidence of a dietary shift by the Florida manatee (*Trichechus manatus latirostris*) in the Indian River lagoon inferred from stomach content analyses. *Estuarine, Coastal and Shelf Science*, 268: 107788.
92. Wirsing, A.J., Johnston, A.N. & **Kiszka, J.**, 2022. The rapidly expanding role of drones as a tool for wildlife research. *Wildlife Research*, 49: i-v.
91. Patrick, C.J., Kominoski, J.S., McDowell, W.H., Branoff, B., Lagomasino, D., Leon, M., HENSEL, E., Hensel, M., Strickland, B., Mitchell Aide, T., Armitage, A., Cerqueira, M.C., Congdon, V., Crowl, T.A., Devlin, D.J., Douglas, S., Erisman, B., Feagin, R., Geist, S., Hall, N.S., Hardison, A., Heithaus, M.R., Hogan, J.A., Hogan, J.D., Kinard, S., **Kiszka, J.**, Lin, T.C., Lu, K., Madden, C.J., Montagna, P.A., O'Connell, C.S., Proffitt, C.E., Reese, B., Reustle, J.W., Robinson, K., Rush, S.A., Santos, R.O., Schnetzer, A., Smee, D.L., Star, G., Stauffer, B.A., Walker, L., Weaver, C., Metz, M., Whitman, E.R., Wilson, S.S., Xue, J. & Zou, X., 2022. Universal pattern of trade-offs between ecosystem resistance and resilience to tropical cyclones. *Science Advances*, 8: eabl9155.
90. Ramos, E.A., Santoya, L., Verde, J., Walker, Z., Castelblanco-Martinínez, D.N., **Kiszka, J.** & Rieucan, G., 2022. Lord of the Rings: mud-ring feeding by bottlenose dolphins in a Caribbean estuary revealed from sea, air and space. *Marine Mammal Science*, 38: 363-373.
89. **Kiszka, J.**, Moazzam, M., Boussarie, G., Shahid, U., Khan, B. & Nawaz, R., 2021. Setting the net lower: a potential low-cost mitigation method to reduce cetacean bycatch in drift gillnet fisheries. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 31: 3111-3119.
88. Diamant, S., Pierce, S.J., Rohner, C., Graham, R.T., Guillemain d'Echon, A., Guillemain d'Echon, T., Sourriseau, E., Fidiarisandrata, L.C., Bakary, G., Trelanche, S., Andriananrisoa, F. & **Kiszka, J.**, 2022. Population structure, residency, and abundance of whale sharks off Nosy Be, north-western Madagascar. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 31: 3492-3506.
87. Castelblanco-Martinínez, D.N., Ramos, E.A., **Kiszka, J.**, Blanco-Parra, M.P., Niño-Torres, C.A., Padilla-Saldivar, J.A. & García, J., 2021. Spatial patterns of shark-inflicted injuries on coastal bottlenose dolphins in the Mesoamerican reef region. *Studies on Neotropical Fauna and Environment*.
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86. Ziegler, J., Diamant, S., Pierce, S., Bennett, R. & **Kiszka, J.**, 2021. Economic value and public perceptions of whale shark tourism in Nosy Be, Madagascar. *Tourism in Marine Environments*, 16: 167-182.
85. Caputo, M., Elwen, S., Kohler, S., Gridley, T., Roux, J.-P., Froneman, W. & **Kiszka, J.**, 2021. Dietary plasticity of two coastal dolphin species in the Benguela upwelling ecosystem. *Marine Ecology Progress Series*, 669: 227-240.
84. Bonnin, L., Mouillot, D., Boussarie, G., Robbins, W.D., **Kiszka, J.**, Dagorn, L. & Vigliola, L., 2021. Recent expansion of marine protected areas matches with home range of grey reef sharks. *Scientific Reports*, 11: 14221.

83. Fielding, R., **Kiszka, J.**, MacDonald, C., MacCormack, M.A., Dutton, J., Olliverre, A.D., Arnett, J., Elkins, M., Darby, N.A., Garcia, H.-M., Skinner, S., Tucker, H. & Reid, V., 2021. Demographic and geographic patterns of cetacean-based food product consumption and potential mercury exposure within a Caribbean whaling community. *Human and Ecological Risk Assessment*, 27(6): 1671-1695.
82. Syme, J., **Kiszka, J.** & Parra, G., 2021. Dynamics of mixed-species group formation in cetaceans: a review and a conceptual framework to test their functional significance. *Frontiers in Marine Science*, 8: 678173.
80. Fielding, R.* & **Kiszka, J.***, 2021. Artisanal and aboriginal subsistence whaling in St. Vincent and the Grenadines (Eastern Caribbean): history, catch characteristics and needs for research and management. *Frontiers in Marine Science*, 8: 668597. * Authors contributed equally to this work.
79. **Kiszka, J.**, Caputo, M., Méndez-Fernandez, P. & Fielding, R., 2021. Feeding ecology of elusive Caribbean killer whales inferred from Bayesian stable isotope mixing models and whalers' ecological knowledge. *Frontiers in Marine Science*, 8: 648421.
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76. Clementi, G.M., Bakker, J., Flowers, K.I., Postaire, B.D., Babcock, E.A., Bond, M., Cardenosa, D., Curry-Randall, L.M., Goetze, J.S., Harvey, E., Heupel, M., **Kiszka, J.**, MacNeil, A., Meekan, M.G., Rees, M.J., Simpfendorfer, C., Speed, C.W., Heithaus, M.R. & Chapman, D. Human population density, fewer sharks, and seabed complexity enhance moray eel occurrence on coral reefs throughout the greater Caribbean. *iScience*, 24: 102097.
75. Terrapon, M., **Kiszka, J.** & Wagner, J., 2021. Observations of killer whale feeding behavior in the tropical waters of the Mozambique Channel Island of Mayotte, SW Indian Ocean. *Aquatic Mammals*, 47: 196-205.
74. Ramos, E.A., **Kiszka, J.**, Pouet-Santalou, V., Ramírez Barragán, D., García Chávez, A.J. & Audley, K., 2021. Food sharing in rough-toothed dolphins off southwestern Mexico. *Marine Mammal Science*, 37: 352-360.
73. Kilfoil, J., Rodriguez-Pinto, I.I., **Kiszka, J.**, Heithaus, M.R., Zhang, Y., Roa, C., Ailloud, L.E., Campbell, M.D. & Wirsing, A.J., 2020. Using unmanned aerial vehicles and machine learning to improve sea cucumber density estimation in shallow habitats. *ICES Journal of Marine Science*, 77: 2882-2889.
72. McCormack, M.A., Fielding, R., **Kiszka, J.**, Paz, V., Jackson, B.P., Bergfelt, D.R. & Dutton, J., 2020. Mercury and selenium concentrations, and selenium:mercury molar ratios, in small cetaceans taken off St. Vincent, West Indies. *Environmental Research*, 181: 108908.
71. MacNeil, A.M., Chapman, D., Heupel, M., Simpfendorfer, C.A., Heithaus, M., Meekan, M., Harvey, E., Goetze, J., **Kiszka, J.**, Bond, M.E., Currey-Randall, L., Speed, C., *et al.* 2020. Global status and conservation potential for reef sharks. *Nature*, 583: 801-806.

70. Bouveroux, T., Waggit, J., Belhadger, A., Cazenave, P., Evans, P.G.H. & **Kiszka, J.**, 2020. Predicting harbour porpoise densities using habitat models in the southern bight of the North Sea inferred from platform-of-opportunity data. *Journal of the Marine Biological Association of the United Kingdom*, 100: 481-489.
69. Le Bourg, B., **Kiszka, J.**, Bustamante, P., Heithaus, M.R., Jaquemet, S. & Humber, F., 2019. Effects of body size, trophic position and habitat on mercury concentrations of sharks from contrasted ecosystems in the southwestern Indian Ocean. *Environmental Research*, 169: 387-395.
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66. Bonnin, L., Robbins, W.D., Boussarie, G., **Kiszka, J.**, Dagorn, L., Mouillot, D. & Vigliola, L., 2019. Repeated long-range migrations of adult males in a common Indo-Pacific reef shark. *Coral Reefs*, 38: 1121-1132.
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64. Heenehan, H., Stanistreet, J.E., Corkeron, P.J., Bouveret, L., Chalifour, J., Davis, G.E., Henriquez, A., **Kiszka, J.**, Kline, L., Reed, C., Shamir-Reynoso, O., Védie, F., De Wolf, W., Hoetijes, P. & Van Parijs, S.M., 2019. Caribbean Sea soundscapes: monitoring humpback whales, biological sounds, geological events, and anthropogenic impacts of vessel noise. *Frontiers in Marine Science*, 6: 347.
63. Beal, A., **Kiszka, J.**, Wells, R. & Eirin-Lopez, J., 2019. The Bottlenose dolphin Epigenetic Aging Tool (BEAT): a molecular age estimation tool for small cetaceans. *Frontiers in Marine Science*. doi: 10.3389/fmars.2019.00561.
62. Matich, P., **Kiszka, J.**, Heithaus, M.R., Le Bourg, B. & Mourier, J., 2019. Inter-individual differences in ontogenetic trophic shifts among three marine predators. *Oecologia*, 189: 621-636.
61. Mendez-Fernandez, P., **Kiszka, J.**, Heithaus, M.R., Beal, A., Caurant, F., Spitz, J., Vandersarren, G., Montone, R.C. & Taniguchi, S., 2018. From banana fields to the deep blue: assessment of chlordecone contamination of oceanic cetaceans in the Eastern Caribbean. *Marine Pollution Bulletin*, 137: 56-60.
60. Rieucan, G., **Kiszka, J.**, Castillo-Montoya, J., Mourier, J., Boswell, K. & Heithaus, M.R., 2018. Investigating fine-scale shoaling adjustments of reef sharks using unmanned aerial vehicle (UAV) surveys and image analysis. *Journal of Fish Biology* 93: 119-127.
59. Diamant, S., Rhoner, C., **Kiszka, J.**, Guillemain d'Échon, T., Guillemain d'Échon, A., Sourisseau, E. & Pierce, S.J., 2018. Horizontal movements and habitat use of satellite-tagged whale sharks (*Rhincodon typus*) off western Madagascar. *Endangered Species Research*, 36: 49-58.
58. Boussarie, G., Bakker, J., Mariani, S., Bonnin, L., Juhel, J.-B., **Kiszka, J.**, Kulbicki, M., Manel, S., Robbins, W.D., Wangensteen, O.S., Vigliola, L. & Mouillot, D., 2018. Environmental DNA illuminates the dark biodiversity of sharks in coral reef ecosystems. *Science Advances*, 4: eaap9661.

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54. Sarabia, R., Heithaus, M.R. & **Kiszka, J.**, 2018. Spatial and temporal variation in abundance, group size and behavior of bottlenose dolphins (*Tursiops truncatus*) in the Florida coastal Everglades. *Journal of the Marine Biological Association of the United Kingdom*, 88: 1097-1107.
53. Kilfoil, J., Wirsing, A.J., Campbell, M., **Kiszka, J.**, Gastrich, K., Heithaus, M.R., Zhang, Y. & Bond, M.E., 2017. Traditional video survey methods undercount sharks at high densities: a comparison using conventional and newly developed full-spherical camera technologies. *Marine Ecology Progress Series*, 585: 113-121.
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51. Boldochi, G., **Kiszka, J.**, Purkis, S., Storai, T., Zinzula, L. & Burkholder, D., 2017. Distribution, ecology, and status of the white shark (*Carcharodon carcharias*) in the Mediterranean Sea. *Reviews in Fish Biology and Fisheries*, 27: 515-534.
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25. Pusineri, C., **Kiszka, J.**, Quillard, M. & Caceres, S., 2013. The endangered status of dugongs (*Dugong dugon*) around Mayotte (Eastern Africa, Mozambique Channel) assessed through interview surveys. *African Journal of Marine Science*, 35(1): 111-116.
24. **Kiszka, J.**, Simon-Bouhet, B., Gastebois, C., Pusineri, C. & Ridoux, V., 2012. Habitat partitioning and fine scale population structure among insular bottlenose dolphins (*Tursiops aduncus*) in a tropical lagoon. *Journal of Experimental Marine Biology and Ecology*, 416-417: 176-184.
23. Ersts, P.J., **Kiszka, J.**, Vely, M. & Rosenbaum, H.C., 2011. Density, group composition, and encounter rates of humpback whales (*Megaptera novaeangliae*) in the eastern Comoros archipelago [C2]. *Journal of Cetacean Research and Management*, 3 (special issue): 175-182.
22. Elwen, S., Findlay, K., **Kiszka, J.** & Weir, C., 2011. Cetacean research in the southern African subregion (equator to ice edge): review of previous studies and current knowledge. *African Journal of Marine Science*, 33(3): 469-493.
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20. Jauniaux, T., Farnir, F., Fontaine, M., **Kiszka, J.**, Sarlet, M. & Coignoul, F., 2011. Cytochrome P450 1A1 expression in cetacean skin biopsies from the Indian Ocean. *Marine Pollution Bulletin*, 62: 1317-1319.
19. **Kiszka, J.**, Perrin, W.F., Pusineri, C. & Ridoux, V., 2011. What drives island-associated tropical dolphins to form mixed-species associations in the southwest Indian Ocean? *Journal of Mammalogy*, 92(5): 1105-1111.

18. **Kiszka, J.**, Simon-Bouhet, B., Martinez, L., Pusineri, C., Richard, P. & Ridoux, V., 2011. Ecological niche segregation within a community of sympatric dolphins around a tropical island. *Marine Ecology Progress Series*, 433: 273-288.
17. Spitz, J., Cherel, Y., Bertin, S., **Kiszka, J.**, Dewez, A. & Ridoux, V., 2011. Prey preferences and foraging niche segregation among the community of deep-diving odontocetes from the Bay of Biscay, northeast Atlantic. *Deep Sea Research, Part I*, 58: 273-282.
16. **Kiszka, J.**, Ersts, P.J. & Ridoux, V., 2010. Structure of a toothed cetacean community around a tropical island (Mayotte Island, Mozambique Channel). *African Journal of Marine Science*, 32(3): 543-551.
15. **Kiszka, J.**, Simon-Bouhet, B., Charlier, F., Pusineri, C. & Ridoux, V., 2010. Individual and group behavioural reactions of small delphinids to remote biopsy sampling. *Animal Welfare*, 19: 411-417.
14. **Kiszka, J.**, Oremus, M., Richard, P., Poole, M. & Ridoux, V., 2010. The use of stable isotope analyses from skin biopsy samples to assess trophic relationships of sympatric delphinids off Moorea Island (French Polynesia). *Journal of Experimental Marine Biology and Ecology*, 395: 48-54.
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12. **Kiszka, J.**, Vely, M. & Breysse, O., 2010. A preliminary account of cetacean diversity and humpback whale (*Megaptera novaeangliae*) group characteristics around the Union of the Comoros (Mozambique Channel). *Mammalia*, 74: 51-56.
11. Gross, A., **Kiszka, J.**, Van Canneyt, O., Richard, P. & Ridoux, V., 2009. A preliminary study of habitat and resource partitioning among co-occurring tropical dolphins around Mayotte, south-west Indian Ocean. *Estuarine, Coastal and Shelf Science*, 84: 367-374.
10. **Kiszka, J.**, Van Bresse, M.-F. & Pusineri, C., 2009. Lobomycosis-like disease and other skin conditions in Indo-Pacific bottlenose dolphins (*Tursiops aduncus*) from the Indian Ocean. *Diseases of Aquatic Organisms*, 84(2): 151-157.
9. Rosenbaum, H.C., Pomilla, C., Leslie, M.C., Mendez, M.C., Best, P.B., Collins, T., Engel, M.H., Ersts, P.J., Findlay, K.P., Bonatto, S., Kotze, P.G.H., Meyer, M., Minton, G., Barendse, J., Thornton, M., Razafindrakoto, Y., Ngouesso, S., Vely, M., & **Kiszka, J.**, 2009. Population structure of humpback whales from their wintering areas (breeding stocks) in the Indian and South Atlantic Oceans (wintering regions A, B, C, and X). *PloS One*, 4 (10): e7318. doi: 10.7371/journal.pone.0007318
8. **Kiszka, J.**, Muir, C.E., Amir, O.A., Cox, T.M., Bourjea, J., Poonian, C., Razafindrakoto, Y., Wambiji, N. & Bristol, N., 2008. Marine mammal bycatch in the southwest Indian Ocean: review and need for a comprehensive status assessment. *Western Indian Ocean Journal of Marine Science*, 7(2): 119-136.
7. **Kiszka, J.**, Peloudeau, D. & Ridoux, V., 2008. Body scars and dorsal fin disfigurements as indicators of interactions between small cetaceans and fisheries around the Mozambique Channel Island of Mayotte. *Western Indian Ocean Journal of Marine Science*, 7(2): 185-193.
6. **Kiszka, J.**, MacLeod, K., Van Canneyt, O., Walker, D. & Ridoux, V., 2007. Distribution, encounter rates and habitat characteristics of toothed cetaceans in the Bay of Biscay and adjacent waters using platform of opportunity data. *ICES Journal of Marine Science*, 64: 1033-1043.

5. **Kiszka, J.**, 2007. Atypical associations between dugongs (*Dugong dugon*) and dolphins in a tropical lagoon. *Journal of the Marine Biological Association, UK*, 87: 101-104.
4. **Kiszka, J.**, Muir, C. & Jamon, A., 2007. Status of a marginal dugong (*Dugong dugon*) population in the lagoon of Mayotte (Mozambique Channel), in the western Indian Ocean. *Western Indian Ocean Journal of Marine Science*, 6(1): 111-116.
3. **Kiszka, J.**, Ersts, P.J. & Ridoux, V., 2007. Cetacean diversity around the Mozambique Channel island of Mayotte (Comoros archipelago). *Journal of Cetacean Research and Management*, 9(2): 105-109.
2. Anderson, R.C., Clark, R., Madsen, P.T., Johnson, C., **Kiszka, J.** & Breyse, O., 2006. Observations of Longman's beaked whales (*Indopacetus pacificus*) in the western Indian Ocean. *Aquatic Mammals*, 32(2): 223-231.
1. **Kiszka, J.**, Hassani, S. & Pezeril, S., 2004. Status and distribution of small cetaceans along the French Channel coast: using opportunistic records for a preliminary assessment. *Lutra*, 47 (1): 33-46.

Books

Kiszka, J., Quod, J.-P. & Berggren, P., 2016. *Sharks and rays: a field guide to common elasmobranchs of East Africa*. Western Indian Ocean Marine Science Association (WIOMSA). 200p.

Chapters in Books

7. Diamant, S., **Kiszka, J.** & Pierce, S.J., 2022. *Rhincodon typus*, Whale shark. *Natural History of Madagascar*. Princeton University (in press).
6. **Kiszka, J.** & Heithaus, M.R., 2018. Aerial survey methods to assess the distribution, abundance and behavior of sharks and rays. *Shark Research: Emerging Technologies for the Field and Laboratory* (Eds. J. Carrier, M.R. Heithaus & C.A. Simpfendorfer), CRC Marine Biology Series, pp. 71-82.
5. Heithaus, M.R., Dill, L. & **Kiszka, J.**, 2017. Foraging strategies and tactics. In B. Wursig, H.G.M. Thewissen & K.M. Kovacs, eds. *The Encyclopedia of Marine Mammals, third Edition*. Academic Press.
4. **Kiszka, J.**, 2015. Marine mammals: a review of status, distribution and interaction with fisheries in the Southwest Indian Ocean. Chapter 8: 303-323. In: Van der Elst RP and Everett BI. 2015. (eds). Offshore fisheries of the Southwest Indian Ocean: their status and the impact on vulnerable species. *Oceanographic Research Institute, Special Publication*, 10. 448pp.
3. **Kiszka, J.** & van der Elst R.P. 2015. Elasmobranchs (sharks and rays): a review of status, distribution and interaction with fisheries in the Southwest Indian Ocean. Chapter 11: 365-389. In: Van der Elst RP and Everett BI. 2015. (eds). Offshore fisheries of the Southwest Indian Ocean: their status and the impact on vulnerable species. *Oceanographic Research Institute, Special Publication*, 10. 448pp.
2. **Kiszka, J.** & Heithaus, M.R., 2014. The state of knowledge on sharks for conservation and management. In: E.J. Techera & N. Klein. *Sharks: Conservation, Governance and Management*. Earthscan, USA, pp 69-88.
1. Muir, C. & **Kiszka, J.**, 2012. Eastern African Dugongs. In E. Hines, J. Reynolds, L. Aragones, T. Mignucci, & M. Marmontel (Eds.). *Sirenian Conservation: Issues and Strategies in Developing Countries*. University Press of Florida, USA, pp 84-90.

Government Reports or Monographs

Bennett, R.H., van Beuningen, D., Bräutigam, A., Bürgener, M.C.R., Bladon, A., **Kiszka, J.**, Leeney, R.H., Okes, N., Samoily, M., 2022. *Chondrichthyan of the Western Indian Ocean: Biodiversity, Fisheries and Trade, Management and Conservation*. A Status Report prepared by the Wildlife Conservation Society for the Nairobi Convention for the Protection, Management and Development of the Marine and Coastal Environment of the Eastern African Region. Wildlife Conservation Society, New York: 339 pp, 2 appendices.

Roman, J., **Kiszka, J.**, Pearson, H., Sacova, M. & Smith, C., 2021. Ecological roles and impacts of large cetaceans in marine ecosystems. Report submitted to the International Whaling Commission. 56p.

Kiszka, J., Talwar, B., Minton, G., Collins, T. & Reeves, R.R., 2018. Cetacean bycatch in Indian Ocean tuna fisheries and perspectives from the 13th meeting of the Working Party on Ecosystems and Bycatch of the Indian Ocean Tuna Commission. Report submitted to the Scientific Committee of the International Whaling Commission, April 21 – May 6, 2018, Bled, Slovenia.

Kiszka, J., Berggren, P., Braulik, G. Collins, T., Minton, G. & Reeves, R.R., 2017. Cetacean bycatch in the western Indian Ocean: a review of available information in coastal gillnet, tuna purse seine and pelagic longline fisheries. Report to the Working Party on Ecosystems and Bycatch, Indian Ocean Tuna Commission, San Sebastian, Spain, 4-8 Sept. 2017.

Oehen, S., Reeves, R., Collins, T., **Kiszka, J.**, Baldwin, R., Leslie, A., Nawaz, R., Moazzam, M., Shahid, U., Sutaria, D. & Minton, G., 2017. Addressing bycatch in the western, central and northern Indian Ocean tuna fisheries. Report submitted to the Scientific Committee of the International Whaling Commission, May 9-21, 2017, Bled, Slovenia.

Kiszka, J. 2012. Bycatch assessment of vulnerable megafauna in coastal artisanal fisheries in the southwest Indian Ocean. A report to the South West Indian Ocean Fisheries Project (SWIOFP), Fond Français pour l'Environnement Mondial (FFEM), World Bank, Mombasa, Kenya. 113p.

Kiszka, J., Bein, A., Bach, P., Jamon, A., Layssac, K., Labart, S. & Wickel, J., 2010. Catch and bycatch in the pelagic longline fishery around Mayotte (NE Mozambique Channel), July 2009-September 2010. Report to the Working Party on Ecosystems and Bycatch, Indian Ocean Tuna Commission. 6p

Kiszka, J., Berggren, P., Rosenbaum, H.C., Cerchio, S., Rowat, D., Drouot-Dulau, V., Razafindrakoto, Y., Vely, M. & Guissamulo, A., 2009. Cetaceans in the southwest Indian Ocean: a review of diversity, distribution and conservation issues. Report SC/61/O18 submitted to the IWC Scientific Committee. 13p.

Loo J., Méndez M., Pomilla C., Leslie, Best, P.B., Collins, T., Engel, M.H., Ersts, P.J., Findlay, K.P., Bonatto, S., Kotze, P.G.H., Meyer, M., Minton, G., Barendse, J., Thorton, M., Razafindrakoto, Y., Ngouesso, S., Vely, M., **Kiszka, J.**, Olavarría C., Baker S., Aguayo A., Thiele D., Ensor P. & Rosenbaum H., 2008. Update on the evaluation of humpback whale genetic structure on the feeding grounds and their connectivity to breeding regions. Report SC/60/SH submitted to the IWC Scientific Committee. 10p.

Kiszka, J., Muir, C., Amir, O.A., Drouot-Dulau, V., Poonian, C., Razafindrakoto, Y. & Wambiji, N., 2008. Incidental catch of marine mammals in the southwest Indian Ocean: a preliminary review. Report SC/60/SM13 submitted to the IWC Scientific Committee. 11p.

OTHER PUBLICATIONS (IUCN Red List Assessments)

Kiszka, J. & Braulik, G.T. 2020. *Kogia breviceps* (pygmy sperm whale). *The IUCN Red List of Threatened Species* 2020: e.T11047A50358334.

Kiszka, J. & Braulik, G.T. 2020. *Kogia sima* (dwarf sperm whale). *The IUCN Red List of Threatened Species* 2020: e.T11048A50359330.

Kiszka, J., Baird, R.W. & Braulik, G.T. 2019. *Steno bredanensis* (rough-toothed dolphin). The IUCN Red List of Threatened Species, 2019: e.T20738A50376703.

Kiszka, J. & Brownell, R.L., 2019. *Peponocephala electra* (melon-headed whale). The IUCN Red List of Threatened Species, 2019: e.T16564A50369125.

Braulik, G.T., Natoli, A., **Kiszka, J.**, Plön, S., Smith, B.D. & Parra, G., 2019. *Tursiops aduncus* (Indo-Pacific bottlenose dolphin). The IUCN Red List of Threatened Species, 2019: e.T41714A50381127.

Kiszka, J. & Braulik, G.T., 2018. *Lagenorhynchus albirostris* (white-beaked dolphin). *The IUCN Red List of Threatened Species* 2018: e.T11142A50361346.

Kiszka, J. & Braulik, G.T., 2018. *Grampus griseus* (Risso's dolphin). *The IUCN Red List of Threatened Species* 2018: e.T9461A50356660.

Kiszka, J. & Braulik, G.T., 2018. *Lagenodelphis hosei* (Fraser's dolphin). *The IUCN Red List of Threatened Species* 2018: e.T11140A50360282.

Kiszka, J. & Braulik, G.T., 2018. *Stenella attenuata* (pantropical spotted dolphin). *The IUCN Red List of Threatened Species* 2018: e.T20729A50373009.

PRESENTED PAPERS, AND LECTURES (List title, date, and venue where presented)

Kiszka, J., Caputo, M., Vollenweider, J. & Garrison, L. Quality matters more than quantity: critically endangered Rice's whales (*Balaenoptera ricei*) feed on high energy but less abundant prey. 24th Biennial Conference on the Biology of Marine Mammals, Palm Beach, Florida, 1-5 August 2022 [oral presentation].

Kiszka, J., 2021. Dolphins mediate the translocation and recycling of oceanic nutrient subsidies to coral reefs. Presentation to the Scientific Committee of the International Whaling Commission, Cambridge, United Kingdom, April 20th, 2021 [invited oral presentation, over zoom].

Kiszka, J., 2019. The "Dolphin pump"? Dolphins mediate the translocation and recycling of allochthonous oceanic nutrient subsidies to coral reefs. 2nd World Marine Mammal Science Conference, December 9-12, 2019, Barcelona, Spain [oral presentation].

Kiszka, J., 2018. Cetaceans in the tuna drift gillnet fishery off Pakistan (Arabian Sea): can we reduce bycatch at low cost with no impact on targeted species catch rates? Working Party on Ecosystems and Bycatch, Indian Ocean Tuna Commission, Cape Town, South Africa, 10-14 Sept. 2018 [invited oral presentation].

Kiszka, J., 2017. Seamount affects mesopelagic biomass and sperm whale (*Physeter macrocephalus*) distribution in the south-eastern Caribbean. 22nd Biennial Conference on the Biology of Marine Mammals, October 22-27, 2017, Halifax, Nova Scotia, Canada [oral presentation].

Kiszka, J., 2014. Role of bottlenose dolphins and other top predators in linking ecosystem dynamics in the Florida Everglades. 28th Annual Conference of the European Cetacean Society, Liège, Belgium, 7-9 April 2014 [oral presentation].

Kiszka, J., 2013. Assessing the feeding ecology of coastal dolphin populations using behavioural and biopsy sampling? 27th Annual Conference of the European Cetacean Society, Setubal, Portugal, 8-10 April 2013 [oral presentation].

Kiszka, J. 2012. An ecological risk assessment of fishing for marine mammals, sea turtles and elasmobranchs in artisanal fisheries of the southwestern Indian Ocean from interview survey data. Working Party on Ecosystems and Bycatch, Indian Ocean Tuna Commission, Cape Town, South Africa, 17-19 Sept. 2012 [invited oral presentation]

- Kiszka, J.** 2012. Biopsy sampling in dolphins: from research questions to methodological recommendations. 26th Annual Conference of the European Cetacean Society, Galway, Ireland, 26-28 March 2012. Workshop on Best Practices in Marine Mammal Research, 25 March 2012 [oral presentation].
- Kiszka, J.**, 2011. Inter-species interactions and group formation in tropical dolphins: from an anti-predator strategy to social compensation. 19th Biennial Conference on the Biology of Marine Mammals, Tampa, Florida, USA, November 27 – December 2 2011 [oral presentation].
- Kiszka, J.**, 2010. Fine-scale population structure of insular Indo-Pacific bottlenose dolphins (*Tursiops aduncus*) over temporal scales. 24th Annual Conference of the European Cetacean Society, Stralsund, Germany, 20-24 March 2010 [oral presentation].
- Kiszka, J.**, 2009. Habitat preferences, resource use and activity budgets in sibling tropical dolphins: segregation processes in an insular environment. 18th Biennial Conference on the Biology of Marine Mammals, Quebec City, Quebec, Canada, 10-16 October 2009 [oral presentation].
- Kiszka, J.**, 2009. Are coastal dolphins potential barometers of marine ecosystem health: a case study in the western Indian Ocean. 6th Scientific Symposium of the Western Indian Ocean Marine Science Association, La Reunion, France, 24-29 August 2009 [oral presentation].
- Kiszka, J.**, 2008. Monitoring rare and elusive marine mammals: a case study of East African dugongs. Monitoring strategies for marine mammal populations, La Rochelle (France). 21-23 November 2008 [oral presentation].
- Kiszka, J.**, 2008. Site fidelity, group characteristics and stereotyped behaviour of melon-headed whales (*Peponocephala electra*) around an oceanic island. 22nd Annual Conference of the European Cetacean Society, Egmond aan Zee, The Netherlands, March 10-12, 2008 [oral presentation].
- Kiszka, J.**, 2007. Bycatch of marine mammals and sea turtles in eastern Africa: an overview. Workshop on Bycatch of Marine Mammals around Africa, 17th Biennial Conference on the Biology of Marine Mammals, Cape Town, 27 November 2007 [oral presentation].
- Kiszka, J.**, 2007. Habitat and resource partitioning among a community of top predators in the Mozambique Channel: a case study on tropical dolphins. 17th Biennial Conference on the Biology of Marine Mammals, Cape Town, South Africa, 29 November – 3 December 2007 [oral presentation].
- Kiszka, J.**, 2006. Marine mammals in the western tropical Indian Ocean: research, status and threats. 1st Regional Workshop on Incidental Catches of Non-targeted Marine Species in the Western Indian Ocean, 13-15th November 2006, Mayotte [oral presentation].
- Kiszka, J.**, 2006. Status and conservation of a marginal dugong (*Dugong dugon*) population in the Mozambique Channel. 1st Symposium on the Status and Conservation of Dugongs in the Western Indian Ocean, Red Sea and Arabian Sea, Abu Dhabi, United Arab Emirates, June 2006 [invited oral presentation].
- Kiszka, J.**, 2005. Marine mammals as a tool for ecosystem assessment: a review and application for the east African region. 4th Symposium of the Western Indian Ocean Marine Science Association (WIOMSA), Grand Baie, Mauritius, August 2005 [oral presentation].
- Kiszka, J.**, 2005. Biopsy sampling in tropical dolphins: individual and group behavioural reactions. 16th Biennial Conference on the Biology of Marine Mammals, San Diego, USA, December 2005 [oral presentation].
- Kiszka, J.**, 2004. Distribution, relative abundance, and bathymetric preferences of toothed cetaceans in the English Channel and Bay of Biscay. 17th Conference of the European Cetacean Society, Kölmården, Sweden, March-April 2004 [best undergraduate student oral presentation].

Grant Proposals

FUNDED RESEARCH

1. **Kiszka, J.** (PI), Shirley, M. (co-I), Papastamatiou, Y. (co-I). Behavioral tag development for small cetaceans. Dalio Philanthropies, 2020-2023, \$248,682.
2. Heithaus, M. (PI), **Kiszka, J.** (co-PI). Trophic interactions and habitat requirements of Gulf of Mexico Rice's whales (*Balaenoptera ricei*), RESTORE-NOAA-University of Miami, 2016-2020, \$350,638 (overall grant of \$1,400,000, PI Lance Garrison, NOAA)
3. Heithaus, M. (PI), **Kiszka, J.** (co-PI), Gomes, C. (co-PI), Patel, E. (co-I). IRES Track I: International Research Experience for Students in Ecology and Conservation of Endangered Wildlife, National Science Foundation, 2019-2023, \$299,438.
4. **Kiszka, J.** (PI), Vincent, C. (co-PI). Understanding conflicts between marine mammals and fisheries in the northwest Atlantic (St Pierre et Miquelon), Office Français de la Biodiversité, 2019-2022, \$149,682.
5. **Kiszka, J.** (PI). Ecology of blue whales (*Balaenoptera musculus*) and other cetaceans in the Seychelles (Indian Ocean). Save our Seas Foundation, Keystone grant, 2022-2024, \$42,000.
6. **Kiszka, J.** (PI). Movements, habitat use and feeding ecology of reef manta rays (*Mobula alfredi*) in the lagoon of Mayotte, Indian Ocean. Office Français de la Biodiversité/Direction de l'Environnement, 2019-2022, \$103,000.
7. **Kiszka, J.** (PI), Whitman, E. (co-PI), Heithaus, M. (co-PI). Behavioral ecology of green sea turtles (*Chelonia mydas*) in the French Antilles: implications for ecosystem dynamics and the invasion of *Halophila stipulacea*, TOTAL Foundation, 2015-2018, \$199,021.
8. **Kiszka, J.** (PI). Acoustic monitoring of humpback whales (*Megaptera novaeangliae*) in the Caribbean region. NOAA (Integrated Statistics), 2016-2017, \$6,980.
9. **Kiszka, J.** (PI). Conserving sharks and rays in the southwest Indian Ocean. Wildlife Conservation Society, 2015-2016, \$5,000.
10. **Kiszka, J.** (PI). Marine megafauna conservation along the western coast of Madagascar. FIU Foundation, 2017-2018, \$6,376.
11. Brito, A. (PI), Amir, O.A. (co-PI), Berggren, P (co-I), Stead, S. (co-I), **Kiszka, J.** (co-I), Fenessy, S. (co-I), Poonian, C. (co-I), Wambiji, N. (co-I). BYCAM: Bycatch Assessment and Mitigation in Western Indian Ocean Fisheries. Western Indian Ocean Marine Science Association, 2015-2017, \$284,300.
12. **Kiszka, J.** (PI), Heithaus, M. (co-PI). Foraging and social behavior of sperm whales (*Physeter macrocephalus*) in the eastern Caribbean using animal-borne video camera systems. TOTAL Foundation, 2014-2016, \$217,000.
13. Heithaus, M. (PI), **Kiszka, J.** (co-PI). Effect of provisioning on the behavior and foraging ecology of reef associated predators around Moorea, French Polynesia. National Geographic Society, Waitt Program, Save our Seas Foundation, 2013-2014, \$30,000.
14. **Kiszka, J.** (PI), Mourier, J. (co-PI). Using unmanned aerial vehicles to assess the distribution and abundance of reef-associated elasmobranchs. Save our Seas Foundation, 2014-2015, \$6,000.

Grants awarded to graduate students

Jessica Cardé – GPSC travel grant - \$500

Jessica Cardé – CASE Travel grant - \$300

Aarin-Conrad Allen – Susan S. Levine Trust (FIU Tropics) - \$8,000

Aarin-Conrad Allen – FIU CREST research fellowship – 6 semesters RA (equivalent \$54,000)

Alexandra Pfeiffer – Judith Evans Parker Travel Award - \$990

Anne Knochel – FIU CASE PhD fellowship - \$60,000

OFFICES HELD IN PROFESSIONAL SOCIETIES

2020-present: Associate Editor, *Endangered Species Research* (edited 5 manuscripts)

2018-present: Associate Editor, *Frontiers in Marine Science* (edited over 20 manuscripts)

2021-2022: Guest Editor, *Wildlife Research* (special topic on drones, edited 2 manuscripts)

2005-present: Member of the Society for Marine Mammalogy

2006-present: Member of the Cetacean Specialist Group, IUCN (International Union for the Conservation of Nature) Species Survival Commission

2019-present: Member of the Scientific Committee of the International Whaling Commission

OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE

Scientific conferences and professional workshops

2017-2022: Co-chair of the 24th Conference on the Biology of Marine Mammals, Palm Beach, 1-5 August 2022

2015: Marine mammal bycatch assessment and mitigation in global small-scale fisheries. Biennial Conference on the Biology of Marine Mammals, San Francisco, December 2015, workshop organizer

2007: Marine mammal bycatch in global small-scale fisheries, workshop co-organizer

2006: Bycatch of marine mammals and other megafauna in the western Indian Ocean, Mayotte, August 2006 (funded by the Western Indian Ocean Marine Science Association), workshop organizer

Departmental service

Since 2020: Marine Science Seminar organizer (with Justin Campbell)

2022: Chair, search committee Assistant/Associate Professor in Conservation Biology (TCI)

2019-2020: FIU Tropics Award, application reviewer

2019-2022: Biosymposium judge

2020: Differential assignment committee member

2019-2021: Senior seminar paper/presentation reviewer

Professional service

2020-2023: co-supervisor for PhD dissertation of Jonathan Syme (Flinders University, Australia)

2019-2022: external examiner for two PhD dissertations and one MSc dissertation

Proposal reviews: National Research Foundation (South Africa), Western Indian Ocean Marine Science Association

Journal referee:

Biological Conservation; Oecologia; Rapid Communication in Mass Spectrometry; Remote Sensing; Proceedings of the Royal Society B; Ecology; Science of the Total Environment; PloS One; Behavioural Ecology; Fish and Fisheries; Marine Ecology Progress Series; Ecological Applications; Ecology and Evolution; Continental Shelf Research; Marine Biology; Progress in Oceanography; Journal of Mammalogy; Journal of Fish Biology; Journal of Experimental Marine Biology and Ecology; Behaviour; Endangered Species Research; Marine Mammal Science; Journal of Fish Biology; Aquatic Conservation: Marine and Freshwater Ecosystems; Marine Environmental Research; Diseases of Aquatic Organisms; Marine and Freshwater Research; Science of the Total Environment; Deep Sea Research Part II; Animal Welfare; Canadian Journal of Zoology; Journal of the Marine Biological Association, UK; African Journal of Marine Science; African Journal of Ecology; Marine Biodiversity Records; Latin American Journal of Aquatic Mammals; Wildlife Research.

Over the past 4 years (2018-2022), I have reviewed over 60 manuscripts.

Outreach and news:

2021: participant BBC documentary on blue whales (team member, scientific advisor)

2021: Local 10 News: Miami dolphins face challenging times in Biscayne Bay,

<https://www.youtube.com/watch?v=kpOELAJDOaQ&t=38s>

2019-present: scientific advisor, OceanX project

Since 2022: scientific advisor, Blue Planet 3

2016: Discovery Channel, Shark Week (scientific advisor, participant)

Teaching:

Fall 2013-present: Biology of Marine Mammals (OCB4303), 50-60 students each semester. I designed this online class that was previously taught in person (M. Heithaus).

Spring 2021-present: Coastal Marine Conservation (OCB4070), 60 students (Spring 2021, zoom), 15 students (Spring 2022, in person, BBC). I have designed the content of this course (previously taught by D. Chapman, but with different content).

Spring 2019-present: Wildlife Conservation in the Caribbean region (PCB4932, 4 students and BSC5935, 2 graduate students). Course funded by the National Science Foundation (International Research Experience for Students, IRES program). We take 6 students for 3 semesters (preparation in Spring, 7 weeks of field work in Summer, post-field course in Fall). I have designed the whole content of this class with C. Gomes (Tropical Conservation Institute)

Mentoring:

Postdoctoral fellows

Michelle Caputo (2019-present)

Germain Boussarie (2020-2021)

PhD students

Jessica Cardé – Major advisor

Enrico Corsi – Major advisor

Aarin-Conrad Allen – Major advisor

Alexandra Pfeiffer – Major advisor

Anna Knochel – Major advisor

Jonathan Syme – Co-advisor (Flinders University, Australia)

Brianna Elliott – Committee member (Duke University)

Nicholas Tucker – Committee member

Brendan Talwar – Committee member

Liberty Boyle – Committee member

Matthew Woodstock – Committee member

Valeria Paz – Committee member

Pamela Carzon – Committee member (University of Perpignan, France)

Masters' students

Janis Argeswara – Major advisor (Fulbright grant)

Delphine Duval – Major advisor

Andrea Otalora – Committee member

Ginevra Boldrocchi – Committee member (NSU)

Undergraduate students

Supervised over 15 undergraduate students (both in the field and at the laboratory, since 2016)