

HANNAH VANDER ZANDEN

University of Florida, Department of Biology
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Google Scholar, ORCID 0000-0003-3366-5116

EDUCATION

- 2006 – 2012 PhD in Zoology, University of Florida, Gainesville, Florida
Department of Biology
- 1999 – 2003 BA in Biology, Pomona College, Claremont, California
Honors in Senior Thesis, Minor in Spanish

ACADEMIC APPOINTMENTS

- 2017 – Assistant Professor, Department of Biology & Archie Carr Center for Sea Turtle Research, University of Florida

PROFESSIONAL EXPERIENCE

- 2016 – 2017 Ecologist, Forest and Rangeland Ecosystem Science Center, U.S. Geological Survey
- 2015 – 2016 Research Assistant Professor, Global Change & Sustainability Center, and Department of Geology & Geophysics, University of Utah
- 2013 – 2014 Postdoctoral Fellow, Inter-university Training for Continental-Scale Ecology Program, Global Change & Sustainability Center and Department of Geology & Geophysics, University of Utah
- 2012 – 2013 Stolarz Conservation Fellow (Postdoctoral Associate), Department of Biology, University of Florida
- 2003 – 2005 Natural Resource Management Extension Agent, US Peace Corps in Senegal

GRANTS/FELLOWSHIPS

- 2022 – 2023 National Institute of Justice. Compound-specific stable isotope ratios in human keratin tissues for travel history reconstruction and region-of-origin determination. PI: C Mancuso, Co-PIs: S Newsome and HB Vander Zanden. UF budget \$18,819 of \$320,732
- 2020 – 2024 Florida RESTORE Act Centers of Excellence Program. Tissue clocks: new methods for aging and decoding sea turtle life histories. PI: HB Vander Zanden, Co-PIs: WF Patterson, III and DD Chagaris. \$395,365
- 2020 – 2022 US Fish and Wildlife Service, Migratory Bird Joint Ventures. Evaluating hydrogen stable isotopes for identifying breeding areas of harvested sea ducks. PI: DM Nelson, Co-PIs, TE Katzner and HB Vander Zanden. UF budget: \$13,266 of \$39,937.
- 2020 – 2022 Gulf Research Program of the National Academies of Science and Engineering. Moving upstream: Quantifying material flow between estuaries and coastal rivers. PI: CJ Patrick, Co-PI: HB Vander Zanden. UF budget: \$34,853 of \$129,215
- 2019 – 2021 US Geological Survey G19AC00373: Habitat partitioning of sea turtle species at a temperate foraging ground. PI: HB Vander Zanden. \$59,500

- 2018 – 2020 National Academies Gulf Research Program Early-Career Research Fellowship: Spatial ecology and movement of marine megafauna in the Gulf of Mexico. PI: HB Vander Zanden. \$76,000
- 2018 US Geological Survey G18AC00051: Renewable energy impacts to wildlife. PI: HB Vander Zanden. \$27,450
- 2016 – 2021 NSF DBI 1565128: Collaborative Research: ABI Development ORIGIN: Origin Inference from Geospatial Isotope Networks. PI: GJ Bowen, Co-PI: HB Vander Zanden. UofU budget \$719,632
- 2012 Florida Sea Turtle Grant Program 12-027R: Using long-term isotopic records to reveal loggerhead foraging patterns in the Gulf of Mexico. PI: KA Bjorndal. \$25,386
- 2011 UF Association for Academic Women: Lockhart Dissertation Fellowship. \$1,000
- 2010 PADI Foundation 4067: Ecology of individuals: sea turtle dietary specialization. \$6,100
- 2010 Sigma Xi Grant in Aid of Research: Loggerhead dietary specialization. \$400
- 2010 UF Department of Biology John Paul Olowo Memorial Research Grant. \$300
- 2009 UF Graduate Student Council Research Award. \$250
- 2007 NSF Graduate Research Fellowship. \$122,500
- 2005 USAID Small Project Assistance Grant for local project in Senegal. \$2,200

PUBLICATIONS (^Uundergraduate student coauthor, ^Ggraduate student coauthor, [#]co-first or co-last author)

2023

38. Hardeman Jr. DW, **Vander Zanden HB**, McCown JW, Scheick BK, McCleery RA. Black bear behavior and movements are not definitive measures of anthropogenic food use. *Animals*. 13(5): 950. <https://doi.org/10.3390/ani13050950>.
37. Derville S, Torres LG, Newsome SD, Somes CJ, Valenzuela LO, **Vander Zanden HB**, Baker CS, Bérubé M, Busquets-Vass G, Carlyon K, Childerhouse SJ, Constantine R, Dunshea G, Flores PAC, Golsdworthy S, Graham B, Groch K, Gröcke D, Harcourt R, Hindell MA, Hulva P, Jackson JA, Kennedy AS, Lundquist D, Mackay A, Neveceralova P, Olivera L, Ott PH, Palsbøll PJ, Patenaude N, Rowntree V, Sironi M, Vermeulen E, Watson M, Zerbini AN, Caroll EL. (2023) Long-term stability in the circumpolar foraging range of a Southern Ocean predator between eras of whaling and rapid climate change. *Proceedings of the National Academy of Sciences*. 120(10) e2214035120. <https://doi.org/10.1073/pnas.2214035120>.

2022

36. Campbell CJ^G, Nelson DM, Gates JE, Gibbs HL, Stevenson ER, Johnson B, Nagel J, Trott R, Wieringa JG, **Vander Zanden HB**. (2022) White-nose syndrome pathogen detected on migratory tree-roosting bats. *Journal of Wildlife Diseases*. 58(3): 652-657. <https://doi.org/10.7589/JWD-D-21-00160>.
35. Conkling TJ, **Vander Zanden HB**, Allison TD, Diffendorfer JE, Dietsch TV, Duerr AE, Fesnock AL, Hernandez RR, Loss SR, Nelson DM, Sanzenbacher PM, Yee JL, Katzner TE. (2022) Vulnerability of avian populations to renewable energy production. *Royal Society Open Science*. 9(3): 211588. <https://doi.org/10.1098/rsos.211588>.
34. Contina A, Magozzi S, **Vander Zanden HB**, Bowen GJ, Wunder MB. Optimizing stable isotope sampling design in terrestrial movement ecology. (2022) *Methods in Ecology and Evolution*. 13(6): 1237-1249. <https://doi.org/10.1111/2041-210X.13840>.

2021

33. Pagès Barceló L, Seminoff JA, **Vander Zanden HB**, Jones TT, Bjørndal KA, Bolten AB, Mustin W, Busquets-Vass G, Newsome SD. (2021) Hydrogen isotope assimilation and discrimination in green sea turtles (*Chelonia mydas*). *Journal of Experimental Biology*. 224(7): jeb231431. doi: [10.1242/jeb.231431](https://doi.org/10.1242/jeb.231431)
32. Magozzi S, Bataille CP, Hobson KH, Wunder MB, Howa JD, Contina A, **Vander Zanden HB**, Bowen GJ. (2021) Calibration chain transformation improves the comparability of organic hydrogen and oxygen stable isotope data. *Methods in Ecology and Evolution*. doi: [10.1111/2041-210X.13556](https://doi.org/10.1111/2041-210X.13556)

2020

31. Magozzi S, **Vander Zanden HB**, Wunder MB, Trueman CN, Pinney K, Peers D, Dennison PE, Horns JJ, Şekercioğlu ÇH, Bowen GJ. (2020) Combining models of environment, behavior, and physiology to predict tissue hydrogen and oxygen isotope variance among individual terrestrial animals. *Frontiers in Ecology and Evolution*. 8: article 536109. doi: [10.3389/fevo.2020.536109](https://doi.org/10.3389/fevo.2020.536109)
30. Ma C, **Vander Zanden HB**, Wunder MB, Bowen GJ (2020) *assignR*: An R package for isotope-based geographic assignment. *Methods in Ecology and Evolution*. 11(8), 996-1001. doi: [10.1111/2041-210X.13426](https://doi.org/10.1111/2041-210X.13426)
29. Campbell CJ⁶, Fitzpatrick MC, **Vander Zanden HB**, Nelson DM. (2020) Advancing interpretation of stable isotope assignment maps: comparing and summarizing origins of known-provenance migratory bats. *Animal Migration*. 7(1), 27-41. doi: [10.1515/ami-2020-004](https://doi.org/10.1515/ami-2020-004)
28. Pfaller JB[#], Pajuelo M[#], **Vander Zanden HB**, Andres KM, Dodd MG, Godfrey MH, Griffin DB, Ondich BL, Pate SM, Williams KL, Shamblin BM, Nairn CJ, Bolten AB, Bjørndal KA. (2020) Identifying foraging-area origins in breeding aggregations of migratory species: loggerhead turtles in the Northwest Atlantic. *PLOS ONE*. 15(4): e0231325. doi: [10.1371/journal.pone.0231325](https://doi.org/10.1371/journal.pone.0231325)
27. Katzner TE, Braham MA, Conkling TJ, Diffendorfer JE, Duerr AE, Loss SR, Nelson DM, **Vander Zanden HB**, Yee JL. (2020) Assessing population-level consequences of anthropogenic stressors on terrestrial wildlife. *Ecosphere*. 11:e03046. doi: [10.1002/ecs2.3046](https://doi.org/10.1002/ecs2.3046)

2019

26. Katzner TE, Nelson DM, Diffendorfer JE, Duerr AE, ⁶Campbell CJ, Leslie D, **Vander Zanden HB**, Yee JL, Sur M, Huso MMP, Braham MA, Morrison ML, Loss SR, Poessel SA, Conkling TJ, Miller TA. (2019) Wind power: An ecological challenge. *Science*. 366: 1206-1207. doi: [10.1126/science.aaz9989](https://doi.org/10.1126/science.aaz9989)
25. Magozzi S, **Vander Zanden HB**, Wunder MB, Bowen GJ. (2019) Mechanistic model predicts tissue-environment relationships and trophic shifts in animal hydrogen and oxygen isotope ratios. *Oecologia*. 191(4): 777-789. doi: [10.1007/s00442-019-04532-8](https://doi.org/10.1007/s00442-019-04532-8)

2018

24. **Vander Zanden HB**[#], Chaffee CL[#], González-Rodríguez A, Flockhart DTT, Norris DR, Wayne ML. (2018) Alternate migration strategies of eastern monarch butterflies (*Danaus plexippus*) revealed by stable isotopes. *Animal Migration*. 5: 74-83. doi: [10.1515/ami-2018-0006](https://doi.org/10.1515/ami-2018-0006)
23. **Vander Zanden HB**, Nelson DM, Wunder MB, Conkling TJ, Katzner TE. (2018) Application of stable isotopes to determine geographic origin of terrestrial wildlife for conservation and management. *Biological Conservation*. 288:268-280. doi: [10.1016/j.biocon.2018.10.019](https://doi.org/10.1016/j.biocon.2018.10.019)
22. **Vander Zanden HB**, Reid A, Katzner TE, Nelson DM. (2018) Effect of heat and singeing on stable hydrogen isotope ratios of feathers and implications for their use in determining geographic origins. *Rapid Communications in Mass Spectrometry*. 32:1859-1866. doi: [10.1002/rcm.8253](https://doi.org/10.1002/rcm.8253)

2017

21. *Price JT, Pfaller JB, **Vander Zanden HB**, Williams KL, Bolten AB, Bjorndal KA. (2017) Foraging area, not trophic position, linked to head size variation in adult female loggerheads. *Journal of Zoology*. 302: 279-287. doi: [10.1111/jzo.12456](https://doi.org/10.1111/jzo.12456)
20. Magozzi S, Yool A, **Vander Zanden HB**, Wunder MB, Trueman CN. (2017) Using ocean models to predict spatial and temporal variation in carbon isoscapes. *Ecosphere*. 8: e0173. doi: [10.1002/ecs2.1763](https://doi.org/10.1002/ecs2.1763)

2016

19. Rees AF, Alfaro-Shigueto J, Barata PCR, Bjorndal KA, Bolten AB, Bourjea J, Broderick AC, Campbell LM, Cardona L, Carreras C, Casale P, Ceriani SA, Dutton PH, Eguchi T, Formia A, Fuentes MMPB, Fuller WJ, Girondot M, Godfrey MH, Hamann M, Hart KM, Hays GC, Hochscheid S, Kaska Y, Jensen MP, Mangel JC, Mortimer JA, Naro-Maciel E, Ng CKY, Nichols WJ, Phillott AD, Reina RD, Revuelta O, Schofield G, Seminoff JA, Shanker K, Tomás J, van de Merwe JP, Van Houtan KS, van de Merwe J, **Vander Zanden HB**, Wallace BP, Wedemeyer-Strombel KR, Work TM, Godley BJ. (2016) Are we working towards global research priorities for management and conservation of sea turtles? *Endangered Species Research*. 31: 337-382. doi: [10.3354/esr00801](https://doi.org/10.3354/esr00801)
18. **Vander Zanden HB**, Bolten AB, Tucker AD, Hart KM, Lamont MM, Fujisaki I, Reich KJ, Addison DS, Mansfield KL, Phillips K, Pajuelo M, Bjorndal KA. (2016) Biomarkers reveal sea turtles remained in oiled areas following the *Deepwater Horizon* oil spill. *Ecological Applications*. 26: 2145-2155. doi: [10.1002/eap.1366](https://doi.org/10.1002/eap.1366)
17. **Vander Zanden HB**, Soto DX, Bowen GJ, Hobson KA. (2016) Expanding the isotopic toolbox: applications of hydrogen and oxygen stable isotope ratios for food web studies. *Frontiers in Ecology and Evolution*. 4:20. doi: [10.3389/fevo.2016.00020](https://doi.org/10.3389/fevo.2016.00020)

2015

16. **Vander Zanden HB**, Wunder MB, Hobson KA, Van Wilgenburg SL, Wassenaar LI, Welker JM, Bowen GJ. (2015) Space-time tradeoffs in the development of precipitation-based isotope models for determining migratory origin. *Journal of Avian Biology*. 46: 658-667. doi: [10.1111/jav.00656](https://doi.org/10.1111/jav.00656)
15. **Vander Zanden HB**, Tucker AD, Hart KM, Lamont MM, Fujisaki I, Addison DS, Mansfield KL, Phillips K, Wunder MB, Bowen GJ, Pajuelo M, Bolten AB, Bjorndal KA. (2015) Determining foraging area origin in a migratory marine vertebrate by integrating stable isotope analysis and satellite tracking: a novel approach. *Ecological Applications*. 25: 320-335. doi: [10.1890/14-0581.1](https://doi.org/10.1890/14-0581.1)

2014

14. ^UKaufman TJ, Pajuelo M, Bjorndal KA, Bolten AB, Pfaller JB, Williams KL, **Vander Zanden HB**. (2014) Mother-egg stable isotope conversion factors and effects of lipid extraction and ethanol preservation on loggerhead eggs. *Conservation Physiology*. 2:cou049 doi: [10.1093/conphys/cou049](https://doi.org/10.1093/conphys/cou049)
13. **Vander Zanden HB**, Wunder MB, Hobson KA, Van Wilgenburg SL, Wassenaar LI, Welker JM, Bowen GJ. (2014) Contrasting assignment of migratory organisms to geographic origins using long-term versus year-specific precipitation isotope maps. *Methods in Ecology and Evolution*. 5: 891-900. doi: [10.1111/2041-210X.12229](https://doi.org/10.1111/2041-210X.12229)
12. **Vander Zanden HB**, Tucker AD, Bolten AB, Reich KJ, Bjorndal KA. (2014) Stable isotopic comparison between loggerhead sea turtle tissues. *Rapid Communications in Mass Spectrometry*. 28: 2059-2064. doi: [10.1002/rcm.6995](https://doi.org/10.1002/rcm.6995)
11. Bowen GJ, Liu Z, **Vander Zanden HB**, Zhao L, Takahashi G. (2014) Geographic assignment with stable isotopes in IsoMAP. *Methods in Ecology and Evolution*. 5:201-206. doi: [10.1111/2041-210X.12147](https://doi.org/10.1111/2041-210X.12147)

10. **Vander Zanden HB**, Pfaller JB, Reich KJ, Pajuelo M, Bolten AB, Williams KL, Frick MG, Shamblin BM, Nairn CJ, Bjorndal KA. (2014) Different foraging areas affect reproductive output and interpretation in trends in abundance of loggerhead turtles. *Marine Biology*, 161:585-598. doi: [10.1007/s00227-013-2361-y](https://doi.org/10.1007/s00227-013-2361-y)

2013

9. **Vander Zanden HB**, Bjorndal KA, Bolten AB. (2013) Temporal consistency and individual specialization in resource use by green turtles in successive life stages. *Oecologia*. 173:767–777. doi: [10.1007/s00442-013-2655-2](https://doi.org/10.1007/s00442-013-2655-2)
8. **Vander Zanden HB**, Arthur KE, Bolten AB, Popp BN, Lagueux CJ, Harrison E, Campbell CL, Bjorndal KA. (2013) Trophic ecology of a green turtle breeding population. *Marine Ecology Progress Series*. 476: 237-249. doi: [10.3354/meps10185](https://doi.org/10.3354/meps10185)

2012

7. Pajuelo M, Bjorndal KA, Reich KJ, **Vander Zanden HB**, Hawkes LA, Bolten AB. (2012) Assignment of nesting loggerhead turtles to their foraging areas in the Northwest Atlantic using stable isotopes. *Ecosphere*. 3:art89. doi: [10.1890/ES12-00220.1](https://doi.org/10.1890/ES12-00220.1)
6. **Vander Zanden HB**, Bjorndal KA, Mustin W, Ponciano JM, Bolten AB. (2012) Inherent variation in stable isotope values and discrimination factors in two age-classes of green turtles. *Physiological and Biochemical Zoology*. 85:431-441. doi: [10.1086/666902](https://doi.org/10.1086/666902)
5. ¹³C Frankel NS, **Vander Zanden HB**, Reich KJ, Williams KL, Bjorndal KA. (2012) Maternal-offspring stable isotope discrimination in loggerhead sea turtles (*Caretta caretta*). *Endangered Species Research*. 17:133-138. doi: [10.3354/esr00412](https://doi.org/10.3354/esr00412)
4. **Vander Zanden HB**, Bjorndal KA, Inglett PW, Bolten AB. (2012) Marine-derived nutrients from green turtle nests subsidize terrestrial beach ecosystems. *Biotropica*. 44: 294-301. doi: [10.1111/j.1744-7429.2011.00827.x](https://doi.org/10.1111/j.1744-7429.2011.00827.x)

2010 and prior

3. **Vander Zanden HB**, Bjorndal KA, Reich KJ, Bolten AB. (2010) Individual specialists in a generalist population: results from a long-term stable isotope series. *Biology Letters*. 6: 711-714. doi: [10.1098/rsbl.2010.0124](https://doi.org/10.1098/rsbl.2010.0124)
2. Hou C, Kaspari M, **Vander Zanden HB**, Gillooly, JF. (2010) The energetic basis of colonial living in social insects. *Proceedings of the National Academy of Sciences*. 107: 3634-3638. doi: [10.1073/pnas.0908071107](https://doi.org/10.1073/pnas.0908071107)
1. Möllhoff M, **Vander Zanden HB**, Shiflett PR, and G Gupta. (2005) Modeling of receptor mimics that inhibit superantigen pathogenesis. *Journal of Molecular Recognition*. 18: 73-83. doi: [10.1002/jmr.684](https://doi.org/10.1002/jmr.684)

OTHER CONTRIBUTIONS

5. Conkling TJ, **Vander Zanden HB**, Poessel S, Loss SR, Allison TD, Diffendorfer JE, Duerr AE, Nelson DM, Yee JL, Katzner TE. Learning from real-world experience to understand renewable energy impacts to wildlife. (2020) Energy Research and Development Division Final Research Report. California Energy Commission. Publication Number: CEC-500-2020-012. <https://pubs.er.usgs.gov/publication/70209127>
4. García-Cruz MA, Campbell C, Bjorndal KA, Cardona Pascual L, Rodríguez-Clark KM, Lampo M, **Vander Zanden HB**, Fuentes MMPB, Pibernat L, Solorzano E, Bolten AB. (2018) Solving the mysteries of male turtles in the Caribbean. *The State of the World's Sea Turtles Report XIII*: 10-11. <https://www.seaturtlestatus.org/swot-report-13/>
3. Love M, Robbins C, Baldera A, Eastman S, Bolten AB, Hardy R, Herren R, Metz T, **Vander Zanden HB**, Wallace B. (2017) Restoration without borders: An assessment of cumulative stressors to guide large-scale, integrated restoration of sea turtles in the Gulf of Mexico. Ocean Conservancy

- Report. https://oceanconservancy.org/wp-content/uploads/2017/10/Restoration_without_Borders.pdf
2. **Vander Zanden HB**, Chesson LA. (2017) Stable isotope data interpretation: forensic applications and examples. Carter JF and Chesson LA (editors) *Food Forensics: Stable Isotopes as a Guide to Authenticity and Origin*. CRC Press.
 1. **Vander Zanden HB**. (2014) Invisible records reveal new understandings. *The State of the World's Sea Turtles*. Report IX: 28-29. seaturtlestatus.org/sites/swot/files/report/042814_SWOT9_28-29_Vander_Zanden.pdf

AWARDS

- | | |
|------|---|
| 2012 | Graduate Student Mentor Award, UF HHMI Science for Life Program |
| 2011 | Best Student Poster Award, International Symposium on Sea Turtle Biology and Conservation |
| 2011 | Graduate Student Service Award, UF Department of Biology |
| 2011 | Best Graduate Student Paper Honorable Mention, UF Department of Biology |
| 2010 | Graduate Student Presentation Honorable Mention, UF Marine Biology Symposium |
| 2010 | Best image in Elegance in Science Photo Contest, UF Marston Library |

TRAVEL GRANTS

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| 2013 | Postdoc Travel Assistance Award, UofU Graduate School |
| 2011 – 2012 | Travel Grant, UF College of Liberal Arts and Sciences (2x) |
| 2007 – 2011 | Travel Grant, UF Department of Biology/Zoology (5x) |
| 2007 – 2012 | Travel Award, UF Graduate Student Council (4x) |

TEACHING EXPERIENCE

University of Florida (instructor of record)

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| BSC 2011 | Integrated Principles of Biology II (S2019, S2021, S2023) |
| PCB4043C | General Ecology (F2017, F2018, F2021) |
| PCB6049 | Seminar in Ecology (F2021) |
| ZOO4926 | Animal Migration: Journeys by Air, Land, and Water (F2022) |
| ZOO6927 | Stable Isotope Ecology (S2020, S2022) |

University of Utah

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| SPATIAL | Isotopes in Spatial Ecology and Biogeochemistry, Laboratory Instructor (2013 – 2015 summer) |
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University of Florida (graduate student)

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| BSC2010L | Integrated Principles of Biology I Lab, Graduate Instructor (F2006) |
| BSC2011L | Integrated Principles of Biology II Lab, Online Graduate Assistant (F 2011, Sum2012); Graduate instructor (S2007, Sum2007) |
| GLY3083C | Fundamentals of Marine Science, Course Coordinator (S2013) |
| PCB4043C | General Ecology Lab, Graduate Instructor (S2012) |
| ZOO6927 | Special topics Stable Isotope Ecology, Organizer (F2008) |

Other

2006 spring Environmental Educator, Nature's Classroom, Andover, CT
 2004 – 2005 Environmental Education with Girls' Club, Senegal

Training

2021 Certificate in Multi-Cultural Mentoring, University of Florida
 2020 Disability Allyship Training, University of Florida Disability Resource Center
 2020 Ally Skills Workshop, Gainesville Ally Skills Network
 2020 Great Online Teaching Badge, University of Florida Center for Teaching Excellence
 2007 fall Completed UF Teaching Assistant Development Program in Pedagogy

MENTORSHIPPostdoctoral researchers

Amy Wallace (2020 – 2022)

Chair, graduate supervisory committee

Tyler Bowling (2023 – present, PhD)
 Kathryn Davis (2021 – present, PhD)
 Christopher Nolte (2021 – present, PhD)
 Carson Arends (2019 – 2021, MS)
 Caitlin (CJ) Campbell (2018 – present, PhD)

Member, graduate supervisory committee

Kimberly Robertson (2023 – present, PhD) UF Department of Anthropology
 Joshua Benjamin (2022 – present, PhD) UF Department of Biology
 Renato Saragoça Bruna (2022 – present, PhD) UF Department of Biology
 Nikki Yetke (2021 – 2023, MS) UF Department of Biology
 Shanae Allen (2021 – present, PhD) UF Department of Fisheries and Aquatic Science
 Beverly Barnett (2021, PhD) UF Department of Fisheries and Aquatic Science
 Michael Belitz (2020 – present, PhD) UF Department of Biology
 Brianna Michaud (2020 – 2022, PhD) University of South Florida College of Marine Sciences
 Derek Chamberlin (2019 – 2022, PhD) UF Department of Fisheries and Aquatic Sciences
 Jessica Farrell (2018 – 2022, PhD) UF Department of Biology
 Justin Lewis (2018 – 2022, PhD) UF Department of Fisheries and Aquatic Science
 Caroline Quanbeck (2017 – 2019, MS) UF Department of Geology
 James Waxe (2017 – 2022, MS) Department of Ecology, Montana State University, Bozeman, MT
 Ana Talavera Sáenz (2013 – 2016, PhD) CICIMAR-IPN: Interdisciplinary Center of Marine Sciences, La Paz, México

Independent research supervisor

Don Hardeman (spring 2018) Stable Isotope Ecology in Wildlife Research

Undergraduate students (*underrepresented minority in STEM)

Jenna Bennett* (fall 2021 – present); Honor's Thesis
 Saahir Mukherjee (summer 2018 – spring 2021)
 Diana Rodas* (summer 2017 – spring 2019); University Scholars Program
 Marisa Pico* (fall 2017 – spring 2018)
 Nicole Raudsepp* (summer 2017)

Margaret Odom-Tomchin (fall 2015 – spring 2017)
 Simone Jackson* (summer 2015 – summer 2016)
 Temma Kaufman (summer 2012 – summer 2014); Summa Cum Laude for Honor's Thesis and first author on peer-reviewed paper under my direction
 Leah Fischer (spring 2013)
 Joslyn Armstrong* (summer and fall 2011)
 Sophia Caccitore (fall 2010 – spring 2011)
 Alice Chow (summer 2010)
 Nicole Frankel (fall 2009 – spring 2011); first author on peer-reviewed paper under my direction

High school students

Abby Reid (summer 2017)

GRANTS TO SUPERVISED STUDENTS

2023 – 2024	UFBI Fellows Program (\$12,500 and tuition) to Christopher Nolte
2023	CLAS Dissertation Fellowship (\$8,000 and tuition) to CJ Campbell
2023	Frank Maturo Excellence Fund Award (\$2,500) to Tyler Bowling
2023	Cynthia A. Melnick Memorial Fund Award (\$2,000) to Christopher Nolte
2023	Brian Riewald Memorial Fund Research Grant (\$300) to Christopher Nolte
2022 – 2023	UFBI Fellows Program (\$21,000 and tuition) to CJ Campbell
2022 – 2023	Sigma Xi Grants in Aid of Research (\$850) to Christopher Nolte
2022	UFBI Summer Fellows Program (\$4,000) to Christopher Nolte
2022	UFBI Summer Fellows Program (\$4,000) to Kate Davis

INVITED TALKS

2022	IsoEcol Plenary, Gaming, Austria
2022	International Sea Turtle Symposium student workshop panelist, Virtual
2019	Louisiana State University, College of the Coast & Environment, Baton Rouge, LA
2019	University of Idaho, Department of Fish and Wildlife Sciences, Moscow, ID
2019	University of Florida, Department of Fisheries & Aquatic Sciences, Gainesville, FL
2018	Montana State University, Department of Ecology, Bozeman, MT
2018	University of Florida, Whitney Marine Lab, St. Augustine, FL
2015	Trinity College Dublin, Department of Biology, Dublin, Ireland
2015	University of South Alabama, Department of Marine Sciences, Mobile, AL
2015	University of Oklahoma, Department of Biology, Norman, OK
2015	Florida International University, Department of Biological Sciences, Miami, FL
2015	University of South Florida, College of Marine Sciences, St. Petersburg, FL
2015	Doñana Biological Station, Department of Conservation Biology, Seville, Spain
2014	University of Denver, Department of Geography and the Environment, Denver, CO
2014	University of Alaska, Department of Biological Sciences, Fairbanks, AK
2013	University of Colorado, Department of Integrative Biology, Denver, CO
2012	University of Florida, Marine Biology Club, Gainesville, FL

CONFERENCE PRESENTATIONS (^Uundergraduate student coauthor, ^Ggraduate student coauthor, ^PPostdoctoral coauthor)

Oral presentations

2023

64. Wallace AAP^P, Bennett J, Avens L, Patterson III WF, **Vander Zanden HB**. (2023) Estimating scute growth rates using radiocarbon analysis. *International Sea Turtle Symposium*. Cartagena, Colombia
63. Bennett J^U, Wallace A, Patterson III W, **Vander Zanden HB**. (2023) Validating radiocarbon aging in sea turtle hatchling eye lenses. *Southeast Regional Sea Turtle Meeting*. Orange Beach, AL
62. Arends C^G, Lamont M, **Vander Zanden HB**. Variation in resource partitioning of three sea turtle species at a temperate foraging ground. *Apalachicola NERR Symposium*. Apalachicola, FL

2022

61. Campbell CJ^G, Belitz MW, Guralnick RP, Fletcher RJ, **Vander Zanden HB**. (2022) High-resolution seasonally-explicit distribution models reveal bat migration at the macroecological scale. *North American Society for Bat Research*, Austin, TX
60. Jayarajan A, Campbell CJ^G, **Vander Zanden HB**. (2022) Project BatCast: forecasting emergences as a vehicle for conservation. *North American Society for Bat Research*, Austin, TX
59. **Vander Zanden HB**. (2022) Spatial and temporal isotopic histories reveal patterns in animal migration and ecology *International Conference on the Applications of Stable Isotope Techniques to Ecological Studies*, Gaming, Austria (Invited plenary)
58. Groff CM, Kinard SK, Hogan D, Whiles MR, **Vander Zanden HB**, Ulseth AJ, Reese BK, Strickland BA, Carvallo F, Jenkins V, Solis AT, Groff DA, Frazier C, Brown CL, Patrick CJ. (2022) Food webs under a changing climate: Do precipitation regime and top-down control drive fish community composition and trophic structure in Texas coastal streams? *Joint Aquatic Sciences Meeting*, Grand Rapids, MI.
57. Kinard SK, **Vander Zanden HB**, Whiles M, Ulseth AJ, Groff C, Strickland B, Carvallo F, Solis A, Jenkins V, Corbiere DK, Frazier C, Brown C, Hogan JD, Patrick CJ. (2022) Aridity impedes marine nutrient subsidies in subtropical coastal streams. *Joint Aquatic Sciences Meeting*, Grand Rapids, MI.
56. Patrick CJ, Hogan JD, Whiles M, **Vander Zanden HB**, Ulseth AJ, Strickland B, Brown CL, Carvallo F, Frazier C, Groff C, Kinard SK. (2022) Rainy days in the Anthropocene: how changes to the global hydrologic cycle are impacting the ecology of surface waters worldwide. *Joint Aquatic Sciences Meeting*, Grand Rapids, MI.
55. Strickland B, Brown CL, Carvallo F, Frazier C, Groff C, Kinard SK, Whiles M, Ulseth AJ, **Vander Zanden HB**, Hogan JD, Patrick CJ. (2022) Relationships between precipitation regime and secondary production in coastal streams. *Joint Aquatic Sciences Meeting*, Grand Rapids, MI.
54. Ulseth AJ, Brown CL, Carvallo F, Frazier C, Groff C, Kinard SK, Strickland B, Hogan JD, Patrick CJ, **Vander Zanden HB**, Whiles M. Ecosystem metabolism and carbon spiraling in Texas coastal plain streams. (2022) *Joint Aquatic Sciences Meeting*, Grand Rapids, MI.
53. Conkling TJ, **Vander Zanden HB**, Allison TD, Diffendorfer JE, Dietsch TV, Duerr AE, Fesnock AL, Hernandez RR, Loss Sr, Nelson DM, Sanzenbacher PM, Yee JL, Katzner TE. (2022) Vulnerability of avian populations to wind energy production. *Conference on Wind energy and Wildlife impacts (CWW)*, Egmond ann Zee, Netherlands
52. Pfaller J, Pajuelo M, **Vander Zanden HB**, Andrews KM, Dodd MG, Godfrey MH, Griffin DB, Ondich BL, Pate SM, Williams KL, Shamblin BM, Nairn CJ, Bolten AB, Bjorndal KA. (2022) Identifying patterns in foraging-area origins in breeding aggregations of migratory species: loggerhead turtles in the northwest Atlantic. *International Sea Turtle Symposium*, Virtual
51. Fireman AL, Liang D, Stapleton SP, **Vander Zanden HB**, Woodland RJ. (2022) Identifying the isotopic niche of hawksbill sea turtles in Antigua, West Indies. *International Sea Turtle Symposium*, Virtual

50. **Vander Zanden HB**, Wallace AP, Chagaris D, Patterson W. (2022) Tissue clocks: new methods for aging sea turtles. *Florida Restore Act Centers for Excellence All Hands Meeting*, Virtual

2021

49. Katzner TE, Ortiz PA, Hayes C, Conkling TJ, **Vander Zanden HB**. (2021) Frameworks to facilitate assessment of cumulative and population-level consequences to wildlife from fatalities at solar energy facilities. *Solar Power and Wildlife/Natural Resources Symposium*, Virtual

48. Conkling TJ, **Vander Zanden HB**, Allison TD, Diffendorfer JE, Dietsch TV, Duerr AE, Fesnock AL, Hernandez RR, Loss SR, Nelson DM, Sanzenbacher PM, Yee JL, Katzner TE. (2021) Vulnerability of avian populations to solar energy production. *Solar Power and Wildlife/Natural Resources Symposium*, Virtual

47. **Vander Zanden HB**, Nelson DM, Conkling TJ, Allison TD, Diffendorfer JE, Culver RCE, Dietsch TV, Fesnock AL, Loss SR, Ortiz PA, Paulman R, Rogers KH, Sanzenbacher PM, Katzner TE. (2021) The geographic extent of birds affected by solar energy in California. *Solar Power and Wildlife/Natural Resources Symposium*, Virtual

46. Campbell CJ^G and **Vander Zanden HB**. (2021) Assessing the capacity for migratory bats to serve as long-distance vectors of white-nose syndrome pathogen *Pseudogymnoascus destructans*. *Ecological Society of America*, Virtual

45. Kinard S, **Vander Zanden HB**, Whiles MR, Ulseth AJ, Reese BK, Groff CM, Strickland BA, Carvaollo F, Jenkins V, Solis AT, Corbiere DA, Frazier C, Brown CL, Hogan JD, Patrick CJ. (2021) Food-web complexity and basal resource shifts along a precipitation gradient. *Society for Freshwater Science Annual Meeting*, Virtual

44. Groff CM, Patrick CJ, Kinard SK, Whiles MR, **Vander Zanden HB**, Ulseth AJ, Reese BK, Strickland BA, Carvallo F, Jenkins V, Solis AT, Corbiere DA, Frazier C, Brown CL, Hogan JD. (2021) Food webs under a changing climate: Do precipitation regime and top-down control drive community composition and trophic structure in Texas coastal streams? *Society for Freshwater Science Annual Meeting*, Virtual

43. Patrick CJ, Hogan JD, Whiles MR, **Vander Zanden HB**, Ulseth AJ, Strickland BA, Brown CL, Carvallo F, Frazier C, Groff CM, Kinard SK, Solis AT. (2021) Understanding the impacts of changes in rainfall on stream ecosystems: Lessons learned from a natural rainfall gradient in coastal Texas. *Society for Freshwater Science Annual Meeting*, Virtual

42. Campbell CJ^G, Fitzpatrick MC, **Vander Zanden HB**, Nelson DM. The R package 'isocat', a toolset for comparing and summarizing origins of animals inferred from stable isotope data. (2021) *Applications of Stable Isotope Techniques to Ecological Studies (IsoEcol)*, Virtual

41. Magozzi S, **Vander Zanden HB**, Wunder MB, Trueman CN, Bowen GJ. (2021) Combining models of the environment, behavior, and physiology to predict tissue H and O isotope variance among individual terrestrial animals. *Applications of Stable Isotope Techniques to Ecological Studies (IsoEcol)*, Virtual

2020

40. Campbell CJ^G, **Vander Zanden HB**. A framework for predicting migratory behavior and wind-development impacts: Uniting morphological and life-history characteristics with distribution-based migration models. (2020) *Wind Wildlife Research Meeting*, Virtual

39. Conkling TJ, **Vander Zanden HB**, Diffendorfer JE, Duerr AE, Loss SR, Nelson DM, Yee JL, Katzner TE. Demographic impact of avian fatalities at wind energy facilities. (2020) *Wind Wildlife Research Meeting*, Virtual

38. Katzner TE, Braham M, Conkling TJ, Diffendorfer JE, Duerr AE, Loss SR, Nelson DM, **Vander Zanden HB**, Yee J. Assessing population-level consequences of wind energy on birds (2020). *Wind Wildlife Research Meeting*, Virtual

37. Magozzi S, Contina A, Wunder M, **Vander Zanden HB**, Bowen G. (2020) A global compilation of known-origin keratin hydrogen and oxygen isotope data for wildlife and forensic research. *European Geosciences Union Online*, Virtual

2019

36. Katzner TE, Braham M, Conkling TJ, Diffendorfer JE, Duerr AE, Loss SR, Nelson DM, **Vander Zanden HB**, Yee JL. (2019) Assessing population-level consequences of anthropogenic stressors on raptors. *Raptor Research Foundation Annual Conference*, Ft. Collins, CO
35. Fesnock AL, Allison TD, Braham M, Duerr AE, Loss S, Nelson DM, **Vander Zanden HB**, Conkling TJ, Diffendorfer JE, Yee JL, Katzner TE. (2019) Bird conservation and solar energy conflict resolution in the California desert. *American Fisheries Society and The Wildlife Society Joint Annual Conference*, Reno, NV.=
34. Magozzi S, Vander Zanden HB, Wunder MB, Trueman CN, Bowen GJ. Combining models of the environment behavior, and physiology to predict tissue H and O isotope variance among individuals. (2019) *7th Conference of the Forensic Isotope Ratio Mass Spectrometry Network*, San Michele all'Adiage, Italy.
33. Conkling TJ, **Vander Zanden HB**, Allison TD, Diffendorfer JE, Duerr AE, Loss SR, Nelson DM, Yee JL, Katzner TE. (2019) Demographic impact of avian fatalities at wind energy facilities. *Conference on Wind Energy and Wildlife Impacts*, Stirling, UK.
32. Garcia-Cruz M, Campbell CL, Bjorndal KA, Cardona L, Lagueux CJ, Rodríguez-Clark KM, Lampo M, Señaris C, **Vander Zanden HB**, Fuentes MMPB, Carreras C, Vernet P, Bolten AB. (2019) The global male sea turtle initiative: adding males to the conservation equation. *International Symposium on Sea Turtle Biology and Conservation*, Charleston, SC

2018

31. **Vander Zanden HB**, Nelson DM, Conkling TJ, Katzner TE. (2018) A wildlife forensics approach to characterize the geographic footprint of California wind energy effects on avian populations. *Wind Wildlife Research Meeting*, St. Paul, MN
30. Conkling TJ, **Vander Zanden HB**, Allison TD, Diffendorfer JE, Duerr AE, Loss SR, Nelson DM, Yee J, Katzner TE. (2018) Demography of birds killed at wind energy facilities. *Wind Wildlife Research Meeting*, St. Paul, MN
29. García-Cruz MA, Campbell C, Bjorndal KA, Cardona L, Lagueux C, Rodríguez-Clark KM, Lampo M, Señaris C, **Vander Zanden HB**, Fuentes MMPB, Carreras C, Vernet P, and Bolten B. (2018). The global male sea turtle initiative. Mediterranean Sea Turtle Meeting, Porèc, Croatia
28. **Vander Zanden HB**, Nelson DM, Conkling TJ, Katzner TE. (2018) The geographic extent of solar energy effects on California avian populations. *International Conference on Applications of Stable Isotope Techniques to Ecological Studies*, Viña del Mar, Chile
27. Magozzi S, **Vander Zanden HB**, Wunder MB, Trueman CN, Bowen GJ. (2018). How do behavior, the environment, and physiology interact to produce variance in isotopic compositions? *International Conference on Applications of Stable Isotope Techniques to Ecological Studies*, Viña del Mar, Chile
26. Reid A, **Vander Zanden HB**, Katzner TE, Nelson DM. Implications for using singed feathers in determining geographic origin with wildlife forensic approaches. *Association of Field Ornithologists & Wilson Ornithological Society Joint Meeting*, Chattanooga, TN
25. **Vander Zanden HB**, Nelson DM, Conkling TJ, Katzner TE. (2018) The geographic footprint of California solar energy effects on bird populations. *American Ornithology Meeting*. Tucson, AZ.
24. Conkling TJ, **Vander Zanden HB**, Diffendorfer JE, Duerr AE, Loss SR, Nelson DM, Katzner TE. (2018) Demography of birds killed at solar energy facilities. *American Ornithology Meeting*, Tucson, AZ
23. Pajuelo M, Arendt MD, Ceriani S, **Vander Zanden HB**, Bolten AB, Bjorndal KA. (2018) Foraging segregation between two sympatric species of generalist sea turtles revealed with stable isotope analysis. *International Symposium on Sea Turtle Biology and Conservation*, Kobe, Japan

2017

22. Ma C, Bowen GJ, Vander Zanden HB, Wunder MB. (2017) Uncertainty estimation using bootstrapped krigging predictions. *American Geophysical Union*. San Francisco, CA
21. Dalleau M, Lalire M, Tardy C, Al Harthi S, Wilson A, Pereira M, Fernandes R, Nel R, Rakotonirina B, Jaquemet S, Ciccione S, Gaspar P, **Vander Zanden HB**, Bjorndal KA, Bolten AB, Bourjea J. (2017) A regional and multidisciplinary approach to study and protect an endangered species: the loggerhead sea turtle (*Caretta caretta*). *Western Indian Ocean Marine Science Association Symposium*. Dar es Salaam, Tanzania

2016

20. Bowen GJ, Putman A, Oerter EJ, **Vander Zanden HB**, Woo J, Wunder MB, Zhao L. Exploring physical and biological connections using IsoMAP. (2016) *Geological Society of America*, Denver, CO
19. **Vander Zanden HB**, Wunder MB, Bowen GJ. (2016) Effects of ecophysiology on predictions of organismal hydrogen and oxygen isotope composition. *Ecological Society of America*, Fort Lauderdale, FL
18. **Vander Zanden HB**, Wunder MB, Bowen GJ. (2016) Accounting for ecophysiology in predicting animal $\delta^2\text{H}$ and $\delta^{18}\text{O}$ values. *International Conference on Applications of Stable Isotope Techniques to Ecological Studies*, Tokyo, Japan.
17. **Vander Zanden HB**, Bolten AB, Tucker AD, Hart KM, Lamont MM, Fujisaki I, Reich KJ, Addison DS, Mansfield KL, Phillips K, Pajuelo M, Bjorndal KA. (2016) Determining pre-disaster baselines after the disaster: impact of the *Deepwater Horizon* oil spill on sea turtle foraging. *Gulf of Mexico Oil Spill and Ecosystem Science Conference*, Tampa, FL

2015

16. Bowen GJ, Putman A, **Vander Zanden HB**, Good SP, Liu Z, Terzer S, Zhao L, West JB, Revenaugh J, Wilkinson BH. (2015) Leveraging GNIP and investigator research to map isotopic climate: two decades of precipitation isoscapes. *IAEA Isotope Hydrology Symposium*. Vienna, Austria
15. **Vander Zanden HB**, Tucker AD, Hart KM, Lamont MM, Fujisaki I, Addison DS, Mansfield KL, Phillips K, Wunder MB, Bowen GJ, Pajuelo M, Bolten AB, Bjorndal KA. (2015) Stable isotope values in loggerhead scute provide baseline records prior to the oil spill in the Northern Gulf of Mexico. *Florida Marine Turtle Permit Holder Meeting*, Melbourne, FL

2014

14. **Vander Zanden HB**, Wunder MB, Hobson KA, Van Wilgenberg SL, Wassenaar LI, Welker JM, Bowen GJ. (2014) Do year-specific precipitation isoscapes improve predictions of migratory origin? *American Ornithologists' Union, Cooper Ornithological Society, and the Society of Canadian Ornithologists*, Estes Park, CO
13. **Vander Zanden HB**, Wunder MB, Hobson KA, Van Wilgenberg SL, Wassenaar LI, Welker JM, Bowen GJ. (2014) Which water matters: how spatio-temporal characteristics of precipitation isoscapes affect geographic assignments to origin for migratory species. *International Conference on Applications of Stable Isotope Techniques to Ecological Studies*, Perth, Australia
12. **Vander Zanden HB**, Tucker AD, Hart KM, Lamont MM, Fujisaki I, Addison DS, Mansfield KL, Phillips K, Wunder MB, Bowen GJ, Pajuelo M, Bolten AB, Bjorndal KA. (2014) Determining foraging area origin with stable isotope analysis and satellite tracking for loggerheads nesting in the Gulf of Mexico. *International Symposium on Sea Turtle Biology and Conservation*, New Orleans, LA

2013

11. **Vander Zanden HB**, Bjorndal KA, Bolten AB. (2013) Green turtles: creatures of habit. *International Symposium on Sea Turtle Biology and Conservation*, Baltimore, MD

2012

10. **Vander Zanden HB**, Arthur KE, Bolten AB, Popp BN, Lagueux CJ, Harrison E, Campbell CL, Bjorndal KA. (2012) Caribbean green turtle foraging ecology. *International Conference on Applications of Stable Isotope Techniques to Ecological Studies*, Brest, France
9. Bjorndal KA, Pajuelo M, **Vander Zanden HB**, Bolten AB. (2012) Nitrogen and carbon isotopes: where you eat is as important as what you eat. *Comparative Nutrition Society*, Pacific Grove, CA
8. **Vander Zanden HB**, Arthur KE, Bolten AB, Popp BN, Lagueux CJ, Harrison E, Campbell CL, Bjorndal KA. (2012) You are what you eat and where you eat it: interpreting the isotopic niche of the Caribbean green turtle. *International Symposium on Sea Turtle Biology and Conservation*. Huatulco, Mexico

2011

7. **Vander Zanden HB**, Bjorndal KA, Reich KJ, Bolten AB. (2011) Loggerhead specialization revealed by stable isotope analysis. *International Symposium on Sea Turtle Biology and Conservation*, San Diego, CA
6. **Vander Zanden HB**, Bjorndal KA, Mustin W, Bolten A. (2011) Are they all just the same? A study of green turtle inherent isotopic variation. *University of Florida Marine Biology Symposium*, St. Augustine, FL

2010 and prior

5. Bjorndal KA, Pajuelo M, **Vander Zanden HB**, Reich KJ, Bolten AB. (2010) Advances in the development of models of nutritional ecology and life history of sea turtles. *Comparative Nutrition Society*, Tuscon, AZ
4. **Vander Zanden HB**, Bjorndal KA, Reich KJ, Bolten AB. (2010) Loggerhead sea turtles: individual specialists in a generalist population. *International Conference on Applications of Stable Isotope Techniques to Ecological Studies*, Fairbanks, AK
3. **Vander Zanden HB**, Bjorndal KA, Reich KJ, Bolten AB. (2010) Individual specialists in a generalist population: results from a long term stable isotope series. *Benthic Ecology Meeting*, Wilmington, NC
2. **Vander Zanden HB**, Bjorndal KA, Reich KJ, Bolten AB. (2010) Individual specialists in a generalist population. *University of Florida Marine Biology Symposium*, St. Augustine, FL
1. **Vander Zanden HB**. (2003) Implications of humidity, oxygen availability, activity and method of respiration in metabolic rates of *Helix aspera*. Senior Thesis Presentation, Pomona College, Pomona, CA

Poster presentations (^Uundergraduate authors, ^Ggraduate authors)2023

19. Wallace AA^P, Patterson III WF, **Vander Zanden HB**. (2023) Scute growth rate estimates: A radiocarbon analysis. *Southeast Regional Sea Turtle Meeting*. Orange Beach, AL.

2022

18. Bennett J^U, Wallace A, Patterson III W, **Vander Zanden HB**. (2022) Validating radiocarbon aging in sea turtle hatchling eye lenses. *UF Biology URAP Symposium*, Gainesville, FL

2020

17. ^GCampbell CJ, **Vander Zanden HB**. (2020) Cave and mine use by tree-roosting bats. *25th Annual Meeting of the Southeastern Bat Diversity Network*, Athens, GA

2019

16. Gazda SK, ^URodas DP, Vander Zanden HB. (2019) Stable isotope analysis as a tool to investigate foraging and group dynamics in bottlenose dolphins. *World Marine Mammal Conference*, Barcelona, Spain
15. ^URodas DP, Gazda SK, **Vander Zanden HB** (2019) Dolphin foraging decoded with stable isotope analysis. *UF Undergraduate Research Symposium*, Gainesville, FL

2017

14. Ma C, Bowen GJ, **Vander Zanden HB**, Wunder MB. (2017) Uncertainty estimation using bootstrapped kriging predictions for precipitation isoscapes. *American Geophysical Union*, New Orleans, LA

2016

13. Talavera AL, Sánchez A, Ortiz C, **Vander Zanden HB**, Negrete A. (2016) Diet tissue discrimination factors ($\Delta^{13}\text{C}$ and $\Delta^{15}\text{N}$) in captive adult male green turtles (*Chelonia mydas*). *International Symposium on Sea Turtle Biology and Conservation*, Lima, Peru.

2015

12. Talavera AL, Sánchez A, Ortiz C, **Vander Zanden HB**, Herrera R. (2015) Individual variability in resource use within a juvenile green turtle population. *International Symposium on Sea Turtle Biology and Conservation*, Dalaman, Turkey.

2014

11. **Vander Zanden HB**, Pfaller JB, Reich KJ, Pajuelo M, Bolten AB, Williams KL, Frick MG, Shamblin BM, Nairn CJ, Bjorndal KA. (2014) Foraging site matters: differential reproductive output and trends in abundance of loggerheads in the Northwest Atlantic. *International Symposium on Sea Turtle Biology and Conservation*, New Orleans, LA
10. Talavera AL, Sánchez A, Ortiz C, **Vander Zanden HB**. (2014) Feeding patterns of juvenile green turtles (*Chelonia mydas*) from Akumal, Quintana Roo, Mexico. *International Symposium on Sea Turtle Biology and Conservation*, New Orleans, LA
9. ^UKaufman TJ, Pajuelo M, Bjorndal KA, Bolten AB, Pfaller JB, Williams KL, **Vander Zanden HB**. (2014) Mother-egg stable isotope discrimination factors and effects of lipid extraction and ethanol preservation in loggerhead eggs: initial results. *International Symposium on Sea Turtle Biology and Conservation*, New Orleans, LA
8. ^UPrice JT, Pfaller JB, **Vander Zanden HB**, Williams KL, Bolten AB, Bjorndal KA. (2014) Exploring head size variation in adult female loggerhead turtles. *International Symposium on Sea Turtle Biology and Conservation*, New Orleans, LA

2013

7. **Vander Zanden HB**, Hobson KA, Wassenaar LI, Wunder MB, Welker JM, Bowen GJ. (2013) Incorporating climate variability into precipitation isoscapes for interpreting animal migration. *American Geophysical Union*, San Francisco, CA

2012

6. **Vander Zanden HB**, Arthur KE, Bolten AB, Popp BN, Lagueur CJ, Harrison E, Campbell CL, Bjorndal KA. (2012) Interpreting Caribbean green turtle foraging ecology using bulk carbon and nitrogen stable isotope analysis and nitrogen isotopic composition of amino acids. *Ocean Sciences Meeting*, Salt Lake City, UT

2011

5. **Vander Zanden HB**, Bjorndal KA, Bolten A. (2011) Nutrient transport by green turtles. *International Symposium on Sea Turtle Biology and Conservation*, San Diego, CA

2009 and prior

4. **Vander Zanden HB**, Bjorndal KA, Bolten, AB. (2009) Green turtles: nutrient transporters between marine and terrestrial ecosystems. *University of Florida NSF Research Day*, Gainesville, FL
3. **Vander Zanden HB**, Bjorndal KA, Bolten, AB. (2009) Green turtle nesting and the flow of nutrients in the beach ecosystem. *International Symposium on Sea Turtle Biology and Conservation*, Brisbane, Australia
2. **Vander Zanden HB**, Bjorndal KA, Bolten, AB. (2009) Green turtles as nutrient transporters. 1st *University of Florida Marine Biology Symposium*, St. Augustine, FL

1. **Vander Zanden HB**, Bjorndal KA, Bolten, AB. (2008) Using stable isotopes to investigate sea turtle ecology. *International Symposium on Sea Turtle Biology and Conservation*, Loreto, Mexico

PROFESSIONAL REVIEWS

Manuscript reviews

Biological Reviews (2019)
Condor (2014)
Conservation Biology (2015)
Conservation Letters (2017)
Ecology (2015)
Ecological Applications (2016)
Ecology and Evolution (2016, 2014)
Ecosphere (2020)
Endangered Species Research (2014, 2013)
Frontiers in Marine Science (2020)
Herpetological Conservation and Biology (2012)
Ibis (2015)
Invasive Species (2023)
Isotopes in Environmental and Health Studies (2013)
Journal of Coastal Research (2014)
Journal of Animal Ecology (2018)
Journal of Ecology (2012)
Marine Biology (2021, 2016, 2014, 2013)
Marine Ecology (2015)
Marine Ecology Progress Series (2018, 2017, 2016, 2015, 2014, 2013)
Methods in Ecology and Evolution (2017, 2015)
Oecologia (2018 x2, 2017)
Pacific Science (2013)
PLOS ONE (2020)
Rapid Communications in Mass Spectrometry (2015)
Waterbirds (2015)

Ad hoc grant reviewer

Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative (2022)
 National Oceanic and Atmospheric Administration
 National Marine Fisheries Service (2019)
 National Science Foundation
 Biological Oceanography (2015 x2, 2014, 2011)
 Ecosystem Science (2016)
 Natural Environment Research Council of the UK (2014)
 Ontario Genomics
 Large-Scale Applied Research Project Competition (2020)

PhD thesis examiner

Griffith University (2018)

Permit reviewer

Florida Fish and Wildlife Conservation Commission (2016, 2021)

SCIENTIFIC AND ADVISORY SERVICE

- 2022 – *Regional Wildlife Science Collaborative for Offshore Wind*, Sea Turtle Subcommittee
 2016 – 2017 *Ocean Conservancy*, Trustee Implementation Group for Deepwater Horizon Integrated Restoration Planning
 2015 *Texas Sea Grant and Disney Worldwide Conservation Fund*, Gulf of Mexico Sea Turtle Workshop
 2012 *National Fish and Wildlife Foundation*, Gulf of Mexico Critical Sea Turtle Meeting

ACADEMIC SERVICE

University level

- 2021 – Land Use and Facilities Planning Committee, UF Joint Committee
 2020 – Senator, UF Faculty Senate

Department level

- 2022 – 2023 Faculty Search Committee for Ecology of the Microbiome, UF Department of Biology
 2022 – Bylaws Committee, UF Department of Biology
 2021 – Recruitment Committee, UF Department of Biology
 2020 – Graduate Committee, UF Department of Biology
 2018 – 2019 Faculty Search Committee for Marine Biology, UF Department of Biology
 2018 Fall Welcome Event Coordinator, UF Department of Biology
 2017 – 2020 Advisory Council, UF Department of Biology
 2017 – 2018 Faculty Search Committee for Ecology and Evolution of Infectious Disease, UF Department of Biology

SYNERGISTIC ACTIVITIES

Other activities

- 2023 Title 1 STEAM night, Littlewood Elementary School
 2022 – World Sea Turtle Day outreach, Florida Museum of Natural History
 2021 – Faculty advisor, Gastro Student Association
 2021 NAS Gulf Research Program Emerging ScienTalks Webinar Series Presenter, outreach to K-12 audience, Sea turtle journeys and survival stories (<https://www.nationalacademies.org/event/04-21-2021/grp-emerging-scientalks-april-2021>)
 2021 UF Baby Gator Child Development Center, Advisory Board member
 2020 Ally Skills Network workshop
 2018 – 2019 University Scholars Program Mentor
 2018 – 2019 University Multicultural Mentor Program, Faculty mentor
 2018 Workshop organizer at IsoEcol: Software and tools associated with a cyberinfrastructure for building and using isoscapes to estimate geographic origins of tissues
 2018 UF Innovation Academy Catalyst Fellow
 2017 – Archie Carr Center for Sea Turtle Research Development Board
 2017 UF Science for Life Research Course guest speaker
 2014 – 2022 International service-learning trip with high school students from Idaho to teach sea turtle biology and conservation (Guadeloupe 2014; Mexico 2015, 2018, 2022)
 2014 Citation style contributor for Zotero
 2012 Training of elementary school teachers for marine biology program at Seahorse Key Marine Laboratory
 2012 Volunteer for World Sea Turtle Day, Florida Museum of Natural History

- 2010 – 2012 Women in Science and Engineering (WiSE) Steering Committee
- 2010 – 2011 Biology Graduate Student Association Vice President
- 2010 – 2011 Archie Carr Center for Sea Turtle Research monthly forum coordinator
- 2009 – 2010 Biology Graduate Student Association Treasurer
- 2008 – 2012 Science Fair Judge, Alachua County Schools
- 2008 – 2010 I-Cubed Graduate Student Advisory Council Member
- 2008 – 2009 Zoology Graduate Student Association Secretary
- 2007 – 2009 Zoology Department Representative to Graduate Student Council
- 2007 – 2008 University of Florida Graduate Student Council Secretary
- 2006 – 2007 WiSE (Women in Science and Engineering) Mentor

Conference committees

- 2023 Southeast Regional Sea Turtle Meeting. Orange Beach, AL. Scientific Programming Committee
- 2016 36th Annual Symposium on Sea Turtle Biology and Conservation. Lima, Peru. In-Water Biology Session Chair
- 2014 34th Annual Symposium on Sea Turtle Biology and Conservation. New Orleans, LA. Anatomy, Physiology, and Health Session Chair
- 2013 33th Annual Symposium on Sea Turtle Biology and Conservation. Baltimore, MD. Coordinator of Volunteers

PROFESSIONAL MEMBERSHIPS

Ecological Society of America
International Sea Turtle Society
Sigma Xi

LANGUAGE PROFICIENCY

Advanced Spanish, Basic French, and Wolof (Senegal)