

PHILIP MATICH

Department of Marine Biology
Texas A & M University at Galveston
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matich.philip@gmail.com

Education

- 2008-2014 PhD Biology
Florida International University
- 2004-2007 BS Marine Science
University of South Carolina
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Appointments

- 2018-present Instructional Assistant Professor
Texas A & M University at Galveston
- 2017-2018 Research Scientist
Sam Houston State University
- 2015-2017 Postdoctoral Research Fellow
Sam Houston State University
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Publications

37. **Matich P**, Bigelow CL, Chambers B, Dodds JJ, Hebert JA, Lemieux A, Pittman CM, Trapp J, Bianco B, Cadena CP, Castillo EI, Castillo GI, Dawdy A, Dominguez AI, Dominique N, French DR, Glenn CF, Jackson ECH, Johnson B, Kohl G, Manka C, Martin JK, Pappas M, Reedholm AJ, Snead KM, Tyree MK, Fisher M. Delineation of blacktip shark (*Carcharhinus limbatus*) nursery habitats in the northwestern Gulf of Mexico. *Marine Ecology Progress Series in review*
36. Shipley ON, Manlick PJ, Newton A, **Matich P**, Camhi M, Cerrato RM, Frisk MG, Henkes GA, LaBelle J, Nye JA, Walters H, Newsome SD, Olin JA. Nutritional consequences of intraspecific diet variation in sharks. *Limnology and Oceanography in review*
35. Talwar BS, Bradley D, Berry C, Bond ME, Bouyoucos IA, Brooks A, Fields CYA, Gallagher AJ, Guttridge TL, Guttridge AE, Hammerschlag N, Hamilton I, Keller B, Kessel ST, **Matich P**, O'Shea OR, Papastamatiou YP, Raguse C, Schneider EVC, Shipley ON, Smukall M, van Zinnicq Bergmann MPM, Brooks EJ. Estimated life history traits and movements of

Caribbean reef sharks *Carcharhinus perezii* in The Bahamas based on conventional tagging data. *Marine Biology in review*

34. **Matich P**, Plumlee JD, Fisher M. 2021. Grow fast, die young – does compensatory growth reduce survival of juvenile blacktip sharks (*Carcharhinus limbatus*) in the western Gulf of Mexico? *Ecology and Evolution* 11: 16280-16295
33. **Matich P**, Shipley ON, Weideli OC. 2021. Quantifying spatial variation in isotopic baselines reveals size-based feeding in a model estuarine predator: implications for trophic studies in dynamic ecotones. *Marine Biology* 168: 108
32. **Matich P**, Bizzarro JJ, Shipley ON. 2021. Are stable isotope ratios suitable for describing niche partitioning and individual specialization? *Ecological Applications* 31: e02392
31. Cottrant E, **Matich P**, Fisher M. 2021. Using co-occurrence of predator and potential prey to predict the diets of juvenile bull sharks in a subtropical estuary. *Marine Ecology Progress Series* 659: 127-141
30. **Matich P**, Plumlee JD, Weideli OC, Fisher M. 2021. New insights into the trophic ecology of blacktip sharks (*Carcharhinus limbatus*) from a subtropical estuary in the western Gulf of Mexico. *Journal of Fish Biology* 98: 470-484
29. Hernout B, Leleux J, Lynch J, Ramaswamy K, Faulkner P, **Matich P**, Hala D. The integration of fatty acid biomarkers of trophic ecology with pollutant body-burdens of PAHs and PCBs in four species of fish from Sabine Lake, Texas. *Environmental Advances* 1: 100001
28. MacNeil MA, Chapman D, Heupel M, Simpfendorfer CA, Heithaus MR, Meekan M, Harvey E, Goetze J, Kizska J, Bond M, Currey-Randall LM, Speed C, Sherman CS, Rees MJ, Udyawer V, Flowers KI, Clementi G, Valentin-Albanese J, Gorham T, Adam MS, Ali K, Pina-Amargós F, Angulo-Valdés JA, Asher J, Barcia LG, Beaufort O, Benjamin C, Bernard A, Berumen ML, Bierwagen S, Bonema E, Bown RMK, Bradley D, Brooks E, Brown JJ, Buddo D, Burke P, Caceres C, Cardenosa D, Carrier JC, Caselle JE, Charloo V, Claverie T, Clua E, Cochrane JEM, Cook N, Cramp J, D'Alberto BD, de Graffe M, Dornhege M, Estep A, Fanovich L, Farabough NF, Fernando D, Flam A, Floros C, Fourqurean V, Garla R, Gastrich K, George L, Graham R, Guttridge T, Hardenstine RS, Heck S, Henderson A, Hertler H, Hueter R, Johnson M, Jupiter S, Kessel S, Kiilu B, Kirata T, Kuguru B, Kyne F, Langlois T, Lédée EJI, Lindfield S, Maggs J, Manjaji-Matsumoto BM, Marshall A, **Matich P**, McCombs E, McLean D, MEggs L, Moore S, Murray R, Muslimin, Newman SJ, Nogués J, Obuta C, O'Shea O, Osuka K, Papastamatiou Y, Perera N, Peterson B, Ponzio A, Prasetyo A, Qamar LMS, Quinlan J, Ruiz-Abierno A, Sala E, Samoily M, Scharer-Umpierre M, Schlaff A, Simpson N, Smith A, Sparks L, Tadurrbannna A, Torres R, Travers M, Van Zinnicq Bergmann M, Vigliola L, Ward J, Watts AM, Wen C, Whitman E, Wirsing A, Wothke A, Zarza E, Cinner JE. 2020. Global status and conservation potential of tropical reef sharks. *Nature* 583: 801-806

27. **Matich P**, Nowicki RJ, Davis J, Mohan JA, Plumlee JD, Strickland BA, TinHan TC, Wells RJD, Fisher M. 2020. Does freshwater refuge shape size structure of an estuarine predator (*Carcharhinus leucas*) in the northwestern Gulf of Mexico? *Marine and Freshwater Research* 71: 1501-1516
26. **Matich P**, Moore KB, Plumlee JD. 2020. Effects of Hurricane Harvey on the trophic status of juvenile sport fishes (*Cynoscion nebulosus*, *Sciaenops ocellatus*) in an estuarine nursery. *Estuaries and Coasts* 43: 997-1012
25. **Matich P**, Strickland BA, Heithaus MR. 2020. Long-term monitoring provides insight into the resilience of an estuarine top predator (*Carcharhinus leucas*) in response to an extreme weather event. *Marine Ecology Progress Series* 639: 169-183
24. Shipley ON, **Matich P**. 2020. Studying animal niches using bulk stable isotope ratios: an updated synthesis. *Oecologia* 193: 27-51
23. Weideli OC, Kiszka JJ, **Matich O**, Heithaus MR. 2019. Effects of anticoagulants on stable isotope values ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) of shark blood components. *Journal of Fish Biology* 95: 1535-1539
22. Pirog A, Ravigné V, Fontaine M, Rieux A, Gilabert A, Cliff G, Clua E, Daly R, Heithaus M, Kiszka J, **Matich P**, Nevill J, Smoothey A, Temple A, P Berggren, Jaquemet S, Magalon H. 2019. Population structure, connectivity and demographic history of an apex marine predator, the bull shark *Carcharhinus leucas*. *Ecology and Evolution* 9: 12980-13000
21. **Matich P**, Schalk CM. 2019. Move it or lose it: inter- and intraspecific variation in risk response of pond-breeding anurans. *PeerJ* 7: e6956
20. **Matich P**, Kiszka JJ, Heithaus MR, Le Bourg B, Mourier J. 2019. Inter-individual differences in ontogenetic trophic shifts among three marine predators. *Oecologia* 189: 621-636
19. Plumlee JD, Dance KM, **Matich P**, Mohan JA, Richards TM, TinHan TC, Wells RJD. 2018. Community structure of elasmobranchs in estuaries along the northwest Gulf of Mexico. *Estuarine, Coastal and Shelf Science* 204: 103-113
18. Bird CS, Veríssimo A, Magozzi S, Abrantes KG, Aguilar A, Al-Reasi H, Barnett A, Bethea DM, Biais G, Borrell A, Bouchoucha M, Boyle M, Brooks EJ, Brunnschweiler J, Bustamante P, Carlisle A, Catarino D, Caut S, Cherel Y, Chouvelon T, Churchill D, Ciancio J, Claes J, Colaço A, Courtney DL, Cresson P, Daly R, de Necker L, Endo T, Figueiredo I, Frisch AJ, Holst Hansen J, Heithaus M, Hussey NE, Iitembu J, Juanes F, Kinney MJ, Kiszka JJ, Klarian SA, Kopp D, Leaf R, Li Y, Lorrain A, Madigan DJ, Maljković A, Malpica-Cruz L, **Matich P**, Meekan MG, Ménard F, Menezes GM, Munroe SEM, Newman MC, Papastamtiou YP, Pethybridge H, Plumlee JD, Polo-Silva C, Quaeck-Davies K, Raoult V, Reum J, Torres-Rojas YE, Shiffman DS, Shipley ON, Speed CW, Staudinger MD, Teffler AK, Tilley A, Valls M,

Vaudo JJ, Wai T-C, Wells RJD, Wyatt ASJ, Yool A, Trueman CN. A global perspective on the trophic geography of sharks. *Nature Ecology & Evolution* 2: 299-305

17. **Matich P**, Mohan JA, Plumlee JD, TinHan T, Wells RJD, and Fisher M. 2017. Factors shaping the co-occurrence and concentrations of two juvenile shark species along the Texas Gulf Coast. *Marine Biology* 164: 141
16. Hammerschlag N, Gutowsky LFG, Gallagher AJ, **Matich P**, and Cooke SJ. 2017. A comparison of diurnal versus nocturnal habitat use patterns of a marine apex predator (tiger shark, *Galeocerdo cuvier*) at high use area exposed to dive tourism. *Journal of Experimental Marine Biology and Ecology* 495: 24-34
15. **Matich P**, Kiszka JJ, Gastrich K, Heithaus MR. 2017. Trophic interactions of fishes in an East African nearshore seagrass community inferred from stable isotope analysis. *Journal of Fish Biology* 91: 490-509
14. **Matich P**, Kiszka JJ, Mourier J, Planes S, Heithaus MR. 2017 Species co-occurrence affects the trophic interactions of two juvenile reef shark species in tropical lagoon nurseries in Moorea (French Polynesia). *Marine Environmental Research* 127: 84-91
13. Bogrand, AL, Neudorf, DLH, and **Matich P**. 2017. Predator recognition and nest defence by Carolina wrens *Thryothorus ludovicianus* in urban and rural environments: does experience matter? *Bird Study* 64: 211-221
12. **Matich P**, Ault J, Boucek R, Bryan D, Gastrich K, Harvey C, Heithaus MR, Kiszka JJ, Paz V, Rehage JS, and Rosenblatt AE. 2017. Ecological niche partitioning within a large predator guild in a nutrient-limited estuary. *Limnology and Oceanography* 62: 934-953
11. **Matich P**, Godwin WB, and Fisher M. 2016. Long-term trends in fish community composition across coastal bays and lakes in the Lavaca-Colorado Estuary. *Canadian Journal of Zoology* 94: 871-884
10. **Matich P** and Heithaus MR. 2015. Individual variation in ontogenetic niche shifts in habitat use and movement patterns of a large estuarine predator (*Carcharhinus leucas*). *Oecologia*, 178: 347-359
9. **Matich P**, Kiszka JJ, Heithaus MR, Mourier J, and Planes S. 2015. Short-term shifts of stable isotope ($\delta^{13}\text{C}$, $\delta^{15}\text{N}$) values in juvenile sharks within nursery areas suggest rapid shifts in trophic interactions. *Journal of Experimental Marine Biology and Ecology* 465: 83-91
8. **Matich P** and Heithaus MR. 2014. Multi-tissue stable isotope analysis and acoustic telemetry reveal seasonal variability in the trophic interactions of juvenile bull sharks in a coastal estuary. *Journal of Animal Ecology* 83: 199-213

7. Rosenblatt AE, Heithaus MR, Mather ME, **Matich P**, Nifong JC, Ripple WJ, and Silliman BR. 2013. The roles of large top predators in coastal ecosystems: new insights from Long-Term Ecological Research. *Oceanography* 26: 156-167
 6. Belicka LL, **Matich P**, Jaffé R, and Heithaus MR. 2012. Fatty acid and stable isotopic composition as indicators of the effect of maternal resource dependency on early-life feeding ecology of the bull shark, *Carcharhinus leucas*. *Marine Ecology Progress Series* 455: 245-256
 5. **Matich P** and Heithaus MR. 2012. Effects of an extreme temperature event on the behavior and age structure of an estuarine top predator (*Carcharhinus leucas*). *Marine Ecology Progress Series* 447: 165-178
 4. Layman CA, Araujo MS, Boucek R, Harrison E, Jud ZR, **Matich P**, Hammerschlag-Peyer CM, Rosenblatt AR, Vaudo JJ, Yeager LA, Post D, and Bearhops S. 2012. Applying stable isotopes to examine food web structure: an overview of analytical tools. *Biological Reviews* 87: 542-562
 3. **Matich P**, Heithaus MR, and Layman CA. 2011. Contrasting patterns of individual specialization and trophic coupling in two marine apex predators. *Journal of Animal Ecology* 80: 295-304
 2. Vaudo JJ, **Matich P**, and Heithaus MR. 2010. Mother-offspring fractionation in two species of placental sharks. *Journal of Fish Biology* 77: 1724-1727
 1. **Matich P**, Heithaus MR, and Layman CA. 2010. Size-based variation in inter-tissue comparisons of stable carbon and nitrogen isotopic signatures of bull sharks (*Carcharhinus leucas*) and tiger sharks (*Galeocerdo cuvier*). *Canadian Journal of Fisheries and Aquatic Sciences* 67: 877-885
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Book chapters and contributions

4. Kominoski J, Rehage J, Anderson B, Boecek R, Briceño H, Bush M, Dreschel T, Heithaus M, Jaffé R, Larsen L, **Matich P**, McVoy C, Rosenblatt A, and Troxler T. 2019. Chapter 4: Ecosystem fragmentation and connectivity - Legacies and future implications of a restored Everglades. In (Childers DL, Gaiser EE, and Ogden LA) *The Coastal Everglades: The dynamics of social-ecological transformation in the south Florida Landscape*. Oxford University Press. P. 71-98.
3. **Matich P**. 2019. Sawfishes. In (Chapman BR, Lutterschmidt WI, eds.) *Texas on the Brink: Threatened and Endangered Animals*. Texas A & M University Press. P. 220.
2. **Matich P**. 2019. Hammerhead Sharks. In (Chapman BR, Lutterschmidt WI, eds.) *Texas on the Brink: Threatened and Endangered Animals*. Texas A & M University Press. P. 220.

1. **Matich P.** 2019. Caribbean Electric Ray. In (Chapman BR, Lutterschmidt WI, eds.) Texas on the Brink: Threatened and Endangered Animals. Texas A & M University Press. P. 220.

Funding and awards

- 2017-2019 *Role of environmental conditions and top down effects in shaping estuarine food web structure in upper and mid-coastal estuaries of Texas*
Matich, P, D Daugherty, C Gelpi, N Boyd, RJD Wells, J Davis, R Easton
United States Fish and Wildlife Service
\$96,067
- 2017-2019 *Evaluating predictive capabilities of modeling sport fish “hot spots” along the Texas coast*
Wells, RJD, J Rooker, J Mohan, M Dance, **P Matich,** G Sutton
United States Fish and Wildlife Service
\$99,964
- 2017 *Assessing the importance of Codrington Lagoon as a nursery habitat for Caribbean spiny lobsters (Panulirus argus) with genetic analysis*
The Linnean Society of London
£660
- 2017 *Assessing the importance of Codrington Lagoon as a nursery habitat for Caribbean spiny lobsters (Panulirus argus) of the Antigua Platform through genetic analysis*
Waitt Institute
\$8,820
- 2013-2014 *Environmental and individual factors shaping the habitat use and trophic interactions of juvenile bull sharks (Carcharhinus leucas) in a subtropical estuary*
Florida International University
\$16,600
- 2012-2013 *Water quality monitoring of the Shark River Estuary*
Rosenblatt, AE, MR Heithaus, **P Matich**
National Science Foundation
\$4,500
- 2012 *Niche width expansion of juvenile bull sharks in a coastal nursery*
PADI Foundation
\$5,300
- 2012 *Resilience of juvenile bull shark movement behavior and trophic interactions after an extreme weather event*
Southeastern Environmental Research Center

\$7,500

- 2012 *Changes in habitat use and survival rates of juvenile bull sharks during recovery after an extreme weather event*
Zoo Miami Conservation and Research Fund
\$3,000
- 2011 Elton Young Investigator
Journal of Animal Ecology
£250
-

Course Instruction

Texas A & M University at Galveston: 2018-present

- BIOL 111: Introductory Biology I
4-credit core course with teaching assistants for lab
Spring 2020
- BIOL 112: Introductory Biology II
4-credit core course with teaching assistants for lab
Fall 2018, Fall 2020, Spring 2022
- MARB 300: Scientific Methods
3-credit required course with lab
Spring 2019, Fall 2019
- MARB 303: Biostatistics
4-credit required course with teaching assistants for lab
Spring 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021
- MARB 320: Fisheries Techniques
4-credit required course with teaching assistants for lab
Fall 2021
- MARB 403: Cetacean Behavior and Behavioral Ecology
3-credit elective course, writing intensive
Spring 2022
- MARB 411: Elasmobranch Ecology
3-credit elective course
Fall 2021
- MARB 426: Aquatic Animal Nutrition
3-credit elective course
Spring 2019

MARB 445: Marine Fisheries Management
3-credit required course, writing intensive
Fall 2018, Fall 2019, Fall 2020, Spring 2021, Spring 2022

MARB 460: Fisheries Population Dynamics
4-credit required course with teaching assistants for lab
Spring 2020

MARB 482: Seminar in Marine Biology
1-credit required course
Fall 2019

Sam Houston State University: 2016-2018

BIOL 4374: Biostatistics (Co-instructor)
3-credit required course
Spring 2017

BIOL 5300: Professional Aspects of Science (Invited instructor)
3-credit required course
Fall 2017

Florida International University: 2008-2014

BSC 2010L: General Biology I Laboratory
1-credit required lab
Fall 2008; Head Teaching Assistant 2009-2013

BSC 2011L: General Biology II Laboratory
1-credit required lab
Spring 2009; Head Teaching Assistant 2009-2013

Invited Lectures

2020 Studying shark behavior to improve management, conservation, and science.
TPWDiscover Shark Week.

2019 MARB 303 – Building the Path
Texas A & M University at Galveston, First Year Experience Retreat

2018 Populations and bull sharks
Sam Houston State University, BIOL 5380

2018 Resource use, niche widths, and behavioral ecology.

Lamar University, Biology Seminar

- 2017 What is an ecosystem?
Sam Houston State University, BIOL 5380
- 2017 Scale and ecosystem services
Sam Houston State University, BIOL 5380
- 2017 Transitions in theoretical ecology - from coasts to forests
Texas A & M University Galveston, Marine Biology Seminar Series
- 2015 Individuality - Looking beyond the population
Sam Houston State University, Department of Biological Sciences Seminar Series
- 2015 Niche width and ecological structure within and across organizational levels
Sam Houston State University, Department of Biological Sciences Seminar Series
- 2014 Development and persistence of intraspecific variation among marine predators and its ecological consequences in a changing world
Mote Marine Lab, Seminar Series
- 2014 We're not all the same: the drivers and potential consequences of intraspecific variability in bull sharks, *Carcharhinus leucas*
Florida Gulf Coast University, Department of Marine and Ecological Sciences Lecture Series
- 2012 Producers
Florida International University, BSC 2010
- 2011 Gymnosperms and Angiosperms
Florida International University, BSC 2010
- 2010 Freshwater sharks?
Florida International University, Biology of South Florida

Student Mentorship

- 2021-present Erin Johnson
MS Marine Biology, Committee member
Texas A & M University Galveston
- 2021 Michael Wade
MS Data Science, Capstone advisor
Vanderbilt University

- 2020 Benjamin Marsaly
MS Marine Biology, Thesis placement advisor
Bordeaux Sciences Agro
- 2019-2021 Thomas Ingalls
MS Marine Biology, Committee member
Nova Southeastern University
- 2018 Emy Cottrant
MS Marine Biology and Oceanography, Thesis placement advisor
University of Aix-Marseille
- 2017-2020 Mallika Beach-Mehrotra
MS Biology, Thesis co-advisor
Sam Houston State University
- 2017-2019 Amanda Lofthus
MS Biology, Thesis co-advisor
Sam Houston State University
- 2017 Anne Filteau
MS Marine Biology, Thesis internship advisor
Northeastern University
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Presentations

- 2022 Olin JA, **Matich P**, Junker JR, Bergeon Burns CM, Woltmann S, Bonisoli-Alquati A, Taylor SS, Stouffer PC, Turner RE, Shipley ON. Potential fitness consequences of niche variation in a generalist avian consumer.
Gulf of Mexico Conference
- 2021 Garcia Barcia L, Clementi G, Gastrich K, Hagan V, Morris J, Moncrief-Cox H, Lorenzo Y, Strickland B, **Matich P**, Chapman D, Heithaus M. Growth, habitat use and movement patterns as drivers of mercury and methylmercury tissue concentrations of bull sharks.
Meeting of the American Elasmobranch Society
- 2020 Marsaly B, **Matich P**. Interspecific variability in the trophic ecology of two co-habiting apex predators in coastal Texas.
Meeting of the American Elasmobranch Society
- 2020 **Matich P**. Studying shark behavior to improve management, conservation, and science.
TPWDDiscover Shark Week.
- 2019 Beach-Mehrotra M, Wozniak JR, **Matich P**. Factors influencing estuarine fish communities in Espiritu Santo Bay, Texas.

Coastal Estuarine Research Federation

- 2019 Lofthus AJ, Wozniak JR, **Matich P**. Influence of predation risk and environmental conditions on juvenile bull shark densities in two Texas estuaries.
Coastal Estuarine Research Federation
- 2019 Lofthus AJ, Wozniak JR, **Matich P**. Environmental conditions influencing spatial variability in predation risk to juvenile sharks.
Texas A & M University Ecological Integration Symposium
- 2018 Beach-Mehrotra M, **Matich P**, Wozniak J. Influence of habitat heterogeneity on estuarine fish communities in Espiritu Santo Bay, Texas.
Gulf Estuarine Research Society
- 2018 Lofthus AJ, **Matich P**, Wozniak J. Factors influencing the nursery dynamics of juvenile bull sharks (*Carcharhinus leucas*) in two Texas Estuaries.
Gulf Estuarine Research Society
- 2018 Beach-Mehrotra M, **Matich P**. Influence of habitat on estuarine fish communities.
Southwestern Association of Naturalists
- 2018 Cottrant E, **Matich P**. Using co-occurrence patterns to predict feeding habits of bull sharks, *Carcharhinus leucas*, in San Antonio Bay, Texas, USA.
Southwestern Association of Naturalists
- 2018 Lofthus A, **Matich P**. Factors influencing the nursery dynamics of juvenile bull sharks (*Carcharhinus leucas*) along the Texas coast.
Southwestern Association of Naturalists
- 2018 **Matich P**, Nowicki RJ, Davis J, Mohan JA, Plumlee JD, Strickland BA, TinHan TC, Wells RJD, Fisher M. Temporal shifts among juvenile bull sharks in the northwestern Gulf of Mexico - insights into long-term geographic trends.
Southwestern Association of Naturalists
- 2018 Beach-Mehrotra M, **Matich P**. Effects of habitat complexity on estuarine environments.
Texas A & M University Ecological Integration Symposium
- 2018 Cottrant E, **Matich P**. Using co-occurrence patterns to predict feeding habits of bull sharks, *Carcharhinus leucas*, in San Antonio Bay, Texas, USA.
Texas A & M University Ecological Integration Symposium
- 2018 Lofthus A, **Matich P**. Effects of changing salinities on the estuarine nursery dynamics of a coastal predator, *Carcharhinus leucas*.
Texas A & M University Ecological Integration Symposium

- 2017 Lofthus A, **Matich P**. Do rivers provide important nursery habitat for juvenile bull sharks along the Texas coast?
Texas A & M University Corpus Christi Marine Science Graduate Student Organization Research Forum
- 2017 Davis J, **Matich P**, Gelpi C. Co-occurrence of coexistence of two estuarine predators in Texas: bull sharks and alligator gars.
Joint Meeting of Ichthyologists and Herpetologists
- 2017 **Matich P**, Mohan JA, Plumlee JD, TinHan T, Wells RJD, and Fisher M. Factors shaping the co-occurrence and concentrations of two juvenile shark species along the Texas Gulf Coast.
Joint Meeting of Ichthyologists and Herpetologists
- 2017 **Matich P**, Kiszka JJ, Mourier J, Planes S, Heithaus MR. Species co-occurrence affects the trophic interactions of two juvenile reef shark species in tropical lagoon nurseries in Moorea (French Polynesia).
Joint Meeting of Ichthyologists and Herpetologists
- 2017 Plumlee JD, Dance KM, **Matich P**, Mohan JA, Richards TM, TinHan TC, Wells RJD. Community structure of elasmobranchs in estuaries along the northwest Gulf of Mexico.
Joint Meeting of Ichthyologists and Herpetologists
- 2017 Strickland BA, Heithaus MR, **Matich P**, Rosenblatt AE, Gastrich K, Mazzotti FJ. Using telemetry to elucidate the roles of estuarine predators and likely impacts of restoration
Greater Everglades Ecosystem Restoration Conference
- 2013 **Matich P**, Boucek R, Bryan D, Harvey C, Heithaus MR, Rehage J, and Rosenblatt AE. Individuals within a diverse predator guild serve as mobile links between disparate habitats of a coastal estuary and adjacent marine waters
Coastal and Estuarine Research Federation
- 2013 **Matich P** and Heithaus MR. Does intraspecific competition shape the movements and trophic ecology of a large estuarine predator?
Animal Behavior Society
- 2012 **Matich P** and Heithaus MR. Resource pulses drive seasonal variability in bull shark trophic ecology
World Congress of Herpetology
- 2012 Heithaus MR, AR Rosenblatt, and **Matich P**. Predators of Shark River.
Opening of Ft Lauderdale Museum of Science and Discovery EcoDiscovery Center.
- 2012 **Matich P** and Heithaus MR. Intraspecific variability in the roles of juvenile bull sharks in a subtropical estuary.
Biology Research Symposium. Florida International University

- 2012 **Matich P** and Heithaus MR. Recovery of the juvenile bull shark nursery in the Shark River Estuary after the 2010 cold snap
Florida Coastal Everglades LTER All Scientists Meeting
- 2011 **Matich P** and Heithaus MR. Intraspecific variability in the roles of juvenile bull sharks in a subtropical estuary
Coastal and Estuarine Research Federation
- 2011 **Matich P** and Heithaus MR. Ontogenetic Shift in the Habitat Use and Diet of Juvenile Bull Sharks in a Coastal Estuary
Joint Meeting of Ichthyologists and Herpetologists
- 2011 **Matich, P** and Heithaus MR. Short-term behavioral and demographic effects of acute temperature stress on juvenile bull sharks in the Shark River Estuary
Florida Coastal Everglades LTER All Scientists Meeting
- 2011 Belicka L, Heithaus MR, **Matich P**, and Jaffe R. A coupled molecular and compound-specific isotopic approach to understand food web dynamics and diet history of bull sharks in the Florida Everglades
Florida Coastal Everglades LTER All Scientists Meeting
- 2011 **Matich P** and Heithaus MR. Intraspecific variability in the roles of juvenile bull sharks in a subtropical estuary
Coastal and Estuarine Research Federation
- 2011 **Matich P** and Heithaus MR. Short-term behavioral and demographic effects of acute temperature stress on juvenile bull sharks in the Shark River Estuary.
Biology Research Symposium. Florida International University
- 2010 **Matich P**, Heithaus MR, and Layman CA. Contrasting patterns of individual specialization in two marine apex predators
Joint Meeting of Ichthyologists and Herpetologists
- 2010 Belicka LL, Jaffé R, Heithaus MR, Trexler J, Sokol ER, and **Matich P**. Application of lipid biomarkers to understand food web dynamics along resource gradients in the Everglades
Florida Coastal Everglades LTER All Scientists Meeting
- 2010 **Matich P**, Heithaus MR, and Layman CA. Contrasting patterns of individual specialization in two marine apex predators
Biology Research Symposium. Florida International University
- 2009 Rosenblatt AE, **Matich P**, and Heithaus MR. Drivers of habitat use and trophic interactions of large consumers in the Florida Coastal Everglades.
Florida Coastal Everglades LTER Quarterly Review

2007 **Matich P, Douglass J, and Duffy JE. Migration rates of invertebrate grazers in eelgrass (*Zostera marina*) beds: variation with species, time, and distance among patches.**
American Society of Limnology and Oceanography

Additional Service

- 2021-present Faculty Advisor
Galveston Undergraduate Marine Biology Organization (GUMBO)
Texas A & M University at Galveston
- 2020-2021 Program Co-Chair
Common Reader Program
Texas A & M University at Galveston
- 2019-present Science Committee
Saving the Blue, 501(c)(3)
Miami, FL and Andros, Bahamas
- 2019-present Associate Editor
Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science
American Fisheries Society
- 2019-present Leadership Team
Student Success Initiative
Texas A & M University at Galveston
- 2019-present Programming Committee
Transformative Teaching and Learning Conference
Texas A & M University
- 2019-2020 Teaching Committee
Student Success Initiative
Texas A & M University at Galveston
- 2019-2020 Evaluation Criteria Committee
Marine Biology Department
Texas A & M University at Galveston