ALEXANDRIA LOUREIRO, PHD

Phone: ██████████
Email: ████████████████████
https://www.linkedin.com/in/alexloureiro/

EDUCATION:

- PhD Marine Biology, Texas A&M University at Galveston – December 2017. Dissertation: Patterns in longline reef fish catch in the Gulf of Mexico using NOAA fishery observer data
- MS Marine Biology, Texas A&M University at Galveston – May 2014. Thesis: Behavioral patterns of common bottlenose dolphins in Galveston, Texas and protection strategy development
- BS Marine and Atmospheric Science and Biology (Departmental Honors) with minors in Classics and Psychology, University of Miami – May 2012. Thesis: Assessing Visual Range in a Visually-Impaired California Sea Lion (*Zalophus californianus*) Pre- and Post-Cataract Surgery

EXPERIENCE:

EnerGeo Alliance (formerly IAGC)

Manager of Marine Environment & Biology	October 2018 – July 2019
Director of Marine Environment & Biology	August 2019 – July 2022
Scientific Director	July 2022 – Present

- Directed all engagement regarding the potential effects of energy geoscience activities on marine life and served as a subject matter expert on behalf of EnerGeo Alliance, including close collaboration with EnerGeo members and industry partners, national and international regulatory bodies, the scientific community, and external stakeholders
- Spearheaded development of critical industry guidance documents including best practices for environmental impact assessments for seismic surveys and entangled marine fauna rescue
- Developed and executed the scientific vision and strategic plan for the EnerGeo Alliance
- Managed and developed the EnerGeo Alliance Ghost Net Initiative, now the Sustainable Seas Initiative, an industry effort to remove and quantify marine debris
- Launched the Gulf of Mexico Proactive Regulatory and Observational Program to facilitate industry compliance with the Gulf of Mexico Incidental Take Regulation, support development of future ITRs, and utilize industry Protected Species Observer data for greater scientific intelligence
- Launched the Sound, Environment, and Aquatic Species (SEAS) Research Program to fund critical research necessary to ensure environmental sustainability of energy geoscience activities
- Served as the organizational representative to the Sound and Marine Life Joint Industry Program and responsible for the direct JIP oversight of numerous projects
- Actively participated in industry and academic conferences and meetings to present ongoing work and discuss current scientific literature

alliantgroup, LP   January 2018 – September 2018
R&D Associate

- Analyzed and interpreted scientific and legal information to identify, analyze, and qualify value-oriented R&D benefits for companies
- Conducted client qualitative and quantitative interviews via phone and in person to gather and review client documentation
- Provided technical reports and analysis and substantiated technical analysis within the legal tax standard through presentations and written reports
- Collaborated and coordinated closely with attorneys, client relations associates, and tax controversy departments to ensure accurate results
- Managed and organized projects and collaborated with the project team to ensure analyses and deliverables were completed on time

Texas A&M University, Galveston   August 2014 – December 2017
PhD Dissertation Research
- Extensive experience in statistical analysis and modeling in R, including basic statistics, modeling methods, and Bayesian statistics
- Highly capable of learning and applying different coding languages and interpreting scientific information
- Experienced with management of large datasets
- Utilized geographic information systems (ArcGIS)
- Presented research and data at multiple symposiums
- Actively interpreted results relative to the overall fishery management of the Gulf of Mexico and relayed information to NOAA personnel

Texas A&M University, Galveston   August 2012 – May 2014
MS Thesis Research
- Experienced in understanding and applying federal environmental regulations (e.g. Endangered Species Act and Marine Mammal Protection Act) and voluntary international standards (e.g. ISO 14000 and 9000 series)
- Knowledgeable of the development and implementation of regulatory compliance and Environmental Management Strategies (EMS)
- Performed extensive qualitative and quantitative analysis regarding behavior patterns and complex problems of marine spatial planning
- Presented research and data at various conferences and symposiums

Texas A&M University, Galveston   August 2012 – December 2017
Head Teaching Assistant, Chemistry
- Lead general and organic chemistry laboratory courses to undergraduate students
- Managed all graduate teaching assistants and laboratory faculty
- Gained experience using multiple systems to maintain and manage data and coursework
- Awarded grant money for redesign and implementation materials for multiple courses
- Lead undergraduate students in laboratory courses

PUBLICATIONS:

- Rivard, A., *et al.* (2018). Fishing gear and set methodology models for target species catch success in Gulf of Mexico longline reef fishing. Athens Journal of Science 5(1).
- Rivard, A. *et al.* (2016). Behavioral Patterns of Common Bottlenose Dolphins (*Tursiops truncatus truncatus*) Within the Galveston-Port Bolivar Ferry Lane. Southeastern Naturalist 15(4).
- Gisiner, R., Loureiro, A., et al. (2020). Supplemental User Guide for Applying NMFS 2018 Sound Exposure Guidance Alternative Methodology to Geophysical Survey Sources. IAGC. 100 p.
- Loureiro, A., *et al.* (2023). Geophysical Industry Marine Mammal Conservation Under the Gulf of Mexico Proactive Regulatory and Observational Program (GOM-PROP). In: Popper, A. N., Sisneros, J., Hawkins, A. D., Thomsen, F. (eds). The Effects of Noise on Aquatic Life. Springer, Cham.

PRESENTATIONS:

- ACP Offshore WINDPOWER (Boston, MA), 2023
- EAGE Conference on South Atlantic Offshore Energy Resources (Montevideo, Uruguay), 2023
- ACP Offshore WINDPOWER (Providence, RI, USA), 2022
- Effects of Noise on Aquatic Life (Berlin, Germany), 2022
- SBGf Workshop on Multiple Seismic Activities Offshore: Environmental Impact and Regulation (Virtual), 2021
- World Marine Mammal Conference (Barcelona, Spain), 2019
- AWEA Offshore WINDPOWER (Boston, MA, USA), 2019
- Athens Institute for Education and Research 12th Annual International Symposium on Environment (Athens, Greece), 2016
- 21st Biennial Conference on the Biology of Marine Mammals (San Francisco, CA, USA), 2015
- Athens Institute for Education and Research 10th Annual International Symposium on the Environment (Athens, Greece), 2015

- Southeast and Mid-Atlantic Marine Mammal Symposium (Virginia Beach, VA, USA), 2015
- Gulf of Mexico Oil Spill and Ecosystem Science Conference (Houston, TX, USA), 2015
- 2nd Annual Florida Student Chapter of the Society for Marine Mammalogy Research Symposium, 2012

AWARDS AND HONORS:

- Phi Kappa Phi National Honor Society, 2014
- Gamma Sigma Alpha (national Greek organization academic honor society), 2012
- GRIT Professional Award Finalist, 2023