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EDUCATION

University of Florida	Gainesville, FL	Mechanical Engineering	Ph.D., 2008
University of Florida	Gainesville, FL	Mechanical Engineering	MS, 2006
Oregon State University	Corvallis, OR	Oceanography	MS, 2001
Eckerd College	St. Petersburg, FL	Physics and Mathematics	BS, 1999

RESEARCH INTERESTS

Decision analysis, structured decision making, coastal morphology and sediment transport, waves and nearshore hydrodynamics, interdisciplinary research, numerical modeling.

PROFESSIONAL EXPERIENCE

The Water Institute	Principal for Research Strategies, Lead Scientist	2024–Present
	Senior Research Scientist	2019–2024
U.S. Geological Survey St. Petersburg Coastal and Marine Science Center	Research Oceanographer	2013–2019
U.S. Geological Survey Woods Hole Coastal and Marine Science Center	Research Oceanographer and Mendenhall Post-Doctoral Fellow	2010–2013
U.S. Army Corps of Engineers, Engineering Research and Development Center	Research Physical Scientist	2008–2010
Integrated Statistics and the Environmental Careers Organization Contracted to: U.S. Geological Survey Woods Hole Coastal and Marine Science Center	Research Assistant	2001–2008

PROFESSIONAL SOCIETY MEMBERSHIPS

- American Geophysical Union, 1999–2004, 2011–Present
- Florida Association of Environmental Professionals, Tampa Bay Chapter, 2019–Present
- Association for Women Geoscientists, Florida Chapter, 2019–Present

AWARDS AND HONORS

- Presidential Early Career Award for Scientists and Engineers, 2019
- Sam D. Hamilton Award for Transformational Conservation Science as part of Gulf Coast Vulnerability Assessment team, 2015
- USGS Mendenhall Postdoctoral Fellowship, 2010–2012
- U.S. Army Corps of Engineers Research and Development Achievement Award, 2010
- University of Florida, Dissertation of the Year Award, 2008
- Tau Beta Pi Engineering Honor Society, 2008
- National Science Foundation Graduate Research Fellowship, 2004–2007
- U.S. Geological Survey, Special Thanks for Achieving Results award, 2005

TRAINING COURSES

- [Teaching Asst.] USFWS/USGS Course ALC3191 – Decision Analysis: Tools, 2023
- [Instructor] USFWS/USGS Course ALC3170 – Fundamentals of Structured Decision Making, 2022
- USFWS/USGS Apprentice Level Certification in Structured Decision Making, 2021
- USFWS/USGS Course ALC3191 – Decision Analysis: Tools, 2021
- USFWS/USGS Course ALC3176 – Adaptive Management, 2019
- USGS Leadership Intensive, 2017
- USFWS/USGS Course ALC3171 – Introduction to Structured Decision Making, 2016
- COAWST Training Workshop, Woods Hole, MA, 2012

PUBLISHED WORKS

Note: Last name Alexander prior to 2007

For a full list of publications, please visit [Soupy's Google Scholar page](#).

Peer-Reviewed Publications

- Kiskaddon, E., Dalyander, P.S., DeJong, A., McHugh, C., Parfait, J., Littman, A., Hemmerling, S.A., Dausman, A. (2023) Evaluation of emission reduction and other societal and environmental outcomes: Structured Decision Making for the Louisiana Climate Action Plan. *J. Environmental Management* (344), 118936.
- Kiskaddon, E., Bienn, H., Hemmerling, S. A., Dalyander, S., Grismore, A., Parfait, J., Miner, M. D., Cameron, C., Hopkins, T. E., Allen, Y., Jones-Farrand, D., Martin, M., Tirpak, B. E., Green, M., Rhinehart, K., &

- Carruthers, T. JB. (2022). Supporting habitat restoration in the northern Gulf of Mexico through synthesis of data on multiple and interacting benefits and stressors. *Journal of Environmental Management*, 318, 115589.
- Enwright, N. M., Kranenburg, C. J., Patton, B. A., Brown, J. A., Piazza, S. C., & Cheney, W. C. (2021). Developing bare-earth digital elevation models from structure-from-motion data on barrier islands. *ISPRS Journal of Photogrammetry and Remote Sensing*, 180, 269–292.
- Passeri, D. L., Bilskie, M. V., Hagen, S. C., Mickey, R. C., Dalyander, P. S., & Gonzalez, V. M. (2021). Assessing the effectiveness of nourishment in decadal barrier island morphological resilience. *Water*, 13(7).
- Enwright, N. M., Wang, L., Dalyander, P. S., Wang, H., Osland, M. J., Mickey, R. C., Jenkins, R. L., & Godsey, E. S. (2021). Assessing habitat change and migration of barrier islands. *Estuaries and Coasts*, 44(8), 2073–2086.
- Passeri, D. L., Dalyander, P. S., Long, J. W., Mickey, R. C., Jenkins, R. L., Thompson, D. M., Plant, N. G., Godsey, E. S., & Gonzalez, V. M. (2020). The roles of storminess and sea level rise in decadal barrier island evolution. *Geophysical Research Letters*, 47(18).
- Dalyander, P. S., Mickey, R. C., Passeri, D. L., & Plant, N. G. (2020). Development and application of an empirical dune growth model for evaluating barrier island recovery from storms. *Journal of Marine Science and Engineering*, 8(12), 977.
- Passeri, D. L., Dalyander, P. S., Long, J. W., Mickey, R. C., Jenkins, R. L., Thompson, D. M., Plant, N. G., Godsey, E. S., & Gonzalez, V. M. (2020). The roles of storminess and sea level rise in decadal barrier island evolution. *Geophysical Research Letters*, 47(18).
- Dalyander, P. S., Mickey, R. C., Passeri, D. L., & Plant, N. G. (2020). Development and application of an empirical dune growth model for evaluating barrier island recovery from storms. *Journal of Marine Science and Engineering*, 8(12), 977.
- Mickey, R. C., Dalyander, P. S., McCall, R., & Passeri, D. (2020). Sensitivity of storm response to antecedent topography in the XBeach Model. *Journal of Marine Science and Engineering*, 8(10), 23pp.
- Long, J., Dalyander, P. S., Poff, M., Spears, B., Borne, B., Thompson, D., Mickey, R., Dartez, S., & Grandy, G. (2020). Event and decadal-scale modeling of barrier island restoration designs for decision support. *Shore & Beach*, 99(1), 49–57.
- Mickey, R. C., Long, J. W., Dalyander, P. S., Plant, N. G., & Thompson, D. (2018). A framework for modeling scenario-based barrier island storm impacts to inform decision making. *Coastal Engineering*, 138, 98–112.
- Dalyander, P. S., Meyers, M., Mattsson, B., Steyer, G., Godsey, E., McDonald, J., Byrnes, M., & Ford, M. (2016). Use of structured decision making to explicitly incorporate environmental process understanding in management of coastal restoration projects: Case study on barrier islands of the northern Gulf of Mexico. *Journal of Environmental Management*, 183(3), 497–506.
- Torres-Garcia, L. M., Dalyander, P. S., Long, J. W., Zawada, D. G., Yates, K. K., Moore, C., & Oabarrieta, M. (2018). Hydrodynamics and sediment mobility processes over a degraded senile coral reef. *Journal of Geophysical Research*, 123(10), 7063–7066.
- Reece, J. S., Watson, A., Dalyander, P. S., Edwards, C. K., Geselbracht, L., LaPeyre, M. K., Tirpak, B. E., Tirpak, J. M., & Woodrey, M. (2018). A multiscale natural community and species-level vulnerability assessment of the Gulf Coast, USA. *PLoS ONE*, 13(6).
- Dalyander, P. S., Plant, N. G., Long, J. W., & McLaughlin, M. (2015). Nearshore dynamics of artificial sand and oil agglomerates. *Marine Pollution Bulletin*, 96(1–2), 344–355.
- Dalyander, P. S., & Butman, B. (2015). Characteristics of storms driving wave-induced seafloor mobility on the U.S. East Coast continental shelf. *Continental Shelf Research*, 104, 1–14.
- Dalyander, P. S., Long, J. W., Plant, N. G., & Thompson, D. M. (2014). Assessing mobility and redistribution patterns of sand and oil agglomerates in the surf zone. *Marine Pollution Bulletin*, 80(1–2), 200–209.
- Long, J. W., Plant, N. G., Dalyander, P. S., & Thompson, D. M. (2014). A probabilistic method for constructing wave time-series at inshore locations using model scenarios. *Coastal Engineering*, 89, 53–62.
- Plant, N. G., Flocks, J., Stockdon, H. F., Long, J. W., Guy, K., Thompson, D. M., Cormier, J. M., Smith, C. G., & Dalyander, P. S. (2014). Prediction of the evolution of a barrier-island berm restoration in a time-varying storm climatology. *Journal of Geophysical Research—Earth Surface*, 119(2), 300–316.
- Sherwood, C. R., Long, J. W., Dickhudt, P. J., Thompson, D. M., & Plant, N. G. (2014). Inundation of a barrier island (Chandeleur Islands, Louisiana, USA) during a hurricane: Observed water-level gradients and modeled seaward sand transport. *Journal of Geophysical Research—Earth Surface*, 119, 1498–1515.
- Butman, B., Aretxabaleta, A. L., Dickhudt, P. J., Dalyander, P. S., Sherwood, C. R., Anderson, D. M., Keafer, B. A., & Signell, R. P. (2014). Investigating the importance of sediment resuspension in *Alexandrium fundyense* cyst

- population dynamics in the Gulf of Maine. *Deep Sea Research Part II: Topical Studies in Oceanography*, 103, 79–95.
- Aretxabaleta, A. L., Butman, B., Signell, R. P., Dalyander, P. S., Sherwood, C. R., Sheremet, V. A., & McGillicuddy, D. J. (2014). Near-bottom circulation and dispersion of sediment containing *Alexandrium fundyense* cysts in the Gulf of Maine during 2010–2011. *Deep Sea Research Part II: Topical Studies in Oceanography*, 103, 96–111.
- Dalyander, P. S., Butman, B., Sherwood, C. R., Signell, R. P., & Wilkin, J. L. (2013). Characterizing wave- and current-induced bottom shear stress: U.S. middle Atlantic continental shelf. *Continental Shelf Research*, 52, 73–86.
- Dalyander, P. S., & Cerco, C. F. (2010). Integration of a fish bioenergetics model into a spatially explicit water quality model: Application to menhaden in Chesapeake Bay. *Ecological Modelling*, 221(16), 1922–1933.
- Dalyander, P. S., & Hahn, D. W. (2008). Excimer laser photofragmentation/fragment detection for analysis of the oxygenated hydrocarbon ethyl-3-ethoxypropionate: Implications for atmospheric monitoring. *Applied Spectroscopy*, 62(9), 1028–1037.
- Dalyander, P. S., Gornushkin, I. B., & Hahn, D. W. (2008). Numerical simulation of laser-induced breakdown spectroscopy: Modeling of aerosol analysis with finite diffusion and vaporization effects. *Spectrochimica Acta Part B: Atomic Spectroscopy*, 63(2), 293–304.
- Butman, B., Sherwood, C. R., & Dalyander, P. S. (2008). Northeast storms ranked by wind stress and wave-generated bottom stress observed in Massachusetts Bay, 1990–2006. *Continental Shelf Research*, 28(10–11), 1231–1245.
- Warner, J. C., Butman, B., & Dalyander, P. S. (2008). Storm-driven sediment transport in Massachusetts Bay. *Continental Shelf Research*, 28(2), 257–282.
- Butman, B., Alexander, P. S., Scotti, A., Beardsley, R. C., & Anderson, S. P. (2006). Large internal waves in Massachusetts Bay transport sediments offshore. *Continental Shelf Research*, 26(17–18), 2029–2049.
- Scotti, A., Butman, B., Beardsley, R. C., Alexander, P. S., & Anderson, S. (2005). A modified beam-to-earth transformation to measure short-wavelength internal waves with an acoustic doppler current profiler. *Journal of Atmospheric and Oceanic Technology*, 22(5), 583–591.
- Alexander, P. S., & Holman, R. A. (2004). Quantification of nearshore morphology based on video imaging. *Marine Geology*, 208(1), 101–111.

Select Technical Reports

- Fischbach, J. R., Dalyander, P.S., Carruthers, T., McHugh, C., DeJong, A., McMann, B., Littman, A., Haertling, A., Kane, P., and Bond, C.A. (2023). *Case Study Analysis Results and Recommendations*. The Water Institute. Funded by the U.S. Army Corps of Engineers Engineer Research and Development Center, Vicksburg, MS.
- Georgiou, I., Dalyander, P.S., Hemmerling, S., Cobell, Z., Diaz, Z. (2023). *Restoration Impacts on Surge and Risk – Barataria Barrier Islands*. Coastal Master Plan Supplemental Material H6.6. Coastal Protection and Restoration Authority, Baton Rouge, LA. 33p.
- Dalyander, P.S., Tebyanian, N., Henkel, J. (2023). *Resilient Jacksonville: Analysis of Spatial Planning Alternate Future Scenarios*. The Water Institute. Funded by the City of Jacksonville. Baton Rouge, LA, 15 pp.
- Fischbach, J. R., Bond, C. A., Dalyander, P. S., Carruthers, T., & Hemmerling, S. A. (2023). *Enhancing benefits evaluation for water resources projects: Towards a more comprehensive approach for nature-based solutions planning and valuation methods for case study analysis*. The Water Institute. Funded by the U.S. Army Corps of Engineers Engineer Research and Development Center.
- Georgiou, I. Y., Foster-Martinez, M., Fitzpatrick, C., Jarrell, E., Bridgeman, J., Lee, D., Miner, M. D., Dalyander, P. S., & Dong, Z. (2023). *Barrier island model improvements* (Louisiana Coastal Master Plan, 39pp) [Appendix DV]. Coastal Protection and Restoration Authority.
- Hollis, R., Dalyander, P.S., Byrnes, M., Godsey, E., and Dopsovic, R. (2023). Synthesis of sediment budget assessments along the northern Gulf of Mexico from the Pearl River to Apalachicola Bay: Workshop Series Summary. The Water Institute. Supported by USACE Mobile District. Baton Rouge, LA.
- Dalyander, P. S., Ramsour, G., Pahl, J., Averion, D., Linhoss, Anna, A., Miner, M. D., & Mickle, P. (2022). *Structured decision making to co-produce an actionable science plan in support of Louisiana, Mississippi, Alabama Coastal System Water Quality Management: Application Plan* (32pp). The Water Institute of the Gulf. Produced for and funded by the NOAA Restore Science Program.

- Dalyander, P. S., Miner, M. D., Richards, C. P., Grace, A., Green, M., Curole, J., & Lezina, B. (2022). *Lowermost Mississippi River Management Program: Strategy and scenario development overview* (16pp) [Technical memo]. The Water Institute.
- Dalyander, P. S., Ramseur, G., Pahl, J., Averion, D., Linhoss, A., Miner, M. D., & Mickle, P. (2022). *Structured decision making to co-produce an actionable science plan in support of Louisiana, Mississippi, Alabama Coastal System Water Quality Management: Research and Development Plan* (37pp). The Water Institute. Supported by the NOAA Restore Science Program.
- DeJong, A., Dalyander, S., Kiskaddon, E., Parfait, J., Dausman, A., McHugh, C., & Hemmerling, S. (2022). *Consequence analysis of a hypothetical portfolio of climate strategies: In support of the Climate Initiatives Task Force's development of a Louisiana Climate Action Plan* (106pp) [Technical memorandum]. The Water Institute.
- Miner, M., Dalyander, S., DiLeonardo, D., Windhoffer, E., Georgiou, I., Dudeck, N., Carruthers, T., & Kiskaddon, E. (2021). *Advancement of the Southeast Conservation Adaptation Strategy (SECAS) for project scale planning: Chandeleur Islands (Breton National Wildlife Refuge) restoration* (104pp). The Water Institute. Produced for and funded by U.S. Fish and Wildlife Service.
- Dalyander, P. S., Miner, M. D., Khalil, S., Lee, D. M., Leblanc, W., Newman, A., Cameron, C., & Leonardo, D. D. (2021). *Barrier Island System Management (BISM): A holistic system-approach to adaptively manage Louisiana's barrier islands and headlands* (115pp). The Water Institute. Produced for and funded by the Coastal Protection and Restoration Authority (Task Order 73).
- Georgiou, I., Foster-Martinez, M., Fitzpatrick, C., Jarrell, E., Bridgeman, J., Lee, D., Miner, M., Dalyander, P. S., & Dong, Z. (2020). *2023 Coastal Master Plan: Barrier island model improvements* (Version 1; 42pp). Coastal Protection and Restoration Authority.
- Enwright, N. M., Wang, L., Wang, H., Dalyander, P. S., Osland, M. J., Stelly, S. J., Mickey, R. C., Feher, L. C., Borchert, S. M., & Day, R. H. (2020). *Landscape-position-based habitat modeling for the Alabama Barrier Island Restoration Feasibility Assessment at Dauphin Island* (Open-File Report 2020–1003; Predicting Barrier Island Habitats and Oyster and Seagrass Habitat Suitability for Various Restoration Measures and Future Conditions for Dauphin Island, 99pp). U.S. Geological Survey.
- Wang, H., Enwright, N. M., Soniat, T. M., Herrmann, J. E., LaPeyre, M. K., Kim, M. K., Bunch, B., Stelly, S. J., Dalyander, P. S., & Mickey, R. C. (2020). *Oyster habitat suitability modeling for the Alabama Barrier Island Restoration Feasibility Assessment at Dauphin Island* (Open-File Report 2020–1003; Predicting Barrier Island Habitats and Oyster and Seagrass Habitat Suitability for Various Restoration Measures and Future Conditions for Dauphin Island, Alabama, 99pp). U.S. Geological Survey.
- Wang, H., Enwright, N. M., Darnell, K. M., LaPeyre, M. L., Cebrian, J., Kim, S. C., Bunch, B., Stelly, S. J., Couvillion, B. R., Dalyander, P. S., Mickey, R. C., & Segura, M. (2020). *Seagrass habitat suitability modeling for the Alabama Barrier Island Restoration Feasibility Assessment at Dauphin Island* (Open-File Report 2020–1003; 99pp). U.S. Geological Survey.
- Dalyander, P. S., Miner, M., Dausman, A., Cameron, C., Dudeck, N., & Georgiou, I. (2020). *Numerical modeling of the Louisiana, Mississippi, and Alabama coastal system (LMACS): Model inventory and recommendations* (14pp). The Water Institute. Produced for and funded by the National Oceanic and Atmospheric Administration.
- Mickey, R. C., Long, J. W., Dalyander, P. S., Jenkins III, R. L., Thompson, D. M., Passeri, D. L., & Plant, N. G. (2019). Development of a modeling framework for predicting decadal barrier island evolution. In *Development of a modeling framework for predicting decadal barrier island evolution* (Open-File Report 2019–1139; 46pp). U.S. Geological Survey.
- Mickey, R. C., Godsey, E., Dalyander, P. S., Gonzalez, V. M., Jenkins, R. L., Long, J. W., Thompson, D. M., & Plant, N. G. (2020). *Application of decadal modeling approach to forecast barrier island evolution, Dauphin Island, Alabama* (Open-File Report 2020–1001; 45pp). U.S. Geological Survey.
- Jenkins, R. L., Long, J. W., Dalyander, P. S., Thompson, D. M., & Mickey, R. C. (2020). *Development of a process-based littoral sediment transport model for Dauphin Island, Alabama* (Open-File Report 2020–1011). U.S. Geological Survey.
- Jenkins, R. L., Dalyander, P. S., Penko, A., Long, J. W., & Nelson, T. R. (2018). *Laboratory observations of artificial sand and oil agglomerates* (Open-File Report 2018–1010). U.S. Geological Survey.
- Thompson, D. M., Dalyander, P. S., Long, J. W., & Plant, N. G. (2017). *Correction of elevation offsets in multiple co-located lidar datasets* (Open-File Report 2017–1031; 10pp). U.S. Geological Survey.

- Mickey, R. C., Long, J. W., Plant, N. G., Thompson, D. M., & Dalyander, P. S. (2017). *A methodology for modeling barrier island storm-impact scenarios* (Open-File Report 2017–1009; Open-File Report). U. S. Geological Survey.
- Watson, A., Reece, J., Tirpak, B. E., Edwards, C. K., Geselbracht, L., Woodrey, M., LaPeyre, M., & Dalyander, P. S. (2015). *The Gulf Coast vulnerability assessment: Mangrove, tidal emergent marsh, barrier islands, and oyster reef* (Research bulletin WFA421; 100pp). Forest and Wildlife Research Center.
- Birchler, J. J., Dalyander, P. S., Stockdon, H. F., & Doran, K. S. (2015). *National assessment of nor'easter-induced coastal erosion hazards: Mid- and northeast Atlantic Coast* (Open-File Report 2015–1154; Open-File Report, 34pp). U.S. Geological Survey.
- Dalyander, P. S., Mickey, R. C., Long, J. W., & Flocks, J. (2015). *Effects of proposed borrow pits on the near-shore wave climate and longshore sediment transport rate along Breton Island, Louisiana*. (Open-File Report 2015–1057). U.S. Geological Survey.
- Plant, N. G., Dalyander, P. S., Thompson, D. M., & Raabe, E. A. (2012). *Application of a hydrodynamic and sediment transport model for guidance of response efforts related to the Deepwater Horizon oil spill in the northern Gulf of Mexico* (Open-File Report 2012–1234; pp. 1–47). U.S. Geological Survey.
- Dalyander, P. S., Butman, B., Sherwood, C., & Signell, R. P. (2012). *Documentation of the U.S. Geological Survey Sea Floor Stress and Mobility Database* (Open-File Report 2012–113). U.S. Geological Survey.
- Dalyander, P. S., & Fischenich, J. C. (n.d.). *CEMCAT: Conceptual Ecological Model Construction Assistance Toolbox* (Information Exchange Bulletin EMRRP Bulletin No. 10-1). U.S. Army Corps of Engineers.
- Dalyander, P. S., & Cerco, C. F. (2010). *Integration of an individual-based fish bioenergetics model into a spatially explicit water quality model (CE-QUAL-ICM)* (Technical Note ERDC TN-SWWRP-10-1; System-Wide Water Resources Program, 21pp). U.S. Army Engineer Research and Development Center.

Regional Planning Reports

- Climate Initiatives Task Force. (2022). *Louisiana climate action plan* (166pp).
- City of Jacksonville (2023). *Resilient Jacksonville*. Jacksonville, FL, 148.

Select Conference Proceedings and Presentations

- Kibria, A. SMG, Seekamp, E., Xiao, X., Dalyander, P.S., Eaton, M. (2024, March). *Fostering Consensus Among Stakeholders in Multi-Criteria Climate Adaptation Decisions with The AHP Method*. Southeast Environment and Recreation Research Conference.
- Dalyander, P.S., Swanson, T., Di Leonardo, D.R., Tebyanian, N., Kane, P., Felterman, M., Vincent, M., Khalil, S., Lee, D., Beltran Burgos, M. *Regional Sediment Management in Practice: the Louisiana Barrier Island System Management (BISM) Program* (2024, February). Gulf of Mexico Conference.
- Di Leonardo, D.R., Dalyander, P.S., Enwright, N.M., Stucht, C., Swanson, T. (2024, February). *Indicators of Barrier Island Resilience and Resistance in Louisiana*. Gulf of Mexico Conference.
- Cowan, J.S., Dalyander, P.S., Miner, M., Fischbach, J., Kane, P., Haertling, A. (2024, February). *Benefits Quantification of Habitat Restoration Projects Utilizing Sediment Placement Techniques*. Gulf of Mexico Conference.
- Swanson, T., Dalyander, P.S., Di Leonardo, D.R., Tebyanian, N., Kane, P., Beltran Burgos, M., Felterman, M., Vincent, M. (2024, February). *Deep uncertainty in shallow water: reduced complexity simulation of Louisiana's barrier system*. Ocean Sciences.
- Stucht, C.M., Han, M., Enwright, N.M., Dalyander, P.S., Palmsten, M.L., Steyer, G.D., Davenport, T.M., La Peyre, M.K. (2023, November). *Quantifying ecogeomorphic change and resilience along barrier island shorelines and barrier islands*. Coastal and Estuarine Research Federation (CERF).
- Esposito, C., Swanson, T., Howes, N., Kane, P., Tebyanian, N., Dalyander, P.S., Georgiou, I., Pahl, J., LeBlanc, J.W., Miner, M. (2023, November). *A physics-based and machine-learning hybrid model supporting the RESTORE-funded Lowermost Mississippi River Management Program*. Coastal and Estuarine Research Federation (CERF).
- DeJong, A., Tebyanian, N., Kane, P., Fischbach, J., Collini, R., McHugh, C., Dalyander, P.S., Henkel, J. (2023, October). *Lessons Learned in Application of DMDU Methods to Urban Planning Projects in the US*. Decision Making Under Deep Uncertainty.

- Kane, P., Tebyanian, N., Dalyander, P.S., Swanson, T., Di Leonardo, D., Beltran Burgos, M. (2023, October). *Order Up or Abandon Ship? Exploring Critical Thresholds for Decision Making in Barrier Island Management*. Decision Making Under Deep Uncertainty.
- Kane, P., Tebyanian, N., Dalyander, P.S. (2023, October). *Robust Management of the Lower Mississippi River*. Decision Making Under Deep Uncertainty.
- Dalyander, P.S., Fischbach, J.R., Carruthers, T., McHugh, C., DeJong, A., McMann, B., Littman, A., Haertling, A., Kane, P., Bond, C.A., Cowan, J. (2023, August). *Quantifying Benefits of Natural and Nature-Based Solutions*. USACE Coastal Engineering Research Board.
- Dausman, A., Di Leonardo, D., Dalyander, P.S., Henkel, J., Hemmerling, S., Jones, B., Black, V., Runge, M. (2023, August). *Long-Term Strategic Water Sustainability Plan for Groundwater Resources in Baton Rouge area*. 14th Annual Louisiana Water Conference.
- Dalyander, P.S., Fischbach, J.R., Carruthers, T., McHugh, C., DeJong, A., McMann, B., Littman, A., Haertling, A., Kane, P., Bond, C.A., Cowan, J. (2023, June). *Quantifying the Value of Sediment Placement and Coastal Restoration*. Gulf of Mexico All Hands.
- Kibria, A., Seekamp, E., Xiao, X., Li, P., Dalyander, P.S., Eaton, M. (2023, June). *Climate-vulnerable Heritage Management in the Outer Banks of Southeastern United States: Application of Analytic Hierarchy Process*. International Association for Society and Natural Resources Conference.
- Ramseur, G., Dalyander, P.S. (2023, May) *Evaluating the Impacts of Management Action and Natural Drivers on Water Quality in the LMACS*. State of the Coast Conference.
- Miner, M., McMann, B., Courtois, A., Esposito, C., Swartz, J., Howes, N., Georgiou, I., Dalyander, P.S., Messina, F., Hankerson, J. (2023, May). *Lowermost Mississippi River Management Program: Regional Sediment Management Below Venice*. State of the Coast Conference.
- Esposito, C., Howes, N., Swanson, T., Dalyander, P.S., Swartz, J., Zou, S., Wang, Y., Georgiou, I., Miner, M., Pahl, J., LeBlanc, W. (2023, May). *A Physics-Based and Machine-Learning Hybrid Model Supporting the RESTORE-funded Lowermost Mississippi River Management Program*. State of the Coast Conference.
- Dalyander, P.S., Swartz, J., Miner, M., Fischbach, J. (2023, April). *Evaluating Sediment as a Resource and Quantifying Values that Matter*. Permanent Association of Navigation Congresses.
- Enwright, N.M., Dalyander, P.S., Jenkins, R.L. III, Godsey, E.S., Stelly, S.J. (2023, April). *Fusing Geophysical and Remotely Sensed Data for Observing Overwash Occurrence, Frequency, and Impact*. Coastal Sediments Conference.
- Dalyander, P.S., Miner, M., Khalil, S., Felterman, M., Di Leonardo, D., Cameron, C. (2023, April). *Practical Implementation of Regional Sediment Management in Coastal Restoration: Case Study for Louisiana Barrier Island System Management*. Coastal Sediments Conference.
- Ramseur, G. & Dalyander, P.S. (2022, April). *Structured-Decision Making to Co-produce an Actionable Science Plan in support of Louisiana, Mississippi, Alabama Coastal System Water Quality Management*. Gulf of Mexico Conference (GOMCON).
- Passeri, D., Dalyander, P. S., Long, J. W., Mickey, R. C., Jenkins, R., Thompson, D., Plant, N., Godsey, E., & Gonzales, V. (2022, March). *Modeling decadal barrier island evolution and resilience to storms and sea level rise*. Ocean Sciences.
- Enwright, N. M., Wang, L., Wang, H., Dalyander, P. S., Osland, M. J., Stelly, S. J., Mickey, R. C., Feher, L. C., Borchert, S. M., & Day, R. H. (2022). *Landscape-position-based habitat modeling for the Alabama Barrier Island Restoration Feasibility Assessment at Dauphin Island*.
- Darnell, K. (2022, April). *Co-producing an integrated system approach to maximize benefits of restoration and management of the Chandeleur Island, LA for seagrass and associated communities*. Gulf of Mexico Conference (GOMCON).
- Dalyander, P. S., Ramseur, G., Pahl, J., Averion, D., Linhoss, A., Miner, M. D., & Mickle, P. (2022, April). *Structured decision making to co-produce an actionable science plan in support of Louisiana, Mississippi, Alabama Coastal System Water Quality Management*. Gulf of Mexico Conference (GOMCON) 37.
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