# Andrew Harlan Altieri

Dept. of Environmental Engineering Sciences
University of Florida
Gainesville, FL 32611

E-mail: andrew.altieri@essie.ufl.edu
Tel: 305-250-8840
Web: www.altierilab.org

## PROFESSIONAL APPOINTMENTS

| | |
|---|---|
| 2026-Present | Scott and Lindy Hearne Rising Star Associate Professor, Department of Environmental Engineering Sciences, University of Florida |
| 2025 | Interim Director, Center for Coastal Solutions, University of Florida |
| 2022-Present | Associate Director, Center for Coastal Solutions, University of Florida |
| 2018-Present | Assistant, Associate Professor, University of Florida, Department of Environmental Engineering Sciences |
| 2018-Present | Research Associate, Smithsonian Tropical Research Institute |
| 2014-Present | Adjunct Professor, McGill University, Department of Biology |
| 2012-2017 | Staff Scientist, Smithsonian Tropical Research Institute |
| 2007-2011 | Postdoctoral Research Associate and Instructor, Brown University, Department of Ecology and Evolutionary Biology |
| 2006-2007 | Three Seas Postdoctoral Fellow; Northeastern University, Marine Science Center |

## EDUCATION

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|---|---|
| 2006 | Brown University<br>Ph.D. in Ecology and Evolutionary Biology |
| 1999 | University of California Santa Cruz<br>B.A. in Marine Biology (Honors in the Major) |

## PUBLICATIONS

(Underline indicates student author)
Google scholar: citations = 9195; h-index = 48; i10-index = 92
Web of science: citations = 5761; h-index = 39; i10-index = 80

113. van Rees, C.B., C. VanBuren, L.A. Han, A. Altieri, M. Bilskie, J.E. Byers, J. Calabria, M.L. Chambers, D.J. Coleman, K. Foster, A. Leit (2026) Eight recommendations to enhance biodiversity outcomes of nature-based solutions at multiple scales. **Journal of Environmental Management** 414: 130518.

112. A.T. Hymel, A.H. Altieri, O. Cordero, C. Saltus, C. Angelini (2026) Informing thin-layer placement for coastal wetland restoration through remote sensing and community outreach. **Remote Sensing** 18: 1716.

111. Slomp, C.P., A. Oschlies, A.H. Altieri, L.T. Bach, L. Bopp, D. Breitburg, A. Canning, D.J. Conley, M. Dai, B. Dewitte, H. Enevoldsen, E.M. Ferrer, A. Galán, V. Garcon, M. Gregoire, B. Gustafsson, D. Gutierrez, P. Handmann, A. Hylén, K. Isensee, R. Lamond, M. Li, K. Limburg, I. Montes, J. Sterling, A. Tan Shau Hwai, J.M. Testa, D. Wallace, J.J. Waniek, M. Yasuhara (2026) Could artificial reoxygenation revitalize dying coastal seas? **Environmental Research Letters** 21: 083004.

110. Frazier, T.A., C. Angelini, M.A. Schneider, C.R. Adams, A.H. Altieri, J.P. Morton (2026) Sand source and fertilizer addition effects on the growth of two foundational dune grasses: implications for restoration. **Estuaries and Coasts** 49: 42.

109. Clever, F., R.F. Preziosi, B. Nguyen, B. De Gracia, H. Quintero Arrieta, W.O. McMillan, A.H. Altieri, A. O'Dea, N. Knowlton, M. Leray (2026) Dietary resilience of coral reef fishes to habitat degradation. **Journal of Animal Ecology** 95: 397-417.

108. Hay, B., A. Hymel, J.P. Morton, M. Schneider, C. Angelini, D.W. Perkey, K.T. Powell, A.H. Yarnall, A.H. Altieri (2026) Sediment addition at the saltmarsh–mangrove ecotone shifts species dominance with implications for restoration. **Journal of Applied Ecology** 63: e70301.

107. Marin-Diaz, B., C. Angelini, C. Pezoldt, K. Konchar, A.H. Altieri (2026) Testing biodegradable interventions to disrupt plant–animal feedbacks and promote seagrass establishment. **Restoration Ecology** 23: e70235.

106. Zhang, Y.S., A.H. Altieri, C. Angelini, L.F. Curl, J.P. Morton, S.P. Paliotti, M.S. Thomsen, T.A. Toon (2026) Optimizing ecosystem restoration with facilitation cascades. **BioScience** 76: 21-33.

105. Oschlies, A., C.P. Slomp, A.H. Altieri, N. D. Gallo, M. Gregoire, K. Isensee, L.A. Levin, J. Wu (2025) Potential impacts of marine carbon dioxide removal on ocean oxygen. **Environmental Research Letters** 20: 073002.

104. Sakr, A., L.D. Mazor, E.C. Milbrandt, J.P. Morton, A.H. Altieri (2025) A changing of the garden: evaluating the performance and ecosystem functionality of alternative oyster garden structures in residential waterways. **Frontiers in Ecology and Evolution** 13: 1576407.

103. Lewis, D.M. and A.H. Altieri (2025) Positive interspecific interactions on coral reefs in a changing climate: A review. **Coral Reefs** 44: 541-554.

102. Smulders, F.O.H., J.E. Campbell, A.H. Altieri, A.R. Armitage, E.S. Bakker, S.C. Barry, S.T. Becker, E. Bethel, J.G. Douglass, H.J. van Duijnhoven, J. de Fouw, T.K. Frazer, R. Glazner, J.A. Goeke, G. Gort, K.L. Heck, O.A.A. Kramer, I.A. van de Leemput, S.A. Manuel, C.W. Martin, I.G. Martinez López, A.M. McDonald, C.J. Munson, O.R. O'Shea, V.J. Paul, L.K. Reynolds, O.K. Rhoades, L.M. Rodriguez Bravo, A. Sang, Y. Sawall, K. Smith, J.E. Thompson, B. van Tussenbroek, W.L. Wied, M.J.A. Christianen (2025) Temperature drives seagrass recovery across the Western North Atlantic. **Global Change Biology** 31: e70172.

101. Mallon, J.E., A.H. Altieri, T. Cyronak, C.V. Melendez-Declet, V.J. Paul, M.D. Johnson. (2025) Sublethal changes to coral metabolism in response to deoxygenation. **Journal of Experimental Biology** 228: 249638.

100. Pearce-Kelly, P., A.H. Altieri, J.F. Bruno, C.E. Cornwall, M. McField, A.I Muñiz-Castillo, J. Rocha, R.O. Setter, C. Sheppard, R.M. Roman-Cuesta, C. Yesson (2025) Considerations for determining warm-water coral reef tipping points. **Earth System Dynamics** 16: 275-292.

99. Sakr, A. and A.H. Altieri (2025) Living in a material world: Support for the use of natural and alternative materials in coastal restoration and living shorelines. **Ecological Engineering** 211: 107462

98. Roman, M.R., A.H. Altieri, D. Breitburg, E.M. Ferrer, N.D. Gallo, S. Ito, K. Limburg, K. Rose, M. Yasuhara, L.A. Levin. (2024) Reviews and syntheses: Biological indicators of low-oxygen stress in marine water-breathing animals. **Biogeosciences** 21: 4975-5004.

97. Lucey, N.M., C. César-Ávila, A. Eckert, A. Rajagopalan, W.C. Brister, E. Kline, A.H. Altieri, C.A. Deutsch, Collin, R. (2024). Coral Community Composition Linked to Hypoxia Exposure. **Global Change Biology** 30: e17545.

96. Saldaña, P.H., N.L. Lang, A.H. Altieri (2024). Friend of the dead: Zoanthids enhance the persistence of dead coral reef framework under high consumer pressure. **Ecosphere** 15: e4940.

95. Rempel, H.S., K.N. Bodwin, D.E. Burkepile, T.C. Adam, A.H. Altieri, E.M. Barton, R.L. Francisca, M.C. Goodman, R.J. Lamore, M. Lippert, M. Marroquín, T.C. O'Rourke, P.D. VanderBloomer, B.I. Ruttenberg (2024) Ecological drivers of parrotfish coral predation vary across spatial scales. **Marine Ecology Progress Series** 740: 145-160.

94. Collin, R., A.E. Adelson, A.H. Altieri, K.E. Clark, K. Davis, S.N. Giddings, S. Kastner, L. Mach, G. Pawlak, S. Sjögersten, M. Torres, C.P. Scott (2024) Using forty years of research to view Bahia Almirante on the Caribbean coast of Panama as an integrated socio-ecological system. **Estuarine, Coastal and Shelf Science** 306: 108878.

93. B.R. Silliman, M.J.S. Hensel, J.P. Gibert, P. Daleo, C.S. Smith, D.J. Wieczynski, C. Angelini, A.B. Paxton, A.M. Adler, Y.S. Zhang, A.H. Altieri, T.M. Palmer, H.P. Jones, R.K. Gittman, J.N. Griffin, M.I. O'Connor, J. van de Koppel, J.R. Poulsen, M. Rietkerk, Q. He, M.D. Bertness, T. van der Heide, S. R Valdez (2024) Harnessing ecological theory to enhance ecosystem restoration. **Current Biology** 24: R418-R434.

92. Swaminathan, S.D., K.D. Lafferty, N.S. Knight, A.H. Altieri (2024) Stony coral tissue loss disease indirectly alters reef communities. **Science Advances** 10: eadk6808.

91. Campbell, J.E., O.K. Rhoades, C.J. Munson, A.H. Altieri, J.G. Douglass, K.L. Heck, V.J. Paul, A.R. Armitage, S.C. Barry, E. Bethel, L.Christ, M.J.A. Christianen, G. Dodillet, K. Dutton, J.W. Fourqurean, T.K. Frazer, B.M. Gaffey, R. Glazner, J.A. Goeke, R. Grana-Valdes, V.J. Jenkins, O.A.A. Kramer, S.T. Linhardt, C.W. Martin, I.G. Martinez Lopez, A.M. McDonald, V.A. Main, S.A. Manuel, C. Marco-Méndez, D.A. O'Brien, O.R. O'Shea, C.J. Patrick, C. Peabody, L.K. Reynolds, A. Rodriguez, L.M. Rodriguez Bravo, A. Sang, Y. Sawall, K. Smith, F.O.H. Smulders, U. Sun, J.E. Thompson, B. van Tussenbroek, W.L. Wied (2024) Herbivore effects increase with latitude across the extent of a foundational seagrass. **Nature Ecology and Evolution** 8: 663-675.

90. Ugarelli, K., J.E. Campbell, O.K. Rhoades, C.J. Munson, A.H. Altieri, J.G. Douglass, K.L. Heck, V.J. Paul, S.C. Barry, L. Christ, J.W. Fourqurean, T.K. Frazer, S.T. Linhardt, C.W. Martin, A.M. McDonald, V.A. Main, S.A. Manuel, C. Marco-Méndez, L.K. Reynolds, A.

Rodriguez, L.M. Rodriguez Bravo, Y. Sawall, K. Smith, W.L. Wied, C.J. Choi, U. Stingl (2024) Microbiomes of *Thalassia testudinum* throughout the Atlantic Ocean, Caribbean Sea, and Gulf of Mexico are influenced by site and region while maintaining a core microbiome. **Frontiers in Microbiology** 15: 1357797.

89. Saldaña, P.H., C. Angelini, M.D. Bertness, A.H. Altieri (2024) Dead foundation species drive ecosystem dynamics. **Trends in Ecology & Evolution** 39: 294-305.

88. Swaminathan, S.D., J.L. Meyer, M.D. Johnson, V.J. Paul, E. Bartels, A.H. Altieri (2024) Divergent responses of the coral holobiont to deoxygenation and prior environmental stress. **Frontiers in Marine Science** 10: 1301474.

87. Howard, R.D., M.D. Schul, L.M. Rodriguez Bravo, A.H. Altieri, J.L. Meyer (2023) Shifts in the coral microbiome in response to in situ experimental deoxygenation. **Applied and Environmental Microbiology** 89: e00577-23.

86. Xu, C., B.R. Silliman, J. Chen, X. Li, M.S. Thomsen, Q. Zhang, J. Lee, J.S. Lefcheck, P. Daleo, B.B. Hughes, H.P. Jones, R. Wang, S. Wang, C. Smith, X. Xi, A.H. Altieri, J. van de Koppel, T.M. Palmer, L. Liu, J. Wu, B. Li, Q. He (2023) Herbivory limits success of vegetation restoration globally. **Science** 382*:* 589-594.

85. Mallon, J., A. Demko, J. Sneed, L. Newman, C. Dugan, A.H. Altieri, V.J. Paul, M.D. Johnson (2023) The influence of deoxygenation on Caribbean coral larval settlement and early survival. **Frontiers in Marine Science** 10: 1254965.

84. Walker, J.E., C. Angelini, A.H. Altieri, C.W. Martin, T.Z. Osborne (2023) Influence of climate-mediated shifts in wetland vegetation on prey fish habitat use and schooling dynamics. **Marine Ecology Progress Series** 716: 31-45.

83. Li, X., H. Wang, D.J. McCauley, A.H. Altieri, B.R. Silliman, J.S. Lefcheck, J. Wu, B. Li, Q. He (2023) A wide megafauna gap undermines China's expanding coastal ecosystem conservation. **Science Advances** 9: eadg3800.

82. Morrison, E.S., E. Phlips, S. Badylak, A.R. Chappel, A.H. Altieri, T.Z. Osborne, D. Tomasko, M.W. Beck, E. Sherwood (2023) The response of Tampa Bay to a legacy mining nutrient release in the year following the event. **Frontiers in Ecology and Evolution** 11: 1144778.

81. Fourqurean, J.W., J.E. Campbell, O.K. Rhoades, C.J. Munson, J.R. Krause, A.H. Altieri, J.G. Douglass, K.L. Heck Jr., V.J. Paul, A.R. Armitage, S.C. Barry, E. Bethel, L. Christ, M.J. A. Christianen, G. Dodillet, K. Dutton, T.K. Frazer, Bethany M. Gaffey, R. Glazner, J.A. Goeke, R. Grana-Valdes, O.A.A. Kramer, S.T. Linhardt, C.W. Martin, I.G. Martínez López, A.M. McDonald, V.A. Main, S.A. Manuel, C. Marco-Méndez, D.A. O'Brien, O. O'Shea, C.J. Patrick, C. Peabody, L.K. Reynolds, A. Rodriguez, L.M. Rodriguez Bravo, A. Sang, Y. Sawall, F.O.H. Smulders, J.E. Thompson, B. van Tussenbroek, W.L. Wied, S.S. Wilson (2023) Seagrass abundance predict surficial soil organic carbon stocks across the range of *Thalasssia testudinum* in the western North Atlantic. **Estuaries and Coasts** 46: 1280-1301.

80. Cannon, A.L., M.G. Hynes, M. Brandt, C. Wold, A. O'Dea, A.H. Altieri, J.E. Smith (2022) Simulated green turtle grazing reduces seagrass productivity and alters benthic community structure while triggering further disturbance by feeding stingrays. **Caribbean Journal of Science** 52: 373-388.

79. Doucette, V.E., L.M. Rodriguez Bravo, A.H. Altieri, M.D. Johnson (2022) Negative effects of a zoanthid competitor limit coral calcification more than ocean acidification. **Royal Society Open Science** 9: 220760.

78. Adelson, A.E., A.H. Altieri, X. Boza, R. Collin, K.A. Davis, A. Gaul, S.N. Giddings, V. Reed, G. Pawlak (2022) Seasonal hypoxia and temperature inversions in a tropical bay. **Limnology and Oceanography** 67: 2174-2189.

77. Clever, F., J.M. Sourisse, R.F. Preziosi, J.A. Eisen, E.C. Rodriguez Guerra, J.J. Scott, L.G.E. Wilkins, A.H. Altieri, W.O. McMillan, M. Leray (2022) The gut microbiome variability of a butterflyfish increases on severely degraded Caribbean reefs. **Communications Biology** 5: 770.

76. Stewart, H.A., J.L. Wright, M. Carrigan, A.H. Altieri, D.I. Kline, R.J. Araújo (2022) Novel co-existing mangrove-coral habitats: Extensive coral communities located deep within mangrove canopies of Panama, a global classification system, and predicted distributions. **PLoS One** 17: e0269181.

75. Ashton, Gail V., A.L. Freestone, J.E. Duffy, M.E. Torchin, B.J. Sewall, B. Tracy, M. Albano, A.H. Altieri. . .G.M. Ruiz +56 others (2022) Predator control of marine communities increases with temperature across 115 degrees of latitude. **Science** 376: 1215-1219.

74. Walker, J.E., T. Ankersen, S. Barchiesi, C.K. Meyer, A.H. Altieri, T.Z. Osborne, C. Angelini (2022) Governance of the mangrove commons: Advancing the cross scale, nested framework for the global conservation and wise use of mangroves. **Journal of Environmental Management** 312: 114823.

73. Beck M.W., A. Altieri, C. Angelini, M.C. Burke, J. Chen, D.W. Chin, J. Gardiner, C. Hu, K.A. Hubbard, Y. Liu, C. Lopez, M. Medina, E. Morrison, E.J. Phlips, G.E. Raulerson, S. Scolaro, E.T. Sherwood, D. Tomasko, R.H. Weisberg, J. Whalen (2022) Initial estuarine response to inorganic nutrient inputs from a legacy mining facility adjacent to Tampa Bay, Florida. **Marine Pollution Bulletin** 178: 113598.

72. Stewart, H.A., D.S. Janiak, J.L. Wright, D.A.G.A. Hunt, A. Carmona Cortes, K.T. Powell, L.J. Chapman, A.H. Altieri (2022) Epibiont community composition on red mangroves *Rhyzophora mangle* are contingent on root characteristics. **Marine Ecology Progress Series** 686: 15-35.

71. Crotty, S.M., T.S. Bianchi, A. Altieri, C. Angelini (2022) Reply to Wilson et al.: Feedbacks between geomorphology and fauna engineers are key to predicting coastal responses to rising seas. **Proceedings of the National Academy of Sciences USA** 119: e2118042119.

70. Thomsen, M.S., A.H. Altieri, C. Angelini, M.J. Bishop, F. Bulleri, R. Farhan, V.M.M. Fruhling, P.E. Gribben, S.B. Harrison, Q. He, M. Klinghardt, J. Langeneck, B.S. Lanham, L. Mondardini, Y. Mulders, S. Oleksyn, A.P. Ramus, D.R. Schiel, T. Schneider, A. Siciliano, B.R. Silliman, D.A. Smale, P.M. South, T. Wernberg, S. Zhang, and G. Zotz (2022). Heterogeneity within and among co-occurring foundation species increases biodiversity. **Nature Communications** 13: 581.

69. Boyd, A.D., N.S. Walker, S.R. Valdez, Y.S. Zhang, A.H. Altieri, V. Gulis, C. Crain, B. Silliman (2022) Invertebrate grazing on live turtlegrass (*Thalassia testudinum*): A common interaction that may facilitate fungal growth. **Frontiers in Marine Science** 8: 789380.

68. Johnson, M.D., S.D. Swaminathan, E.N. Nixon, V.J. Paul, A.H. Altieri (2021) Differential susceptibility of reef-building corals to deoxygenation reveals remarkable hypoxia tolerance. **Scientific Reports** 11: 1-12.

67. Johnson, M.D., L.M.R. Bravo, N. Lucey, A.H. Altieri (2021) Environmental legacy effects and acclimatization of a crustose coralline alga to ocean acidification. **Climate Change Ecology** 2: 100016.

66. Johnson, M.D., J.J. Scott, M. Leray, N. Lucey, L.M.R. Bravo, W.L. Wied, A.H. Altieri (2021) Rapid ecosystem-scale consequences of acute deoxygenation on a Caribbean coral reef. **Nature Communications** 12: 1-12.

65. Sellers, A.J., B. Leung, A.H. Altieri, J. Glanz, B.L. Turner, M.E. Torchin (2021) Seasonal upwelling reduces herbivore control of tropical rocky intertidal algal communities. **Ecology** 102: e03335.

64. Gaubert-Boussarie, J., A.H. Altieri, J.E. Duffy, J.E. Campbell (2021) Seagrass structural and elemental indicators reveal high nutrient availability within a tropical lagoon in Panama. **PeerJ** 9: e11308.

63. Knight, N.S., F. Guichard, A.H. Altieri (2021) A global meta-analysis of temperature effects on marine fishes' digestion across trophic groups. **Global Ecology and Biogeography** 30: 795-810.

62. Stewart, H.A., D.I. Kline, L.J. Chapman, A.H. Altieri (2021) Caribbean mangrove forests act as coral refugia by reducing light stress and increasing coral richness. **Ecosphere** 12: e03413.

61. Altieri, A.H., M.D. Johnson, S.D. Swaminathan, H.R. Nelson, K.B. Gedan (2021) Resilience of tropical ecosystems to ocean deoxygenation. **Trends in Ecology and Evolution** 36: 227-238.

60. Whalen, M.A., R.D.B. Whippo, J.J. Stachowicz, P.H. York, E. Aiello, T. Alcoverro, A.H. Altieri. . . J.E. Duffy +59 others (2020) Climate drives geography of marine consumption by changing predator communities. **Proceedings of the National Academy of Sciences USA** 117: 28160-28166.

59. Crotty, S.M., C. Ortals, T.M. Pettengill, L. Shi, M. Olabarrieta, M.A. Joyce, A.H. Altieri, E. Morrison, T.S. Bianchi, C. Craft, M.D. Bertness, C. Angelini (2020) Sea-level rise and the emergence of a keystone grazer alters the geomorphic evolution and ecology of southeast US salt marshes. **Proceedings of the National Academy of Sciences USA** 117: 17891-17902.

58. Nguyen, B.N., E.W. Shen, J. Seemann, A.M.S Correa, J.L. O'Donnell, A.H. Altieri, N. Knowlton, K.A. Crandall, S.P. Egan, W.O. McMillan, M. Leray (2020) Environmental DNA survey captures patterns of fish and invertebrate diversity across a tropical seascape. **Scientific Reports** 10: 1-14.

57. Staaterman, E., A.J. Gallagher, P.E. Holder, C.H. Reid, A.H. Altieri, M.B. Ogburn, J.L. Rummer, S.J. Cooke (2020) Exposure to boat noise in the field yields minimal stress response in wild reef fish. **Aquatic Biology** 29: 93-103.

56. O'Dea, A., M. Lepore, A.H. Altieri, M. Chan, J.M. Morales-Saldaña, N.-H. Muñoz, J.M. Pandolfi, M.A. Toscano, J. Zhao, and E.M. Dillon (2020) Defining variation in pre-human ecosystems can guide conservation: An example from a Caribbean coral reef**. Scientific Reports** 10: 2922.

55. Walker, J.E., C. Angelini, I. Safak, A.H. Altieri, and T.Z. Osborne (2019) Effects of changing vegetation composition on community structure, ecosystem functioning, and predator-prey interactions at the saltmarsh-mangrove ecotone. **Diversity** 11: 208.

54. Gribben, P.E., C. Angelini, A.H. Altieri, M.J. Bishop, M.S. Thomsen, and F. Bulleri (2019) Facilitation cascades in marine ecosystems: A synthesis and future directions. **Oceanography and Marine Biology - An Annual Review**: 57:127-168.

53. MacKenzie, K.M., D.R. Robertson, J.N. Adams, A.H. Altieri, B.L. Turner (2019) Structure and nutrient transfer in a tropical pelagic upwelling food web: From isoscapes to the whole ecosystem. **Progress in Oceanography** 178: 102145.

52. Crotty, S.M., A.H. Altieri, J.F. Bruno, H. Fischman, and M.D. Bertness (2019) The foundation for building the conservation capacity of community ecology. **Frontiers in Marine Science** 6: 238.

51. Nelson, H.R. and A.H. Altieri (2019) Oxygen: The universal currency on coral reefs. **Coral Reefs**: 38: 177-198.
*Awarded paper of the year by journal

50. Cheng, B.S., A.H. Altieri, M.E. Torchin, and G.M. Ruiz (2019) Can marine reserves restore lost ecosystem functioning? A global synthesis. **Ecology** 100: e02617.
*Featured as a "Research Highlight" in Nature Sustainability

49. Johnson, M. D., L. M. Rodriguez Bravo, S. E. O'Connor, N. F. Varley, and A. H. Altieri (2019) pH variability exacerbates effects of ocean acidification on a Caribbean crustose coralline alga. **Frontiers in Marine Science** 6: 150.

48. Cheng, B.S., G.M. Ruiz, A.H. Altieri, M.E. Torchin (2019) The biogeography of invasion in tropical and temperate seagrass beds: Testing interactive effects of predation and propagule pressure. **Diversity and Distributions** 25: 285-297.

47. Salas, A.K., A.H. Altieri, P.S. Wilson, T.H. Keitt (2018) Predicting the reef acoustic cuescape from the perspective of larval fishes across a habitat quality gradient. **Marine Ecology Progress Series** 605: 173-193.

46. Dunn, R.P., A.H. Altieri, K. Miller, M.E. Yeager, K.A. Hovel (2018) Contrasting behavioral responses to predatory risk cues reflect different foraging strategies in two Caribbean sea urchins. **Marine Ecology Progress Series** 604: 187-198.

45. Thomsen, M.S., A.H. Altieri, C. Angelini, M.J. Bishop, P.E. Gribben, G. Lear, Q. He, D.R. Schiel, B.R. Silliman, P.M. South, D.M. Watson, T. Wernberg, G. Zotz (2018)

Secondary foundation species enhance biodiversity. **Nature Ecology and Evolution** 2: 634-639.

44. Davidson, T.M., A.H. Altieri, G.M. Ruiz, M.E. Torchin (2018) Bioerosion in a changing world: a conceptual framework. **Ecology Letters** 21: 422-438.

43. Seemann, J., A. Yingst, R.D. Stuart-Smith, G.J. Edgar, A.H. Altieri (2018) The importance of sponges and mangroves in supporting fish communities on degraded coral reefs in Caribbean Panama. **PeerJ** 6: e4455.

42. Johnson M.D., L.M. Rodriguez, A.H. Altieri (2018) Shallow-water hypoxia and mass mortality on a Caribbean coral reef. **Bulletin of Marine Science** 94:143-144.

41. Campbell, J.C., A.H. Altieri, L.N. Johnston, C.D. Kuempel, R. Paperno, V.J. Paul, J.E. Duffy (2018) Herbivore community determines the magnitude and mechanism of nutrient effects on subtropical and tropical seagrasses. **Journal of Ecology** 106: 401-412.

40. Gedan, K.B., A.H. Altieri, I. Feller, R. Burrell, D. Breitburg (2017) Community composition in mangrove ponds with pulsed hypoxic and acidified conditions. **Ecosphere** 8: e02053.

39. Altieri, A.H., S.B. Harrison, J. Seemann, R. Collin, R.J. Diaz, N. Knowlton (2017) Tropical dead zones and mass mortalities on coral reefs. **Proceedings of the National Academy of Sciences USA** 114: 3660-3665.
*Featured as “Editors’ Choice” in Science.

38. Staaterman, E., M.B. Ogburn, A.H. Altieri, S.J. Brandl, R. Whippo, J. Seemann, M. Goodison, J.E. Duffy (2017) Bioacoustic measurements complement visual biodiversity surveys: preliminary evidence from four shallow marine habitats. **Marine Ecology Progress Series** 575: 207-215.

37. O'dea A., E.M. Dillon, A.H. Altieri, M.L. Lepore (2017) Look to the past for an optimistic future. **Conservation Biology** 31:1221-1222.

36. Dunn, R.P., A.H. Altieri, K. Miller, M. Yeager, K.A. Hovel (2017) Coral identity and structural complexity drive habitat associations and demographic processes for an increasingly important Caribbean herbivore. **Marine Ecology Progress Series** 577: 33-47.

35. Altieri, A.H. and A.D. Irving (2017) Species coexistence and the superior ability of an invasive species to exploit a facilitation cascade habitat. **PeerJ** 5: e2858.

34. Kuempel, C.D. and A.H. Altieri (2017) The emergent role of small-bodied herbivores in pre-empting phase shifts on degraded Caribbean reefs. **Scientific Reports** 7: 39670.

33. Nelson, H.R., C.D. Kuempel, and A.H. Altieri (2016) The resilience of reef invertebrate biodiversity to coral mortality. **Ecosphere** 7: e1399.

32. Van der Zee, E.M., C. Angelini, L.L. Govers, M.J.A. Christianen, A.H. Altieri, K.J. van der Reijden, B.R. Silliman, J. van de Koppel, M. van der Geest, J.A. van Gils, H.W. van der Veer, T. Piersma, P.C. de Ruiter, H. Olff, T. van der Heide (2016) How habitat forming organisms structure the food webs of two coastal ecosystems. **Proceedings of the Royal Society B** 283: 20152326.

31. He, Q., A.H. Altieri, B. Cui (2015) Herbivory drives zonation of stress-tolerant marsh plants. **Ecology** 96: 1318-1328.

30. Altieri, A.H. and K.B. Gedan (2015) Climate change and dead zones. **Global Change Biology** 21: 1395-1406.

29. Van de Koppel, J., T. van der Heide, A.H. Altieri, B.K. Eriksson, T.J. Bouma, H. Olff, B.R. Silliman (2015) Long-distance interactions regulate the structure and resilience of coastal ecosystems. **Annual Review of Marine Science** 7: 139-158.

28. Altieri, A.H. and J.D. Witman (2014) Modular mobile foundation species as reservoirs of biodiversity. **Ecosphere** 5: 124.

27. He, Q., M.D. Bertness, J.F. Bruno, B. Li, G. Chen, T.C. Coverdale, A.H. Altieri, J. Bai, T. Sun, S.C. Pennings, J. Liu, P.R. Ehrlich, B. Cui (2014) Economic development and coastal ecosystem change in China. **Scientific Reports** 4: 5995.

26. Coverdale, T.C., E.E. Axelman, C.P. Brisson, E.W. Young, A.H. Altieri, M.D. Bertness (2013) New England salt marsh recovery: Opportunistic colonization of an invasive species and its non-consumptive effect. **PLoS One** 8: e73823.

25. Yarrington, C.S., A.C. Tyler, A.H. Altieri (2013) Do snails facilitate bloom-forming macroalgae in a eutrophic estuary? **Journal of Experimental Marine Biology and Ecology** 446: 253-261.

24. Altieri, A.H., M.D. Bertness, T.C. Coverdale, E.E. Axelman, N.C. Herrmann, P.L. Szathmary (2013) Feedbacks underlie the resilience of salt marshes and rapid reversal of consumer driven die-off. **Ecology** 94: 1647-1657.

23. Coverdale, T.C., M.D. Bertness, A.H. Altieri (2013) Regional ontogeny of New England salt marsh die-off. **Conservation Biology** 27: 1041-1048.

22. Coverdale, T.C., N.C. Herrmann, A.H. Altieri, M.D. Bertness (2013) Latent impacts: the role of historical human activity in coastal habitat loss. **Frontiers in Ecology and the Environment** 11: 69-74.

21. He, Q., M.D. Bertness, A.H. Altieri (2013) Global shifts toward positive species interactions with increasing environmental stress. **Ecology Letters** 16: 695-706.

20. Coverdale, T.C., A.H. Altieri, M.D. Bertness (2012) Belowground herbivory increases vulnerability of New England salt marshes to die-off. **Ecology** 93: 2085-2094.

19. Altieri, A.H., M.D. Bertness, T.C. Coverdale, N.C. Herrmann, C. Angelini (2012) A trophic cascade triggers collapse of a salt marsh ecosystem with intensive recreational fishing. **Ecology** 93: 1402-1410.

18. Gedan, K.B., A.H. Altieri, M.D. Bertness (2011) Uncertain future of New England marshes. **Marine Ecology Progress Series** 434: 229-237.

17. Silliman, B.R., M.D. Bertness, A.H. Altieri, J.N. Griffin, M.C. Bazterrica, F.J. Hidalgo, C.M. Crain, M.V. Reyna (2011) Whole-community facilitation regulates biodiversity on Patagonia rocky shores. **PLoS One** 6: e24503.

16. Angelini, C., A.H. Altieri, B.R. Silliman, and M.D. Bertness (2011) Interactions among foundation species and their consequences for community organization, biodiversity, and conservation. **BioScience** 61: 782-789.

15. Thomsen, M.S., T. Wernberg, A. H. Altieri, F. Tuya, D. Gulbransen, K. McGlathery, M. Holmer, B.R. Silliman (2010) Habitat cascades: the conceptual context and global relevance of indirect positive effects. **Integrative and Comparative Biology** 50: 158-175.

14. Altieri, A.H., B.K. van Wesenbeeck, M.D. Bertness, B.R. Silliman (2010) Facilitation cascade explains positive relationship between native biodiversity and invasion success. **Ecology** 91: 1269-1275. *Selected for review by the Faculty of 1000 Biology

13. Bertness, M.D., C. Holdredge, A.H. Altieri (2009) Substrate mediates consumer control of salt marsh cordgrass on Cape Cod, New England. **Ecology** 90: 2108-2117.

12. Altieri, A.H, G.C. Trussell, P.J. Ewanchuk, G. Bernatchez, M.E.S. Bracken (2009) Consumers control diversity and functioning in a natural marine ecosystem. **PLoS One** 4: e5291.

11. Holdredge, C., M.D. Bertness, A.H. Altieri (2009) Role of crab herbivory driven die-off of New England salt marshes. **Conservation Biology** 23: 672-679.

10. Altieri, A.H. (2008) Dead zones enhance key fisheries species by providing predation refuge. **Ecology** 89: 2808-2818.
*Selected for Ecological Society of America's monthly podcast (Field Talk, 10/08).

9. Van Wesenbeeck, B.K., C.M. Crain, A.H. Altieri, M.D. Bertness (2007) Distinct habitat types arise along a continuous hydrodynamic stress gradient due to the interplay of competition and facilitation. **Marine Ecology Progress Series** 349: 63-71.

8. Altieri, A.H., B.R. Silliman, M.D. Bertness (2007) Hierarchical organization via a facilitation cascade in intertidal cordgrass bed communities. **American Naturalist** 169: 195-206.

7. Zabin, C.J. and Altieri, A. (2007) A Hawaiian limpet facilitates recruitment of a competitively dominant invasive barnacle. **Marine Ecology Progress Series** 137: 175-185.

6. Altieri, A.H. (2006) Inducible variation in hypoxia tolerance across the intertidal-subtidal distribution of the blue mussel *Mytilus edulis*. **Marine Ecology Progress Series** 325: 295-300.

5. Altieri, A.H. and J.D. Witman (2006) Local extinction of a foundation species in a hypoxic estuary: integrating individuals to ecosystem. **Ecology** 87: 717-730.

4. Van de Koppel, J., A. H. Altieri, B.R. Silliman, J. F. Bruno, M. D. Bertness (2006) Scale-dependent interactions and community structure on cobble beaches. **Ecology Letters** 9: 45-50.

3. Lindsey, E.L., A.H. Altieri, J.D. Witman (2006) Influence of biogenic habitat on the recruitment and distribution of a subtidal xanthid crab. **Marine Ecology Progress Series** 306: 223-231.

2. Silliman, B.R., C.A. Layman, A.H. Altieri (2003) Symbiosis between an alpheid shrimp and a xanthoid crab in salt marshes of mid-Atlantic states, U.S.A. **Journal of Crustacean Biology** 23: 876-879.

1. Altieri, A.H. (2003) Settlement cues in the locally dispersing temperate cup coral *Balanophyllia elegans*. **Biological Bulletin** 204: 241-245.

## BOOK CHAPTERS

6. Altieri, A.H., H.R. Nelson, K.B. Gedan (2019) The significance of ocean deoxygenation for tropical ecosystems – corals, seagrasses, and mangroves. Pages 401-429 *in* Ocean Deoxygenation: Everyone's problem – Causes, impacts, consequences and solutions. D, Loffoley & J.M. Baxter, editors. IUCN, Gland, Switzerland.

5. Altieri, A.H. (2019) Dead zones: Low oxygen in coastal waters. Pages 22-34 *in* Encyclopedia of Ecology. B. Fath, editor. Elsevier Academic Press, Oxford, UK.

4. Altieri, A.H. and R.J. Diaz (2019) Dead zones: Oxygen depletion in coastal ecosystems. Pages 453-473 *in* World Seas: An Environmental Evaluation. C. Sheppard, editor. Elsevier Academic Press, Oxford, UK.

3. Altieri, A.H. (2015) Ecosystem Engineers. *Oxford Bibliographies*. Oxford University Press, Oxford, UK.

2. Altieri, A.H. and J. Van De Koppel (2013) Foundation species in marine ecosystems. Pages 37-56 *in* Marine Community Ecology and Conservation. M. D. Bertness, J. F. Bruno, B. R. Silliman, and J. J. Stachowicz, editors. Sinauer Associates, Sunderland, MA, USA.

1. McCoy, M.W., A.H. Altieri, C. Holdredge, M.S. Thomsen, and B.R. Silliman (2012) Facilitation. Pages 276-279 *in* Encyclopedia of Theoretical Ecology. A. Hastings and L.J. Gross editors. University of California Press, Oakland, CA, USA.

## PUBLISHED DATASETS

2. Schile-Beers, L.M., A.H. Altieri J.P. Megonigal (2023) Dataset: Mangrove, tidal wetland and seagrass soil carbon stocks along latitudinal gradients. Smithsonian Environmental Research Center. Dataset. https://doi.org/10.25573/serc.11971527.v1

1. Keith, D. A., Ferrer-Paris, J. R., Nicholson, E., Bishop, M. J., Polidoro, B. A., Ramirez-Llodra, E., Tozer, M. G., Nel, J. L., Mac Nally, R., Gregr, E. J., Watermeyer, K. E., Essl, F., Faber-Langendoen, D., Giller, P. S., Robson, B. J., Franklin, J., Lehmann, C. E. R., Etter, A., Roux, D. J.,. . . A.H. Altieri. . . Kingsford, R. T. + 103 others (2020) Indicative Distribution Maps for Ecological Functional Groups - Level 3 of IUCN Global Ecosystem Typology. Digital or Visual Products https://zenodo.org/record/4018314/

## GRANTS

(Awards since 2018 = $8.6M; values in US dollars)

2025-2029 US Army Corps of Engineers, US Army Engineer Research and Development Center, "Advancing the design and implementation of nature-based solutions for resilient coastlines through multi-sector and interdisciplinary collaboration", $6,822,234 ($2,453,244 to Altieri) A.H. Altieri, P. Adams, J. Bruck, M.

Olabarrieta, A. Sheremet, N. Stark, B. Wilkinson, Xiao Yu.

2025-2026 The Nature Conservancy/US Department of Defense, “Intervention to slow seagrass loss and erosion at seagrass enhancement project site in St. Andrew Sound”, $137,188. **A.H. Altieri** and Bea Marin Diaz.

2024-2026 BESE/Partners for Water (the Netherlands), “Development of new MARine biodegradable BESE elements To Introduce In Florida for nature based coastal flooding defense – Project MARTINI”, $25,188 ($25,188 to Altieri) C. Angelini and **A.H. Altieri**.

2023-2028 National Science Foundation, Biological Oceanography, “CAREER: Life after death in coral reefs: Testing the pivotal role of dead corals in ecosystem resilience”, $823,213. **A.H. Altieri**.

2023-2027 National Fish and Wildlife Foundation, “Phase II: Partnering with Multiple Stakeholders to Innovate Salt Marsh Restoration Techniques that Reuse Dredged Sediment, Maintain Navigation, and Protect Coastal Community Infrastructure within the Lower St Johns River Watershed (FL)”, $1,048,020 ($1,048,020 to Altieri). C. Angelini and **A.H. Altieri**.

2023-2024 US Dept of Treasury, “Bay County RESTORE Act: East Bay Living Shoreline and Seagrass Project”, $63,788 ($57,589 to Altieri). **A.H. Altieri** and C. Angelini.

2022-2025 The Nature Conservancy/US Department of Defense, “Coastal resilience at Tyndall Air Force Base: Nature-based coastal resilience solutions for installation resilience, mission assurance and environmental conservation”, $1,422,273 ($861,661 to Altieri). C. Angelini, A. Sheremet, **A.H. Altieri**.

2022-2024 Schmidt Marine Technology Partners through GROW Oyster Reefs, “The marriage of oysters and seagrass: restoring ecosystems, protecting shorelines, and sequestering carbon”, $19,979. **A.H. Altieri**.

2021-2025 National Science Foundation, Biological Oceanography, “Collaborative Research: Biodiversity and resilience of corals and their microbiomes in response to ocean deoxygenation”, $1,204,131 ($448,187 to Altieri). **A.H. Altieri**, J.L. Meyer, R. Collin.

2021-2025 US Army Corps of Engineers, US Army Engineer Research and Development Center, “Enhancing Engineering With Nature Design and Implementation in Coastal Systems through Multi-Sector and Interdisciplinary Collaboration”, $2,998,063 ($1,233,068 to Altieri). C. Angelini, P. Adams, **A.H. Altieri**, A. Sheremet, X. Yu.

2021-2024 Natl Fish & Wildlife Found., “Quantifying thresholds and testing interventions to optimize coral restoration in the FL Keys”, $149,204. **A.H. Altieri**.

2021-2023 Ocean Conservancy, “The ecological response to the Piney Point gypsum stack releases”, $24,000 ($11,496 to Altieri). E. Morrison, **A.H. Altieri**, E. Phlips.

2018-2024 National Oceanic and Atmospheric Administration, “Assessing the threat of hypoxia to tropical ecosystems: A multi-stressor framework to support coral restoration efforts”, $768,798 ($456,640 to University of Florida). **A.H. Altieri**, M.D., Johnson, V.J. Paul.

2018-2022 National Science Foundation, Biological Oceanography, “The tropicalization of Western Atlantic seagrass beds”, $1,154,919 ($699,095 to Smithsonian Institution). J.E. Campbell, V.J. Paul, **A.H. Altieri**, K.L. Heck, J.G. Douglass.

2016-2021 1923 Fund Foundation, “Marine conservation fellowship program: A STRI-UF collaboration to bridge the Americas”, $478,469 ($239,820 to STRI). **A.H. Altieri**, T.M. Davidson, C. Angelini, T.Z. Osborne.

2016-2019 Ajana Foundation and Hoch Charitable Trust, “Building capacity for two-ocean monitoring at STRI”, $250,000. **A.H. Altieri** and R. Collin.

2016-2017 Smithsonian Institution, Scholarly Studies Award, “The scaling of diversity in tropical marine ecosystems”, $36,400. **A.H. Altieri**, M. Leray, and N. Knowlton.

2014-2015 Smithsonian Institution, Grand Challenges Grant from Consortium for Understanding and Sustaining a Biodiverse Planet, “An experimental network for understanding seagrass (*Thalassia testudinum*) biodiversity and ecology— Advancing the Tennenbaum Marine Observatories Network”, $100,000. V.J. Paul, **A.H. Altieri,** J.E. Campbell, and J. E. Duffy.

2010-2013 National Science Foundation, Biological Oceanography, “Is overfishing triggering the die-off of Northeastern US salt marshes?”, $491,000. M.D. Bertness and **A.H. Altieri**.

2005 American Museum of Natural History, Lerner-Gray Fund for Marine Research, “Quantifying the full impact of oxygen depletion on the dynamics and community composition of a temperate estuary”, $1,800. **A.H. Altieri**.

2005 RI Sea Grant, “Supplement to Quantifying the impact of hypoxia on benthic communities of Narragansett Bay”, $5,500. **A.H. Altieri** and J.D. Witman.

2005 Quebec-Labrador Foundation/Atlantic Center for the Environment, Sounds Conservancy, Assessing the full impact of oxygen depletion on the Narragansett Bay estuarine community”, $2,200. **A.H. Altieri**.

2003 Watson Institute for International Studies, “Assessing the ecosystem service value of upwelling in the Galapagos”, $5,000. **A.H. Altieri**

2003-2005 Rhode Island Sea Grant, “Quantifying the impact of hypoxia on the benthic community of Narragansett Bay”, $66,500. **A.H. Altieri** and J.D. Witman.

2002 U.S Environmental Protection Agency, New England Interstate Water Pollution Control Commission, “The effects of water quality degradation on the foundation species blue mussel and the associated benthic community of Narragansett Bay”, $18,200. **A.H. Altieri** and Jon D. Witman.

2001-2004 National Oceanic and Atmospheric Administration, "Structuring of the estuarine community by the mussel *Mytilus edulis*", $51,500. **A.H. Altieri** and Jon D. Witman.

## TEACHING EXPERIENCE

2026-present Instructor, *Restoration & Conservation of Tropical Coastlines*, Univ of Florida

2024-present Instructor, *Environmental Engineering Core, ECO unit*, University of Florida

2020 Co-instructor, *Tropical Wetland Conservation*, University of Florida

2019-2022 Instructor, *Ecological Engineering*, University of Florida

2018-2024 Instructor, *Ecosystem Engineers*, University of Florida

2011 Instructor, *Tropical Biology*, Brown University (in Panama)

2008-2010 Instructor, *Marine Ecology*, Brown University.

2010 Co-instructor, *Coastal Ecology and Conservation*, Brown University

2007-2008 Instructor, *Invertebrate Zoology*, Brown University.

2007 Instructor, *Marine Protected Areas Workshop*, Northeastern University (in Moorea, French Polynesia).

2006 Instructor, *Marine Invertebrate Zoology*, Northeastern University.

2005-2006 Co-instructor, *Tropical Marine Biology*, Univ of Virginia (in the Bahamas).

2005 Co-instructor, *Tropical Biology*, Brown University (in Belize).

2004 Teaching Certificate in Higher Education, Sheridan Center, Brown University.

2000-2005 Teaching Assistant, *Conservation Biology*, *Principles of Ecology*, *Invertebrate Zoology*, and *Animal Behavior*, Brown University.

1996 Intern, Public Education & Outreach Program, Long Marine Lab, UCSC.

## STUDENT ADVISING AND MENTORSHIP

*Postdocs (Listed with current positions)*
Aaron Bland (2026-present)
Patrick Saldaña (2024-present)
Bea Marin Diaz (2022-2025), Postdoc, Mediterranean Institute for Advanced Studies
Hallie Fischman (2024-2025), Biologist, US Geological Survey
Diana Chin (2020-2023), Assoc Research Scientist, Northeastern University; Metro Boston Regional Coordinator, MassBays National Estuary Partnership
Maggie Johnson (2016-2019), Asst Professor, King Abdullah Univ of Science and Tech
Matthieu Leray (2016-2018), Staff Scientist, Smithsonian Tropical Research Institute
Kirsteen MacKenzie (2016-2017), Researcher, Institute of Marine Research, Norway
Laura Núñez Pons (2016-2017), Faculty, Stazione Zoologica Anton Dohrn, Italy
Janina Seemann (2015-2017), Manager, Ministry of Environment, Germany

Erica Staaterman (2015-2017), Scientist, Bureau of Ocean Energy Management
Brian Cheng (2014-2017), Assistant Professor, UMass Amherst
Lisa Schile (2014-2016), Senior Associate, Silvestrum Climate Associates

*Graduate students (Listed with current positions)*
Julie Fernandez, PhD student (2026-present)
Andrew McInnis, PhD student (2024-present)
Adam Hymel, PhD student (2023-present)
Britney Hay, PhD student (2022-present)
Joe Marchionno, PhD student (2021-present)
Adrian Sakr, PhD student (2026), postdoc, University of Georgia
Dakota Lewis, PhD student (2026), postdoc, University of Central Florida
Allison Cauvin, PhD student (2025), co-advised with Julie Meyer, Data Management Analyst, University of Florida
Sara Swaminathan, PhD (2024), postdoc, Bigelow Laboratory for Ocean Sciences
Patrick Saldaña, PhD (2024), postdoc, University of Florida
Nicole Knight, PhD (2023), co-advised with Fred Guichard, Postdoctoral Fellow, University of British Columbia
Kathryn Grabowski, MSc (2023), co-advised with Andy Gonzalez, PhD student, University of British Columbia
Heather Stewart, PhD (2021), co-advised with Lauren Chapman, Biologist, US Fish and Wildlife Service
Caitlin Kuempel, MSc (2014), Lecturer, Griffith University

*Undergraduate students, interns, and grad fellows (Listed with current positions)*
*Representative list from 40+ students*
Farid Ahmed, Civil Analyst, Kimley-Horn
David Deacon, PhD student, University of Florida
Brooke Dekle, MSc student, University of North Florida
Robert Dunn, Founder and Principal, Ecological Dynamics LLC
Julie Fernandez, Undergraduate student, University of Florida
Teagan Frazier, Surface Water Analyst, Kimerly-Horn
Viktoria Frühling, SPC Secretariat and Session Officer, Stockholm International Water Inst.
Alyssa Guariniello, Water Resources E.I., Jones Edmunds
Seamus Harrison, Coastal Ecologist, Research Planning, Inc
Irene Kopelman, Independent artist
Leighton Levering, Master's student, James Cook University
Lauren Linsmayer, Professional Staff Member, US House of Representatives
Bryan Nguyen, PhD student, George Washington University
Andria Salas, Postdoc, Woods Hole Oceanographic Institution
Michael Hynes, PhD student, University of Amsterdam
Lucia Rodriguez, Technician, King Abdullah University of Science and Technology
Elaine Shen, PhD student, Rice University
Nicholas Varley, Technician, Coral Restoration Foundation
William Wied, Postdoctoral Biologist, Florida Fish and Wildlife Conservation Commission

## FELLOWSHIPS AND AWARDS

2026 Scott and Lindy Hearne Rising Star Professorship.

2023 National Science Foundation CAREER Award.

2020 Best Paper of the Year for journal *Coral Reefs*. For “Oxygen: the universal currency on coral reefs”.

2006 Presidential Award for Excellence in Teaching (Honorable Mention), Brown University.

2005 John G. Peterson Fellowship, Brown University. Merit-based award to one graduate student in the Division of Biology and Medicine annually.

2004 Faculty Scholar Award, Brown University. Merit-based award to three students in the Graduate School annually.

2003 Best Student Paper Award, 84$^{th}$ Annual Western Society of Naturalists Meeting.

2003 Luce Graduate Environmental Fellowship, Watson Institute for International Studies

2003 Best Student Paper Award, 32$^{nd}$ Annual Marine Benthic Ecology Meeting.

2001 Graduate Research Fellowship, National Estuarine Research Reserve System, National Oceanic and Atmospheric Administration.

1999 Dean’s Award for Undergraduate Research, Division of Natural Sciences, University of California Santa Cruz (UCSC).

1999 Honors in the Major, Department of Biology, UCSC.

1999 Senior Thesis Honors, Department of Biology, UCSC.

1998 President’s Undergraduate Fellowship, University of California.

1998 Student Research Award, Long Marine Laboratory, UCSC.

## INVITED PRESENTATIONS

2026 The Water Institute
2025 University of North Carolina Chapel Hill, Institute of Marine Sciences
2025 Loggerhead Marinelife Center
2025 US Army Corps of Engineers, Engineer Research and Development Center
2025 San Diego State University, Department of Biology
2025 University of Virginia, Department of Environmental Sciences
2023 Mote Marine Laboratory, Coral monthly seminar series
2023 University of Pisa, Department of Biology
2023 Smithsonian Tropical Research Institute
2023 King Abdullah University of Science and Technology, Red Sea Research Center
2022 Liege University, 53$^{rd}$ International Colloquium on Ocean Dynamics
2019 Stony Brook University, School of Marine and Atmospheric Sciences
2019 University of Houston, Department of Biology and Biochemistry
2019 Brown University, Department of Ecology and Evolutionary Biology
2018 UC Santa Barbara, Department of Ecology, Evolution, and Marine Biology
2018 Smithsonian Marine Station Ft. Pierce
2017 NOAA National Ocean Service (NOS) Science Seminar
2016 University of Florida, Engineering School for Sustainable Infrastructure & Environment

2015 University of Canterbury, Department of Biological Sciences
2013 McGill University, Department of Biology
2012 PEW Marine Fellows Meeting, Models for coupled human and natural ecosystems
2012 Asociacion Panameña para el Avance de la Ciencia, Symposio Especies Invasoras
2011 Coastal & Estuarine Research Federation, Recreational fishing & ecosystem collapse
2011 University of Rhode Island, Department of Natural Resources Science
2011 Northeastern University, Marine Science Center
2011 Smithsonian Institution, Smithsonian Tropical Research Institute
2011 George Washington University, Department of Biological Sciences
2011 University of Maryland, Chesapeake Biological Laboratory
2010 American Physiological Society, Global Change and Global Science
2010 University of Groningen, Center for Ecological and Evolutionary Studies
2010 Netherlands Institute of Ecology, Center for Estuarine and Coastal Ecology
2010 University of Massachusetts – Boston, Department of Biology
2010 Texas A&M University – Corpus Christi, Department of Life Sciences
2009 Coastal & Estuarine Research Federation, Hypoxia Impacts on Coastal Ecosystems
2009 Boston University, Department of Biology
2008 Harvard University, Harvard Forest
2008 Florida International University, Department of Biological Sciences
2007 San Diego State University, Department of Biology
2007 NOAA – Ecological Impact of Hypoxia on Living Resources Symposium & Workshop
2007 University of California Davis, Center for Population Biology
2007 University of Rhode Island, Graduate School of Oceanography
2006 Save the Bay (Narragansett Bay region's largest restoration and outreach NGO)
2006 U.S. Environmental Protection Agency, New England Regional Office
2006 University of Rhode Island, Department of Biological Sciences
2006 University of New Hampshire, Department of Natural Resources
2005 University of California Davis, Bodega Marine Laboratory
2005 Duke University Marine Laboratory
2005 3rd Annual Ronald C. Baird Sea Grant Science Symposium on RI Coastal Ecosystems
2002 Northeastern University, Marine Science Center

## CONTRIBUTED PRESENTATIONS

(Recent seven years; Underline indicates student author)

Hay, B., A. Hymel, J.P. Morton, M. Schneider, C. Angelini, D.W. Perkey, K.T. Powell, A.H. Yarnall, A.H. Altieri (2026) A song of marsh, mud and mangrove: using sediment to restore Florida's changing coastal wetlands. Guana Tolomato Matanzas National Estuarine Research Reserve (GTM-NERR) State of the Reserve Symposium 2026.

Hymel, A., A.H. Altieri, O. Cordero, C. Saltus, C. Angelini (2026) Remote sensing to inform coastal restoration: Tracking habitat changes in Florida's coastal wetlands. Guana Tolomato Matanzas National Estuarine Research Reserve (GTM-NERR) State of the Reserve Symposium 2026.

Dekle, B.E., D.M. Lewis, A.H. Altieri (2026) Quantifying shifts in Grunt age and growth rates across the Florida Keys Reef Tract. Florida Chapter of the American Fisheries Society Annual Meeting.

Fernandez, J., S.D. Swaminathan, J.L Meyer, M.D. Johnson, V.J. Paul, A.H. Altieri (2026) Response of *Acropora cervicornis* and *Orbicella annularis* coral microbiomes to ocean warming and deoxygenation. 54th Annual Benthic Ecology Meeting.

Altieri, A.H., B. Marin Diaz, C. Angelini (2026) Simple sustainable intervention to reverse ecological feedback driving seagrass retreat. 10th Biennial UF Water Institute Symposium.

Chappel, A.R., M.E. Sanford, A.H. Altieri, E.J. Phlips, E.S. Morrison (2026) Key ecological indicators reveal changes in seagrass meadows in an anthropogenic influenced estuary. 10th Biennial UF Water Institute Symposium.

Hill, C.E.L., S.D. Swaminathan, T. Vekich, J. Fernandez, H. Vaughan, A.H. Altieri, V. Paul, M.D. Johnson (2026) Hypoxia and thermal stress impair biological functioning in the reef building Caribbean corals *Acropora cervicornis* and *Orbicella faveolata.* Nature Conferences – Corals, Coasts and One Health, King Abdullah University of Science and Technology.

Altieri, A.H., B. Marin Diaz, C. Angelini (2026) Simple sustainable intervention to reverse ecological feedback driving seagrass retreat. Coastal and Estuarine Research Federation 28th Biennial Conference.

Hay, B., A. Hymel, J. Morton, M. Schneider, C. Angelini, A. Altieri (2025) Restoration shifts species dominance with implications for pace of species expansion at the marsh-mangrove ecotone. Coastal and Estuarine Research Federation 28th Biennial Conference.

Sakr, A. A. Altieri, J. Bruck, C. Angelini (2025) Developing interdisciplinary collaboration in coastal nature-based infrastructure. Coastal and Estuarine Research Federation 28th Biennial Conference.

Chappel, A., A. Altieri, M. Sanford, E. Phlips, E. Morrison (2025) Carbon and nutrients in seagrass and macroalgae biomass reveal drivers of change. Coastal and Estuarine Research Federation 28th Biennial Conference.

Hymel, A., A. Altieri, O. Cordero, C. Angelini, C. Saltus (2025) Remote sensing to inform restoration: Tracking habiat changes in Florida's coastal wetlands. Coastal and Estuarine Research Federation 28th Biennial Conference.

Sakr, A., A. Altieri, E. Milbrandt, J. Morton, C. Angelini, L. Mazor (2025) Optimizing material selection for living shorelines and oyster restoration. Coastal and Estuarine Research Federation 28th Biennial Conference.

Schul, M.D., C. Hiaasen, K. Januszkiewicz, R. Howard, A. Altieri, J. Meyer (2025) Investigating in situ microbial transmission dynamics among reef consumers and stony corals. American Society for Microbiology – Microbe Annual Meeting.

Cauvin, A., C. Becker, A. Altieri, B. Walker, J. Meyer (2025) Evaluating the role of microbial genes in coral disease resistance. American Society for Microbiology – Microbe Annual Meeting.

Lewis, D.M., M.N. Schrandt, J.P. Davis, W.F. Patterson III, and A.H. Altieri (2025) How will Everglades restoration impact fish community structure & trophic dynamics in Florida Bay? Florida FWC Fisheries Independent Monitoring Annual Meeting.

Chappel, A., M. Sanford, A. Altieri, E. Phlips, E. Morrison (2025) Wastewater nutrients assimilated into seagrass and macroalgae biomass reveal drivers and mechanisms of resilience in submerged aquatic vegetated habitats. American Ecological Engineering Society Annual Meeting.

Hymel, A., B. Hay, A. Altieri, C Angelini (2025) Leveraging Foundation Species' Mutualisms to Enhance TLP Restoration Success. 11th Biennial North Florida Marine Science Symposium.

Cauvin, A., C. Becker, A. Altieri, B.K. Walker, J.L. Meyer (2025) Evaluating the role of microbial genes in coral disease resistance. 11th Biennial North Florida Marine Science Symposium.

Levering, L., P, Saldaña, A. Altieri (2025) Can partial mortality contribute to resilience in the massive starlet coral (*Siderastrea siderea*)? 11th Biennial North Florida Marine Science Symposium.

Palacios, M.L., A.H. Altieri, P.H. Saldaña (2025) Invertebrate colonization of dead corals in a benthic species interaction network: implications for regime shifts. 11th Biennial North Florida Marine Science Symposium.

Grant, A., S. Swaminathan, A. Altieri (2025) Key drivers of growth and survival for coral outplanting restoration success in the Florida Keys. 11th Biennial North Florida Marine Science Symposium.

Marin-Diaz, B., C. Angelini, A. Altieri (2025) Bamboo stockades to slow down seagrass retreat. 11th Biennial North Florida Marine Science Symposium.

Fernandez, J., S. Swaminathan, J. Meyer, A. Altieri (2025) Response of *Acropora cervicornis* and *Orbicella annularis* coral microbiomes to ocean warming and deoxygenation. 11th Biennial North Florida Marine Science Symposium.

Dekle, B., D. Lewis, A. Altieri (2025) Age and Body Condition of White and Bluestripe Grunts Across Reefs in the Florida Keys. 11th Biennial North Florida Marine Science Symposium.

Hay, B., A. Hymel, A. Moore, K. Austin, T. Osborne, C. Angelini, A. Altieri (2025) Implications for carbon storage in sediment-restored coastal wetlands. 11th Biennial North Florida Marine Science Symposium.

Sakr, A., L. Mazor, J.P. Morton, A.H. Altieri (2025) Changing of the garden: evaluating the performance and ecosystem functionality of novel oyster garden structures. 11th Biennial North Florida Marine Science Symposium.

Schul, M.D., C. Hiaasen, K.E. Januszkiewicz, R.D. Howard, A.H. Altieri, J.L. Meyer (2025) Exploring in situ microbial sharing dynamics in urchin-coral symbiosis. 11th Biennial North Florida Marine Science Symposium.

Lewis, D.M. and A.H. Altieri (2025) Positive interspecific interactions on coral reefs in a changing climate: A review. 11th Biennial North Florida Marine Science Symposium.

Sakr, A. and A.H. Altieri (2024) Living in a material world: Support for the use of natural and alternative materials in coastal restoration and living shorelines. Restore America's Estuaries Coastal and Estuarine Summit.

Altieri, A., A. Guariniello, A. Maruniak, G. Reyes, A. Sakr (2024) Harnessing facilitation cascades improves the design of coastal green infrastructure. Restore America's Estuaries Coastal and Estuarine Summit.

Hay, B., A. Hymel, J. Morton, M. Schneider, C. Angelini, A. Altieri (2024) Predicting the outcomes of sediment addition in Florida's changing coastal landscape. Restore America's Estuaries Coastal and Estuarine Summit.

Saldaña, P.H., N. Lang, A. Altieri (2024) Investigating the relevance of species interactions for the community assembly of Caribbean coral reefs: a multi-year experiment. Ecological Society of America 109th Annual Conference.

Marin Diaz, B., C. Angelini, A. Altieri (2024) Exploring feedbacks preventing seagrass colonization using passive restoration techniques. Ecological Society of America 109th Annual Conference.

Lewis, D.M., M.N. Schrandt, J.P. Davis, A.H. Altieri (2024) Quantifying the effects of habitat degradation on trophic niche partitioning of juvenile fish. 154th American Fisheries Society Annual Meeting.

Schul, M.S., C. Hiaasen, K.E. Januszkiewicz, R.D. Howard, A.H. Altieri, J.L. Meyer (2024) Exploring in situ microbial sharing dynamics in urchin-coral symbiosis. European Coral Reef Symposium.

Lucey, N., C. Cesar-Avila, E. Kline, R. Collin, A.H. Altieri, C. Deutsch (2024) Metabolic storms drive coral bleaching and mortality. European Coral Reef Symposium.

Nuñez-Pons, L., M. Carbone, J. Efremova, G. Signa, N. Etxebarría, B. González Gaya, N. Muñoz, S. Tizzini, M.L. Ciavatta, M. Gavagnin, A.H. Altieri (2024) Let's have some symbiotic conversations: Holobiont functions mediate coral and sponge competition. European Coral Reef Symposium.

Pezner, A., C. Dougan, R. Mason, E. Pontes, C. Langdon, A. Altieri, V.J. Paul M. Johnson (2024) Experimental impacts of coral reef degradation: A multi-stressor approach. American Geophysical Union, Ocean Sciences Meeting.

Saldaña, P.H., C. Angelini, A. Altieri (2023) Grateful for the dead: dead foundation species drive ecosystem dynamics. Coastal and Estuarine Research Federation 27th Biennial Conference.

Boyd, A., N. Walker, S.R. Valdez, Y.S. Zhang, A. Altieri, V. Gulis, C.M. Crain, B.R. Silliman (2023) Invertebrate grazing on live turtlegrass (*Thalasisa testudinum*): a common interaction that can facilitate fungal infection. Coastal and Estuarine Research Federation 27th Biennial Conference.

Sakr, A., C. Angelini, E. Milbrandt, A. Altieri. Evaluating Alternative Oyster Garden Structures and Materials in a Residential Canal System (2023) Coastal and Estuarine Research Federation 27th Biennial Conference.

Hay, B. and A. Altieri (2023) Testing responses to sediment addition in a marsh-mangrove ecotone. Coastal and Estuarine Research Federation 27th Biennial Conference.

Marin Diaz. B., C. Angelini, A. Altieri (2023) Exploring feedbacks preventing seagrass colonization and passive restoration techniques. Coastal and Estuarine Research Federation 27th Biennial Conference.

Altieri, A., A. Guariniello, A. Maruniak, G. Reyes, A. Sakr (2023) Harnessing facilitation cascades in the design of coastal green infrastructure. Coastal and Estuarine Research Federation 27th Biennial Conference.

Lowell, A., D. Kline, A. Altieri, N. Lucey, C. Finelli, R. Thacker, B. Peterson (2023) Assessing physiological acclimation potential of *Porites porites* along a density gradient of *Thalissia testudinum.* Coastal and Estuarine Research Federation 27th Biennial Conference.

Knight, N.S., A.J. Sellers, F. Guichard, M. Leray, M. Torchin, A. Altieri (2023). Linking damselfish performance and distribution across a tropical upwelling mosaic. Coastal and Estuarine Research Federation 27th Biennial Conference.

Swaminathan, S.D. and A.H. Altieri (2023) Recent heatwave shifts coral reef communities in unexpected ways. Western Society of Naturalists 104th Annual Meeting.

Sakr, A., C. Angelini, E. Milbrandt, A. Altieri (2023) Evaluating Alternative Oyster Garden Structures and Materials in a Residential Canal System. 23rd Annual Meeting of the American Ecological Engineering Society.

Mallon, J.E., V. Paul, A. Demko, J. Sneed, L. Newman, C. Melendez-Declat, E. Hall, A. Quasenella, M. Sante, T. Cyronak, A. Altieri, M.D. Johnson (2023) Ocean deoxygenation impacts on coral metabolism, larval settlement and recruit survivorship. 40th Annual Scientific Meeting of the Association of Marine Laboratories of the Caribbean.

Altieri, A. H., K.B. Gedan, M. Leray, N. Lucey, L.M. Rodriguez, H.R. Nelson, J.J. Scott, S.D. Swaminathan, W.L. Wied, M.D. Johnson (2023) The resilience of coral reefs to ocean deoxygenation. 51st Annual Benthic Ecology Meeting.

Pezner, A., C. Dougan, R. Mason, J. Ha, A. Altieri, V. Paul, M. Johnson (2023) Experimental impacts of coral reef deoxygenation: A multi-stressor approach. 51st Annual Benthic Ecology Meeting.

Saldaña, P.S., N.A. Goetz, H. Vaughan, A.H. Altieri (2023) Friend of the dead: zoanthids decrease urchin-induced erosion of dead coral. 10th Biennial North Florida Marine Science Symposium, Marineland, FL.

Marin-Diaz B., A.H. Altieri, C. Angelini (2023) Exploring feedbacks preventing seagrass colonization and passive restoration techniques. 10th Biennial North Florida Marine Science Symposium, Marineland, FL.

Swaminathan, S.D., K. Lafferty, A.H. Altieri (2023) Stony Coral Tissue Loss Disease threatens reef fish by altering benthic communities. 10th Biennial North Florida Marine Science Symposium, Marineland, FL.

Marin-Diaz B., A.H. Altieri, C. Angelini (2022) Unravelling feedbacks preventing seagrass colonization. Restore American's Estuaries - Coastal & Estuarine Summit.

Saldaña, P., N. Goetz, A. Altieri (2022) Rethinking the roles of non-trophic and trophic interactions on coral accretion rates in degraded reef systems. 15th International Coral Reef Symposium.

Swaminathan, S., M Johnson, J. Meyer, V. Paul, A. Altieri (2022) Resilience of the *Acropora cervicornis* microbiome to hypoxia and host physiological stress. 15th International Coral Reef Symposium.

Johnson, M., S. Swaminathan, E. Nixon, V. Paul, A. Altieri (2022) Reef-building corals exhibit high tolerance to severe deoxygenation. 15th International Coral Reef Symposium.

Howard, R., M. Schul, L. Rodriguez, A. Altieri, J. Meyer (2022) Shifts in the coral microbiome in response to in situ experimental deoxygenation. 15th International Coral Reef Symposium.

Altieri, A., M. Johnson, N. Lucey, M. Leray, J. Scott, L. Rodriguez, W. Wied (2022) 15th International Coral Reef Symposium. Coral bleaching and microbial shifts during a hypoxic event on a Caribbean coral reef. 15th International Coral Reef Symposium.

Stewart, H., J. Wright, M. Carrigan, A. Altieri, D. Kline, R. Araújo (2022) Coral forests: Nested coexisting mangrove-coral habitats. 15th International Coral Reef Symposium.

Saldaña, P.H., S.B. Alford, C. Angelini, S.M. Crotty, K. Earl, A. Mainella, K.D. Prince, C.R. Sullivan, A.H. Altieri (2022) Grateful for the dead: the widespread importance of dead foundation species for biodiversity, ecosystem function, and resilience. 50th Annual Benthic Ecology Meeting.

Swaminathan, S.D., K. Lafferty, A.H. Altieri (2022) Responses of Benthic and Reef Fish Assemblages to Stony Coral Tissue Loss Disease. 50th Annual Benthic Ecology Meeting.

Altieri, A.H., K.B. Gedan, M. Leray, N. Lucey, L.M. Rodriguez, H.R. Nelson, M.D. Schul, J.J. Scott, S.D. Swaminathan, W.L. Wied, M.D. Johnson (2022) Patterns of coral reef resilience in response to ocean deoxygenation. Ocean Science Meeting, Association for the Sciences of Limnology and Oceanography.

Swaminathan, S.D., K. Lafferty, and A.H. Altieri (2022) Stony Coral Tissue Loss Disease threatens reef fish by altering benthic communities. Western Society of Naturalists meeting.

Saldaña, P.S., E.C. Milbrandt, A.R. Smyth, A.H. Altieri (2022) Macroalgae decay rates and diversity effects on sediment biogeochemistry in a Florida estuary. University of Florida Water Institute Symposium, Gainesville, FL. Poster presentation.

Morrison, E., E. Phlips, S. Badylak, A. Altieri, A. Chappel, D. Tomasko, M. Beck, E. Sherwood (2021) Insights from Piney Point: Using convergent research to evaluate the effects of anthropogenic nutrients on nearshore ecosystems. American Geophysical Union Fall Meeting.

Morrison, E., E. Phlips, S. Badylak, A. Altieri, S. Scolaro, E. Sherwood (2021) Tracking the effect of engineered system failures on nearshore nutrient loads, macroalgae and

phytoplankton communities. Coastal and Estuarine Research Federation 26th Biennial Conference.

Johnson, M.D., S.D. Swaminathan, E.N. Nixon, V.J. Paul, A.H. Altieri (2020) Resistance of a reef-building coral to hypoxia. Ocean Sciences Meeting, Association for the Sciences of Limnology and Oceanography.

Adelson, A.E., K.A. Davis, S.N. Giddings, R. Collin, V. Reed, A.H. Altieri, G.R. Pawlak (2020) Physical mechanisms of hypoxic events and temperature inversions in Bahia Almirante, a shallow tropical embayment in Bocas del Toro, Panama. Aquatic Sciences Meeting, Association for the Sciences of Limnology and Oceanography.

Altieri, A.H., M.D. Johnson, M. Leray, N. Lucey, L.M. Rodriguez, J.J. Scott, W.L. Wied (2020) Deoxygenation over coral reefs triggers coral bleaching and microbial community shift. 9th Biennial North Florida Marine Science Symposium.

Saldaña, P.H., N.A. Goetz, and A.H. Altieri (2020) Movement and erosional effects of a highly abundant reef consumer are mediated by a newly dominant space-holder. 9th Biennial North Florida Marine Science Symposium.

Swaminathan, S.D., M.D. Johnson, V.J. Paul, A.H. Altieri[1] (2020) Light exposure mediates susceptibility of juvenile *P. astreoides* to oxygen depletion. 9th Biennial North Florida Marine Science Symposium.

## PROFESSIONAL ACTIVITIES & SERVICE

*Professional affiliations*
American Association for the Advancement of Science, American Association of Underwater Scientists, American Institute of Biological Sciences, Ecological Society of America, Coastal and Estuarine Research Federation, International Coral Reef Society, New England Estuarine Research Society, Sigma Xi, Western Society of Naturalists.

*Affiliate faculty status within home institution*
Center for Coastal Solutions
Florida Climate Institute
Florida Institute for Built Environmental Resilience
Florida Sea Grant
Invasive Species Research Institute
School of Natural Resources and Environment
UF Water Institute

*Workshops and Working groups*
Biological Condition Gradients, Narragansett Bay Estuaries Program
Deoxygenation in tropical marine ecosystems, King Abdullah U of Science and Technology
Ecological Impacts of Hypoxia on Living Resources, NOAA
Ecosystem Models for Coupled Human and Natural Systems, PEW Marine Fellows Meeting
Facilitations Cascades Across Ecosystems and Scales, University of Canterbury
Global Change and the Emerging Threat of Dead Zones, American Physiological Society
Global Ocean Oxygen Network ($GO_2NE$), UNESCO
Invasive Species Working Group, University of Florida
Linking environmental conditions across landscapes and seascapes to biodiversity and

human welling being in Bahia Almirante, Smithsonian Tropical Research Institute
Narragansett Bay Interdisciplinary Working Group, Brown University, EPA, NOAA
Science Symposium on Rhode Island Coastal Ecosystems, RI Sea Grant

*Manuscript reviewer*
Acta Oecologica; American Naturalist; Annals of Botany; Aquatic Ecology; Aquatic Invasions; Biological Bulletin; Biological Invasions; Coasts and Estuaries; Communications Earth & Environment; Conservation Biology; Conservation Physiology; Coral Reefs; Ecography; Ecology Letters; Ecology; Ecosystems; Ecosphere; Environmental Science & Technology; Estuaries and Coasts; Estuarine, Coastal, and Shelf Science; Frontiers in Marine Science; Global Change Biology; Journal of Animal Ecology; Journal of Applied Ecology; Journal of Ecology; Journal of Experimental Marine Biology and Ecology; Journal of Shellfish Biology; Journal of the Marine Biological Association of the United Kingdom; Limnology and Oceanography; Marine Biology; Marine Ecology Progress Series; Marine Environmental Research; Nature; Nature Communications; Nature Ecology and Evolution; Oecologia; Oikos; PeerJ; PLoS ONE; Science; Science Advances; Scientific Reports; Trends in Ecology & Evolution

*Proposal reviewer*
AAUS Student Scholarship; Biodiversa; FONDECYT, Chile; New Hampshire Sea Grant; NSF, Biological Oceanography; NSF, Coastal SEES (Panelist); NSF Ecosystems; NSF, OCE Long Term Ecological Research; NSF, Population and Community Ecology; NSF, Postdoctoral Research Fellowship in Biology (Panelist); National Estuarine Research Reserve Graduate Student Fellowship; National Geographic, Young Explorers Grant; Netherlands Organisation for Scientific Research; Rhode Island Sea Grant

*Service within home institution*
Lead organizer, North Florida Marine Science Symposium
Chair, Scholarship Committee, Department of Environmental Engineering Sciences, UF
UF Lead, Education Partnership Agreement with US Army Corps ERDC
Leadership Advisory Team, Florida Institute for Built Environment Resilience
Internal Advisory Board, Invasion Science Institute
Search committee, Open-rank professor in Environmental Engineering Sciences, UF
Chair, Search committee, Professor of Practice in Coastal Water Resources Resilience, UF
Search committee, Director of Invasion Science Research Institute, UF
IDEA Committee (Inclusion, Diversity, Equity, & Access), ESSIE, UF
Diving Safety Board, UF
Sabbatical Committee, Herbert Wertheim College of Engineering, UF
Student Award Committee, ESSIE, UF
Committee for Website and Communication Strategy, ESSIE, UF
Search Committee, Computational Sustainability faculty position, UF
Academic Board (fellowship and internship committee), STRI
Diving Safety Officer Search Committee, STRI
Internship Coordinator Search Committee, STRI
Postdoc Fellowship Selection Committee, Marine Science Network, STRI
Postdoc Fellowship Selection Committee, Tennenbaum Marine Observatories/MarineGEO
Executive Committee, Tennenbaum Marine Observatories/MarineGEO
Site PI for Panama, Tennenbaum Marine Observatories/MarineGEO
Burch Fellowship Selection Committee, Smithsonian Institution