

Curriculum Vita

BRIAN REED SILLIMAN

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EDUCATION

2004 Brown University, Ph.D., Ecology and Evolutionary Biology.
1999 University of Virginia, M.S., Environmental Science.
1995 University of Virginia, B.A., *Highest Distinction*. Environmental Science, History

ACADEMIC POSITIONS

2020- present Rachel Carson Distinguished Professor of Marine Conservation Biology, Nicholas School of the Environment, Duke University.
2020- present Founding Director, Duke Restore, Duke University.
2020- present Associate Director, Duke Wetland Center, Duke University.
2018-2020 Rachel Carson Professor of Marine Conservation Biology, Duke University.
2013-2018 Rachel Carson Associate Professor of Marine Conservation Biology.
2012-2013 Associate Professor, Department of Biology, University of Florida.
2011-2013 Director, Sea Horse Key Marine Laboratory, University of Florida.
2010-2011 Visiting Professor, Royal Netherlands Society of Arts and Sciences.
2005-2012 Assistant Professor, Department of Biology, University of Florida.
2004-2005 David H. Smith Conservation Post-Doctoral Fellow, The Nature Conservancy
2003-2004 Visiting Scientist, Bell-Buruch Marine Laboratories, University of South Carolina
1998-2005 Instructor, Biology Department, University of Virginia.
1996-1998 Graduate Academic Advisor, Assistant to Dean, University of Virginia.

AWARDS and HONORS

2019 Fulbright Distinguished Chair In Science and Technology, Australia.
2016 Elected Fellow, AAAS (America Association for the Advancement of Science).
2016 Holiday Lecturer, Howard Hughes Medical Institute.
2016 Okubo Distinguished Scholar, Stony Brook University.
2011 NSF CAREER Grant Award.
2010 Visiting Professor, Royal Netherlands Society of Arts and Sciences.
2009 Top Performer, Alan T. Waterman Award, National Science Foundation.
2007 Young Investigator Award, Andrew Mellon Foundation.
2007 Visiting Research Fellow, Edith Cowan University, Perth, Australia.

- 2007 Distinguished Speaker, Young Investigator Seminar Series, Department of Fisheries, University of Washington.
- 2006 Distinguished Lecturer, University of Toronto, Biology Department, Guest Lecturer for largest Biology class in North America: 2500 students
- 2005 Research Fellow, Center for Biodiversity, Catholic University, Santiago, Chile.
- 2006 Young Investigator Award, American Society of Naturalists.
- 2004 David H. Smith Conservation Fellow, The Nature Conservancy.
- 2003 Walter B. Jones Award for Excellence in Marine Graduate Study, NOAA.
- 2003 University Fellow, Brown University.
- 2000 EPA STAR Fellow.
- 2000 NOAA NERRS Fellow.
- 1999 Dean's Award for Outstanding Leadership and Service, University of Virginia.
- 1999 Raven Society, University of Virginia Honor Society.
- 1999 Omicron Delta Kappa – National Leadership Honor Society.
- 1999 Seven Society Outstanding Teaching Award, University of Virginia.
- 1997 Dupont Fellow, University of Virginia.
- 1997 Odum Ecological Research Award, University of Virginia.

KEYNOTE TALKS

- 2019 Distinguished Speaker, Public Lecture Series, University of Tasmania.
- 2018 Plenary Keynote, Ecological Society of Argentina, Mar del Plata, Argentina.
- 2017 Plenary Keynote, Society of Wetland Scientists, Puerto Rico.
- 2016 Keynote Speaker, Biogeomorphology in Coastal Ecosystems Symposium, East China Normal University, Shanghai, China.
- 2016 Graduate Student Association Invited Speaker, School of Marine and Atmospheric Sciences, Stony Brook University.
- 2015 Plenary, Aquatic Biodiversity and Ecosystems Meeting, Liverpool, England.
- 2014 Plenary Keynote, Netherlands Annual Ecology Meetings (NAEM).
- 2014 Keynote Speaker, Gulf and South Atlantic States Shellfish Conf., Beaufort, NC.
- 2011 Graduate Student Association Invited Speaker, Florida International University, Department of Biology.
- 2009 Graduate Student Association Invited Speaker, Moss Landing Marine Laboratories, California.
- 2008 Keynote Speaker: IX International Symposium on Littorinid Biology and Evolution. Vigo, Spain.
- 2005 Graduate Student Association Invited Speaker, University of South Carolina, Department of Marine Sciences and Biology joint speaker.

ADMINISTRATIVE ACCOMPLISHMENTS

- 2020 Founder, Duke Restore – A University-wide initiative that helps people and nature through advancing ecosystem cultivation

- 2014 Faculty Founder, Duke University Marine Science and Conservation Leadership Union, over 120 members.
- 2012 Co-Founder, Interdisciplinary Major in Marine Science, University of Florida
- 2012 Re-organized Sea Horse Key Marine Laboratory by orchestrating new partnership with Institute of Agricultural and Life Science, University of Florida, Santa Fe College and the Stolarz Foundation. Established an endowed post-doctoral fellowship for the lab, and the *Summer at Sea Horse Key* undergraduate field-course series. These actions saved the lab from likely closure and have moved it into a position as regional leader in field-based marine education and outreach.
- 2008 Founder, University of Florida Marine Biological Symposium, now the North Florida Marine Biological Symposium.
- 2008 Faculty Founder, University of Florida Marine Biology Club, over 300 members

GRANTS

(Total received by Silliman lab ~ \$4,873,000)

Current:

- 2020-2021 Brad and Shelli Stanback Donor Fund, “Duke Restore”, \$25,000. B. R. Silliman
- 2019-2025 NSF, LTER, “Coastal Landscapes and Regime Shifts.” Georgia Coast Reserve-Long Term Ecological Research Site. \$5,900,000. M. Alber, S. Pennings and 8 other co-PI’s including B. R. Silliman (amount of grant to Silliman \$186,220).
- 2019 Nowachek, D., D. Johnston, and B. R. Silliman. BASS connections marine ecological and biodiversity workshop. \$30,000.
- 2019-2020 Campbell, L. and B. R. Silliman. BASS connections conservation interventions workshop. \$30,000.
- 2018-2021 LenFest Ocean Program, “Can mutualistic interactions enhance coastal restoration success and lower costs?” B.R. Silliman. \$418,000.
- 2018-2021 Oak Foundation, “CARES: Coastal Alliance for Restoration of Ecosystem and Their Services.” B.R. Silliman. \$100,000.
- 2017-2021 NASA, “Consequences of changing mangrove forests in South Asia on the provision of global ecosystem goods and services.” \$819,540. J. Vincent, B. Murray, S. Pimm, B.R. Silliman, C. Giri. (amount of grant to Silliman \$86,220).
- 2014-2021 Duke University, Ramus Research Fund. “Food web dynamics and feedbacks in coastal wetlands.” Liz Schrack, A. Ramus, Joe Morton, Leo Gaskin, Stacy Zhang and B. R. Silliman. Total received ~ \$21,000.

Past:

- 2019 Australian-US Fulbright, “Harnessing Biological Partnerships to Improve Coastal Restoration.” \$60,000. B.R. Silliman
- 2013-2019 NSF, LTER, “Coastal Landscapes and Climate Change.” Georgia Coast Reserve-Long Term Ecological Research Site. \$6,200,000. S. Pennings and 10 other co-PI’s including B. R. Silliman (amount of grant to Silliman \$190,540).
- 2018-2019 Campbell, L. and B. R. Silliman. BASS connections conservation interventions workshop. \$50,000.
- 2015-2018 Edward Stolarz Foundation. “Top predator niche breadth expansion following long term conservation.” B. R. Silliman. \$105,000.
- 2018 NC SEAGRANT. “Harnessing positive interactions to restore seagrasses.” S. Zhang and B. R. Silliman. \$9,575.
- 2011-2017 NSF, Biological Oceanography. “CAREER: Small grazers, multiple stressors, and the proliferation of fungal disease in marine plant ecosystems.” B. R. Silliman. \$805,797.
- 2015-2017 Society of Conservation Biology. “Sea otters and the stability of coastal ecosystems.” B. Hughes and B. R. Silliman. \$169,615.
- 2015 Trinity School Education Fund, Duke University. B. R. Silliman. \$3,000.
- 2015 NSF, Biological Oceanography, LTER intern supplemental grant. “Blue crab utilization of southern salt marshes.” B. R. Silliman. \$5,200.
- 2015 NSF, Biological Oceanography, REU supplemental grant. “Blue crab utilization of southern salt marshes.” B. R. Silliman. \$13,200.
- 2014 Oak Foundation, Assessing Blue Carbon of Belize Mangroves. B. R. Silliman. \$20,000.
- 2014 Trinity School Education Fund, Duke University. B. R. Silliman. \$2,350.
- 2010-2015 NSF, Biological Oceanography. “Are blue crab declines leading to a trophic cascade and massive loss of U.S. southern marshes?” B. R. Silliman. \$196,081.
- 2012-2014 National Oceanic and Atmospheric Association. “Top-down impacts, movement and feeding patterns of invasive hogs in southern salt marshes.” \$60,000. B. R. Silliman and M. Hensel.

- 2010-2013 National Oceanic and Atmospheric Association. “Alligators as Apex Marine Predators.” \$60,000. B. R. Silliman and J. Nifong.
- 2012 NSF, Biological Oceanography, REU Supplemental grant. “Crab diversity effects on marsh plant production.” \$8,900 B. R. Silliman.
- 2010-2012 Florida Institute of Oceanography/ BP. “Biodegradation of the Deepwater Horizon oil in Florida marsh ecosystems and exploration of novel passive remediation strategies.” A. Zimmerman and B. R. Silliman. \$198,324.
- 2011 NSF, Biological Oceanography, REU Supplemental grant. “Crab diversity effects on marsh plant production.” \$11,200 B. R. Silliman.
- 2011 Disney Conservation Grants, Incorporating Positive Interactions into Coral Reef Restoration. \$25,000. B. R. Silliman and J. Griffin.
- 2010 Royal Netherlands Academy of Arts and Sciences. \$42,000. B. R. Silliman.
- 2010 University of Florida, Travel Grant - AAAS Meetings. \$350. B. R. Silliman.
- 2010 University of Florida, University Scholars Program. \$2500. K. Braun and B.R. Silliman.
- 2010 University of Florida, University Scholars Program. \$2500. E. Monaco and B.R. Silliman.
- 2009 University of Florida, Department of Biology, Singer Seed Grant, “Alligators as Apex Predators in a Marine Ecosystem. \$3,000. B. R. Silliman.
- 2009 Florida Sea Grant, Newell Seminar Series Special Guest Lecturer – Dr. Jim Estes. \$1,400. B. R. Silliman.
- 2009-2012 NOAA. “Crab herbivory and drought interact to cause die-off in southern salt marshes.” \$60,000. B. R. Silliman and S. von Montfrans.
- 2009 University of Florida, University Scholars Program. \$2500. M. Hensel and B.R. Silliman.
- 2008 NSF, REU Supplemental grant. “Crab Herbivory and the Structure of Southwestern Atlantic Salt Marsh Plant Communities.” \$14,200 B. R. Silliman.
- 2008 Florida Sea Grant, Newell Seminar Series Special Guest Lecturer – Dr. Peter Mumby. \$1,750. B. R. Silliman.
- 2008 The Nature Conservancy, Conservation Think Tank. \$10,000. B. R. Silliman.

- 2007-2012 Andrew Mellon Foundation, Young Investigator Grant, “Impacts of grazer-facilitated plant disease and physical stress on the structure of plant-dominated coastal ecosystems.” \$300,000. B. R. Silliman.
- 2007 Southeastern Alliance for Graduate Education Program, University of Florida, “Mangrove Range Limitations as assessed by GIS.” \$50,000. B. R. Silliman and L. Fatoyinbo.
- 2007-2010 Southeastern Alliance for Graduate Education Program, University of Florida, “Genetic Connectivity of Caribbean intertidal communities.” \$75,000. B. R. Silliman and Edgardo Diaz-Ferguson.
- 2007 Southeastern Alliance for Graduate Education Program, University of Florida, “Crab mediation of plant competition in South American marshes.” \$25,000. B. R. Silliman and P. Daleo.
- 2007 Mount Desert Island Biological Station, Young Investigator Award. \$5,000. B. R. Silliman.
- 2006-2010 NSF, Ecology, “Collaborative Research: Crab Herbivory and the Structure of Southwestern Atlantic Salt Marsh Plant Communities.” \$262,000. Bertness, M. D. and B. R. Silliman (proportion of grant received \$101,000).
- 2006-2012 NSF, LTER panel, “Coastal Landscapes and Climate Change.” Georgia Coast Reserve-Long Term Ecological Research Site. \$6,200,000. S. Pennings and 10 other co-PI’s including B. R. Silliman (proportion of grant received \$168,540).
- 2006 Danish National Science Foundation. *Gracilaria vermiculophylla*: a new threat to marine ecosystems. \$69,250. Thomsen, M. D. and B. R. Silliman.
- 2005 University of Florida, Opportunity Fund Grant, “Top-down control in Argentine Marsh Plant Communities.” \$30,700. Silliman, B.R.
- 2005 Danish National Science Foundation. *Gracilaria vermiculophylla*: a new threat to marine ecosystems. \$53,330. Thomsen, M. D. and B. R. Silliman.
- 2004 The Nature Conservancy, “Do consumers and drought stress interact to cause die off of southern salt marshes? \$120,000. Silliman, B. R.
- 2004-2006 Georgia Sea Grant, “Top-down and bottom-up forces interact to cause massive die-off of southern salt marshes.” \$121,385. Silliman, B. R. and M. D. Bertness.
- 2002 NSF, Dissertation Improvement Grant, Division of Environmental Biology, “A mechanistic understanding of periwinkle grazing on and control of live *Spartina*

alterniflora: implications for top-down control of community structure in southern salt marshes.” \$4,125. Silliman, B. R. and M. D. Bertness.

- 2000-2006 NSF, Biological Oceanography, “Top-down control of primary production in East Coast Salt Marshes.” National Science Foundation: Biological Oceanography/Ecology \$451,723. Bertness, M. D. and B. R. Silliman.
- 2000-2003 National Oceanic and Atmospheric Administration, “Relative effects of predation and Nitrogen enrichment on the community structure of New England salt marshes.” \$80,000. Silliman, B. R. and M. D. Bertness.
- 2000-2003 Environmental Protection Agency, “Top-down versus bottom-up control of community structure in New England salt marshes.” \$102,000. Silliman, B. R. and M. D. Bertness.
- 1999-2001 New Jersey Sea Grant: Marsh Ecology Research Program. “Grazing impacts of the coffee bean snail in New England salt marshes.” \$15,000. Silliman, B. R. and M. D. Bertness.

STUDENT FELLOWSHIPS

graduate student*; undergraduate student**

- 2020-2023 Alyssa Adlar*, NSF, Graduate Research Fellowship.
2018-2021 David de la Master*, NSF, Graduate Research Fellowship.
2018-2021 Renzi, Julianna*, NSF, Graduate Research Fellowship.
2018-2021 Valdez, Stephanie*, NSF, Graduate Research Fellowship.
2017-2020 Ghaskin, Leo*, NSF, Graduate Research Fellowship.
2016-2017 Zhang, Stacy*, NC SEAGRANT, Graduate Research Fellowship.
2013-2016 Schrack, Liz*, NSF, Graduate Research Fellowship.
2012-2015 Hensel, M.* NOAA-NERRS, Graduate Research Fellowship.
2011-2012 Diller, Jessica**, NSF, Graduate Research Fellowship.
2010-2013 Angelini, C.* NSF, Graduate Research Fellowship.
2010-2013 Nifong, J.* NOAA-NERRS, Graduate Research Fellowship.
2010-2012 McNulty, R.** NOAA, Hollings Undergraduate Fellowship.
2009-2012 van Montfrans, S.* NOAA-NERRS, Graduate Research Fellowship.
2009-2012 Bohrman, T.* NSF, Graduate Research Fellowship.
2009-2011 Kennedy, C.* SEA GRANT, Graduate Research Fellowship.

BOOKS

Silliman, B. R. *In prep.* Living with Beasts.

Silliman, B.R., A. Avigdor, C. Angelini, M. Saunders, K. Gesche, T. van der Hiede, editors. *In prep.* Marine Ecosystem Restoration.

Behringer, D., B. R. Silliman, and K Lafferty, editors. 2020. Marine Disease Ecology. Oxford University Press.

Kareiva, P., M. Marvier, and B. R. Silliman, editors. 2017. Effective Conservation: Data not Dogma. Oxford University Press.

Bertness, M. D., J. Bruno, B. R. Silliman, and J. J. Stachowicz, editors. 2013. Marine Community Ecology and Conservation. Sinauer Press.

Silliman, B. R., T. Grosholtz, and M. D. Bertness, editors. 2009. Human Impacts on Salt Marshes: A Global Perspective. University of California Press.

REFEREED PUBLICATIONS

Silliman advised or co-advised *post-doc, ** graduate student, or *** undergraduate student.

In Press/ Accepted:

1. Whalen, M., et al. *In press.* Predator communities mediate the effect of climate on predation intensity in shallow marine environments. **PNAS.**
2. Smith, H.**, Garcia Lozano, A., Baker, D., Blondin, H., Hamilton, J., Choi, J., Basurto, X, and Silliman, B. 2020. *In press.* Fishing for Ecology in the Science of Small-Scale Fisheries: A Synthetic Review. **Biological Conservation.**
3. Gaskins, LC**, Morton, JP**, Renzi, JJ**, Valdez, SR**, Silliman, BR. *In press.* Habitat features associated with newborn Giant Shovelnose Rays (*Glaucostegus typus*). **North Queensland Naturalist.**
4. He, Q, H. Li, C. Xu, B. R. Silliman. *In press.* Consumer traits and top-down control of carbon cycling in coastal wetlands. **Philosophical Transactions of the Royal Society.**
5. Abelson, A., D. Reed, G. Edgar, G. A. Kendrick, R. J. Orth, L. Airoidi, M. W. Beck, G. Krause, B. Silliman, N. Shashar, N. Stambler, E. Brokovich and P. Nelson. *In press.* Challenges for restoration of coastal marine ecosystems in the Anthropocene. **Frontiers in Marine Science.**
6. Saunders, M., R. Babcock, E. Bayraktarov, R. Bustamante, C. Doropoulos, A. Eger, Chris Gillies, D. Gorman, A. Steven, M. Vanderklift, M. Vosso, B. R. Silliman. *In press.* Bright spots in the emerging field of coastal marine ecosystem restoration. **Current Biology.**

7. Roca, C, J. Alberti, P. Daleo, B. R. Silliman, O. Iribarne, J. Nunez, C. Angelini, and J. Alberti. *In press*. Extreme floods intensify herbivory and drive ecosystem range retraction. **Journal of Ecology**.

2020

8. Temmink, R.J.M., Christianen, M.J.A., Fivash, G.S., Angelini, C., Boström, C., Didderen, K., Engel, S.M., Esteban, N., Gaeckle, J.L., Gagnon, K., Govers, L.L., Infantes, E., van Katwijk, M.M., Kipson, S., Lamers, L.P.M., Lengkeek, W., Silliman, B.R., van Tussenbroek, B.I., Unsworth, R.K.F., Yaakub, S.M., Bouma, T.J., van der Heide, T. 2020. Mimicry of emergent traits amplifies coastal restoration success. **Nature Communications**.
9. Morton, J.** and B. R. Silliman. 2020. Parasites increase resistance of a coastal ecosystem to drought. **Ecology**.
10. Ainsworth, T., J. Renzi** and B. R. Silliman. 2020. Positive interactions in the coral macro and microbiome. **Trends in Microbiology**.
11. Shaver, L.**, J. Renzi**, M. Bucher*** and B. R. Silliman. Relationships between a common Caribbean corallivorous snail^[1] and protected area status, coral cover, and predator abundance. **Scientific Reports** 10:16463
12. Valdez S. R.**, S. Zhang**, T. van der Heide, M. Vanderklift, Fl. Tarquinio, B. R. Silliman. 2020. Positive ecological interactions and the success of seagrass restorations. **Frontiers in Marine Science**.
13. Paxton, A.B.*, J.C. Taylor, E.A. Pickering, A.M. Adler, R. Van Hoeck, E.S. Iversen, C.H. Peterson, and B.R. Silliman. 2020. Artificial habitats support top predators across diverse marine ecosystems. **PLOS ONE**.
14. Brown, C.***, A.B. Paxton*, J.C. Taylor, R.V. Van Hoeck, M.H. Fatzinger, and B.R. Silliman. 2020. Short-term reef fish community changes correlate with variability in large shark occurrence. **Food Webs**.
15. Smith, C.S.*, M. Rudd**, R. Gittman, E. Melvin, V. Patterson, J. Renzi**, E. Wellman, and B. R. Silliman. 2020. Coming to terms with living shorelines: A scoping review of novel restoration strategies for shoreline protection. **Frontiers in Marine Science**.
16. Reeves, SE., Renzi**, J. J., Fobert, E. K., Silliman, B. R., Hancock, B., DeAngelis, B. M¹, Gillies, C. L. 2020. Facilitating better outcomes: How positive species interactions can improve oyster reef restoration. **Frontiers in Marine Science**.

17. Eger A. M., Marzinelli E., Gribben P., Johnson C. R., Layton C., Steinberg P. D., Wood G., Silliman B. R., Vergés A. Playing to the Positives: Using Synergies to Enhance Kelp Forest Restoration. **Frontiers in Marine Science** 7:544.
18. Brooks, W. R.***, M. E. Rudd**, S. H. Cheng, B. R. Silliman, D. A. Gill, G. N. Ahmadi, D. A. Andradi-Brown, L. Glew, and L. M. Campbell. 2020. Social and ecological outcomes of conservation interventions in tropical coastal marine ecosystems: A systematic map protocol. **Environmental Evidence**.

2019

19. Silliman, B. R., Q. He*, C. Angelini**, C. Smith*, M. Kirwin, P. Daleo, J. Renzi, J. Butler***, T. Osborne, J. Nifong**, J. von de Koppel. 2019. Field Experiments and Meta-analysis Reveal Wetland Vegetation as a Crucial Element in the Coastal Protection Paradigm. **Current Biology**.
20. Macreadie, P., A. Anton, J. A. Raven, N. Beaumont, R. M. Connolly, D.A. Friess, J. J. Kelleway, H. Kennedy, T. Kuwae, P. S. Lavery, C.E. Lovelock, D. Smale, E. T. A., Trisha B. Atwood, J. Baldock, T. S. Bianchi, G. L. Chmura, B. D. Eyre, J. W. Fourqurean, J. M. Hall-Spencer, M. Huxham, I. E. Hendriks, D. Krause-Jensen, D.Laffoley, T. Luisetti, N. Marba, P. Masque, K. J. McGlathery, P. J. Megonigal, B. D. Russell, R. Santos, O.Serrano, B. R. Silliman, K. Watanabe, C. M. Duarte. 2019. The Future of Blue Carbon Science. **Nature Communications**.
21. He, Q.* and B. R. Silliman. 2019. Climate change, human impacts, and coastal ecosystems in the Anthropocene. **Current Biology**.
22. He, Q. *, J. van de Koppel and B. R. Silliman. 2019. Weather Fluctuations affect the impact of consumers on vegetation recovery following a catastrophic die-off. **Ecology** 100:1.
23. Paxton, A.* , C. Peterson, C. Taylor, A. Adler, E. Pickering, B. R. Silliman. 2019 Artificial reefs facilitate tropical fish at their range edge. **Communication Biology** 2:168.
24. Klinges, J. G., S. M. Rosales¹, R. McMinds· E. C. Shaver**, A. A. Shantz, E. Peters, D. E. Burkepale, B. R. Silliman, R. Vega Thurber. 2019. Genomic reconstruction of *Candidatus* Marinoinvertebrata rohwerii, gen. nov., sp. nov., implicates nutrient pollution as a mechanism behind bacterial pathogenesis in corals. **ISME**.
25. Zhang, S.** and B. R. Silliman. 2019. A facilitation cascade enhances local biodiversity in seagrass beds. **Diversity** 3:30-39.
26. Bortolus A, Adam P, Adams JB, Ainouche ML, Ayres D, Bertness MD, Bouma TJ, Bruno JF, Caçador I, Carlton JT, Castillo JM, Costa CSB, Davy AJ, Deegan L, Duarte B,

Figuerola E, Gerwein J, Gray AJ, Grosholz ED, Hacker SD, Hughes AR, Mateos-Naranjo E, Mendelssohn IA, Morris JT, Muñoz-Rodríguez AF, Nieva FJJ, Levin LA, Li B, Liu W, Pennings SC, Pickart A, Redondo-Gómez S, Richardson DM, Salmon A, Schwindt E, Silliman BR, Sotka EE, Stace C, Sytsma M, Temmerman S, Turner RE, Valiela I, Weinstein MP, Weis JS (2019) Supporting *Spartina*: Interdisciplinary perspective shows *Spartina* as a distinct solid genus. **Ecology** 100 (10): e02863. 10.1002/ecy.2863

27. Renzi, J. **, Q. He*, B. R. Silliman. 2019. Harnessing positive species interactions to enhance coastal wetland restoration. **Frontiers in Ecology and Evolution** 7:131.
28. Thomsen, M. S., A. P. Ramus, Z. T. Long, and B. R. Silliman. 2019. A seaweed increases ecosystem multifunctionality when invading bare mudflats. **Biological Invasions** 21:27-36.
29. Hughes BB, Wasson K, Tinker MT, Williams SL, Carswell LP, Boyer KE, Beck MW, Eby R, Scoles R, Staedler M, Espinosa S, Hessing-Lewis M, Foster EU, M. Beheshti K, Grimes TM, Becker BH, Needles L, Tomoleoni JA, Rudebusch J, Hines E, Silliman BR. 2019. Species recovery and recolonization of past habitats: lessons for science and conservation from sea otters in estuaries. **PeerJ** 7:e8100
30. Paxton, A.B., E. Blair,* C. Blawas,* M. Fatzinger, M. Marens, J. Holmberg, C. Kingen, T. Houppermans,†M, Keusenkothen, J. McCord, B.R. Silliman, and L.M. Penfold. 2019. Citizen-science photographs reveal that six female sand tiger sharks (*Carcharias taurus*) exhibit signs of site fidelity on shipwrecks. **Bulletin of Ecological Society of America** e02687.

2018

31. Silliman, B. R., and Q. He*. 2018. Physical Stress, Consumer Control, and New Theory in Ecology. **Trends in Ecology & Evolution** 33:492-503.
32. Silliman, B. R., B. B. Hughes*, L. C. Gaskins***, Q. He*, M. T. Tinker, A. Read, J. Nifong, and R. Stepp. 2018. Are the ghosts of nature's past haunting ecology today? **Current Biology** 28:R532-R537.
33. Shaver, E. C.**, D. E. Burkepile, and B. R. Silliman. 2018. Local management actions can increase coral resilience to thermally-induced bleaching. **Nature Ecology & Evolution** 2:1075.
34. Thomsen, M. S., A. H. Altieri, C. Angelini, M. J. Bishop, P. E. Gribben, G. Lear, Q. He*, D. R. Schiel, B. R. Silliman, and P. M. South. 2018. Secondary foundation species enhance biodiversity. **Nature Ecology & Evolution** 2:634.

35. Daleo, P., J. Alberti, A. Jumpponen, A. Veach, F. Ialonardi, O. Iribarne, and B. Silliman. 2018. Nitrogen enrichment suppresses other environmental drivers and homogenizes salt marsh leaf microbiome. **Ecology** 99:1411-1418.
36. Derksen-Hooijberg, M., C. Angelini, L. P. Lamers, A. Borst, A. Smolders, J. R. Hoogveld, H. de Paoli, J. van de Koppel, B. R. Silliman, and T. van der Heide. 2018. Mutualistic interactions amplify saltmarsh restoration success. **Journal of Applied Ecology** 55:405-414.
37. Fariña, J. M., Q. He*, B. R. Silliman, and M. D. Bertness. 2018. Biogeography of salt marsh plant zonation on the Pacific coast of South America. **Journal of Biogeography** 45:238-247.
38. Griffin, J. N.*, and B. R. Silliman. 2018. Predator size-structure and species identity determine cascading effects in a coastal ecosystem. **Ecology and Evolution** 8:12435-12442.
39. Angelini, C, S. ** von Montfrans**, M. Hensel**, Q. He*, and B. R. Silliman. 2018. The importance of an underestimated grazer under climate change: how crab density, consumer competition, and physical stress affect salt marsh resilience. **Oecologia** 187:205-217.
40. Zhang, Y.**, W. Cioffi, R. Cope, P. Daleo, E. Heywood, C. Hoyt, C. Smith, and B. Silliman. 2018. A global synthesis reveals gaps in coastal habitat restoration research. **Sustainability** 10:1040.
41. Shaver, L.**, J. Morton**, D. Keller**, B. R. Silliman. 2018. Green turtles prefer to feed on native vs. invasive seagrasses. **Caribbean Naturalist**.

2017

42. Silliman, B. R., P. Kareiva, and C. A. Pfister. 2017. In Memoriam: Robert Treat Paine III (1933–2016), An Outsized American Naturalist. **The American Naturalist** 189:xi-xv.
43. Ramus, A. P.**, B. R. Silliman, M. S. Thomsen*, and Z. T. Long. 2017. An invasive foundation species enhances multifunctionality in a coastal ecosystem. **Proceedings of the National Academy of Sciences** 114:8580-8585.

Subject of an article in Science: Research Highlights by Andrew Sugden

44. Paoli, H.**, T. van der Heide, A. van den Berg, B. R. Silliman, P. M. Herman, and J. van de Koppel. 2017. Behavioral self-organization underlies the resilience of a coastal ecosystem. **Proceedings of the National Academy of Sciences** 114:8035-8040.

45. Shaver, E. C.***, A. A. Shantz, R. McMinds, D. E. Burkepile, R. L. Vega Thurber, and B. R. Silliman. 2017. Effects of predation and nutrient enrichment on the success and microbiome of a foundational coral. **Ecology** 98:830-839.

46. He, Q.*, B. R. Silliman, Z. Liu, and B. Cui. 2017b. Natural enemies govern ecosystem resilience in the face of extreme droughts. **Ecology Letters** 20:194-201.

Subject of an article at Nature Climate Change: Research Highlights

Subject of an article at ScienceDaily.com

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47. He, Q.*, B. R. Silliman, and B. Cui. 2017. Incorporating thresholds into understanding salinity tolerance: A study using salt-tolerant plants in salt marshes. **Ecology and Evolution** 7:6326-6333.

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145. Haney, R.***, B. Silliman, and D. Rand. 2007a. A multi-locus assessment of connectivity and historical demography in the bluehead wrasse (*Thalassoma bifasciatum*). **Heredity** 98:294.
146. Haney, R. A.***, B. R. Silliman, A. J. Fry, C. A. Layman, and D. M. Rand. 2007b. The Pleistocene history of the sheepshead minnow (*Cyprinodon variegatus*): non-equilibrium evolutionary dynamics within a diversifying species complex. **Molecular phylogenetics and evolution** 43:743-754.
147. Alberti, J.***, M. Escapa, P. Daleo, O. Iribarne, B. R. Silliman, and M. Bertness. 2007. Local and geographic variation in grazing intensity by herbivorous crabs in SW Atlantic salt marshes. **Marine Ecology Progress Series** 349:235-243.
148. Hidalgo, F.***, B. R. Silliman, M. C. Bazterrica, and Bertness M. D. 2007. Predation on rocky shores of Patagonia, Argentina. **Estuaries and Coasts** 30: 886-894.
149. Thomsen, M.**, B. Silliman, and K. J. McGlathery. 2007a. Spatial variation in recruitment of native and invasive sessile species onto oyster reefs in a temperate soft-bottom lagoon. **Estuarine, Coastal and Shelf Science** 72:89-101.
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Subject of an article by Charlotte Schubert in *Naturenews.com* (Snails mount attack on US wetlands, (12/17/2005).

Subject of an article by Adrienne Appel on *National Geographic.com* (Snail armies mow down stricken marshes, 12/17/2005).

Subject of an article by Mike Toner in the *The Atlanta Constitution* (Snail blamed for key role in destruction of state's marshes, 12/15/2005).

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162. Silliman, B. R., C. A. Layman, K. Geyer, and J. Zieman. 2004. Predation by the black-clawed mud crab, *Panopeus herbstii*, in mid-Atlantic salt marshes: further evidence for top-down control of marsh grass production. **Estuaries** 27:188-196.
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Subject of an article by Jon Whitfield in *Nature: Science Update* (Snails farm fungus, 12/2003)

Subject of an article by Andrew Sugden in *Science* (Molluscan Agriculture, 12/ 200)
Subject of an article in *The Year in Science*, *World Book Encyclopedia* (2004)
Subject of an article in *Smithsonian National Zoo Magazine*, July/August (2004)
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171. Silliman, B. R., and A. Bortolus. 2003. Underestimation of *Spartina* productivity in western Atlantic marshes: marsh invertebrates eat more than just detritus. **Oikos** 101:549-554.
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173. Layman, C. A., A. Arrington, and B. R. Silliman. 2003. Underwater Visual Census Provides “Snapshot” Assessment of Tidal Connectivity (Bahamas). **Ecological Restoration** 21:132-133.

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174. Silliman, B. R., and M. D. Bertness. 2002. A trophic cascade regulates salt marsh primary production. **Proceedings of the National Academy of Sciences** 99:10500-10505.

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Subject of an article on *DiscoveryChannel.com* (Dec. 2002)
Subject of an article by Allen Breed, *Associated Press* (Crabbers, Scientists, struggle to find answers to a dying ecosystem, Sept. 2002). Featured by *The Sun Sentinel*, *The Providence Journal*, *The Post and Courier*, *Richmond TimeDispatch*, *Washington Times*, *Charlotte Observer*, *Atlanta Journal-Constitution*, *The Oregonian*.
175. Bertness, M. D., P. J. Ewanchuk, and B. R. Silliman. 2002a. Anthropogenic modification of New England salt marsh landscapes. **Proceedings of the National Academy of Sciences** 99:1395-1398.
176. Bertness, M. D., G. C. Trussell, P. J. Ewanchuk, and B. R. Silliman. 2002b. Do alternate stable community states exist in the Gulf of Maine rocky intertidal zone? **Ecology** 83:3434-3448.
177. Layman, C. A., and B. R. Silliman. 2002. Preliminary survey and diet analysis of juvenile fishes of an estuarine creek on Andros Island, Bahamas. **Bulletin of Marine Science** 70:199-210.

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MANUSCRIPTS IN REVIEW

1. Chen, C. ***, J. Morten**, B. R. Silliman. *In review*. Predation constrains evolution of high-level cultivation in a fungal-farming snail. **Diversity**.
2. Shaver, L.**., S. Valdez, D. Keller, J. Morton, C. Chen, I. Markham, L. Slivinski, D. Willette, R. Muthukrishnan, C. Martinez, C. Wiernicki, B. R. Silliman. *In review*. Macroinvertebrate densities in the invasive seagrass, *Halophila stipulacea*, in St. John, USVI. **Southeastern Naturalist**.
3. Morton, J.**., S. Huff*, B. R. Silliman. Birds increase ecosystem resilience to climate change by leaving parasites behind. *In review*. **Proceedings of the Royal Society of London**.
4. Hughes, B.*, C. Angelini**, K. Eriva**, and B.R. Silliman. *In review*. Top predator range expansion suppresses erosion-driven decline in a coastal ecosystem. **Ecology**.
5. Hensel, M. J., B. R. Silliman, E. Hensel, j. von de Koppel, S. Sharp, S. Crotty, J. K. Byrnes. *In review*. An invasive megaconsumer reverses positive interactions that sustain coastal ecosystem resilience. **Nature Communications**.
6. Zhang, S., R. Gittman, B. R. Silliman. *In review*. Inclusion of intra and interspecific facilitation enhances seagrass restoration. **Proceedings of the Royal Society of London**.
7. Renzi, J. and B. Silliman. *In review*. Increasing grazer density leads to linear decreases in *Spartina alterniflora* biomass and exponential increases in grazing pressure across a barrier island. **Marine Ecology Progress Series**.
8. Lee, R. Dirzo, M. Lee, J. McDevitt-Irwin, B. R. Silliman, and Fiorenza Micheli. *In review*. Habitat alteration increases consumer pressure across diverse marine ecosystems. **Nature Communications**.
9. Gaskin, L.**., A. Paxton*, B. R. Silliman. *In review*. Megafauna in salt marshes. **Frontiers in Marine Science**.
10. Zengel, S., J. Weaver, I. A. Mendelsohn, S. A. Graham, Q. Lin, M. W. Hester, J. M. Willis, B. Silliman, J. W. Fleeger³, G. McClenachan, N. N. Rabalais, R. Eugene Turner³, R. Hughes, J. Cebrian, D. R. Deis, N. Rutherford, B. J. Roberts. *In review*. Meta-Analysis of Salt Marsh Vegetation Impacts and Recovery, Synthesis Following the *Deepwater Horizon* Oil Spill. **Frontiers in Marine Science**.

11. Hammann, L, B. Silliman, and B. Blasius. *In review*. Optimal planting distance in a simple model of habitat restoration with an Allee effect. **Frontiers in Marine Science**
12. He, Q., Q. Wanqing, J. Chen; Q. Zhang, C, Wu; Qiang Ma, B. R. Silliman; J. Wu; B. Li
Top-down control of foundation species recovery during coastal wetland restoration. *In review*. **Science of the Total Environment**.

MANUSCRIPTS IN PREPARATION

Silliman, B. R. *In prep* A climate cascade explains interannual die-off patterns in a coastal ecosystem. Target Journal: *PNAS*.

Silliman, B. R. *In prep*. Multiple stressors, grazers and proliferation of fungal disease in marine plant species. Target journal: *Ecology Letters*.

BOOK REVIEWS

Griffin, J. and B. R. Silliman. 2012. Enclosed Experimental Ecosystems and Scale: Tools for Understanding and Managing Coastal Ecosystems. **The Quarterly Review of Biology**.

Griffin, J. and B. R. Silliman. 2009. Encyclopedia of Tidepools and Rocky Shores. M. Denny and S. Gaines (eds). **Journal of Experimental Biology and Ecology**.

BOOK CHAPTERS

1. Morten, J., K. Lafferty, and B.R. Silliman. Effects of parasites on marine ecosystem structure and function. In Behringer, D., K. Lafferty, and B. R. Silliman, eds. 2020. Marine Disease Ecology. Oxford University Press.
2. Silliman, B. R. and S. Wear. "Conservation Bias: What have we learned?". In Kareiva. P., M. Marvier, and B. R. Silliman, editors. 2017. Confirmation Bias in Conservation. Oxford University Press.
3. Silliman, B. R., B. Hughes, Q. He, S. Zhang. "Business as usual leads to underperformance of coastal restoration." 2017. In Kareiva. P., M. Marvier, B. R. Silliman, and, editors. *In press*. Confirmation Bias in Conservation. Oxford University Press.

4. Bakker, J.P., K.J. Nielsen, J. Alberti, F. Chan, S.D. Hacker, O.O. Iribarne, D.P.J. Kuijper, B.A. Menge, M. Schrama, and B.R. Silliman. 2015. Bottom-up and top-down interactions in coastal interface systems. Pages 157-200 in T. Hanley and K. La Pierre, editors. Trophic ecology. Cambridge University Press, Cambridge, United Kingdom.
5. Bertness, M. D. and B. R. Silliman. 2013. Salt marsh communities. Pages 251-270 in M.D. Bertness, J.F. Bruno, B. R. Silliman, and J.J. Stachowicz, editors. Marine Community Ecology and Conservation. Sinauer Associates, Sunderland, Massachusetts, USA.
6. Bertness, M. D., J.F. Bruno, B. R. Silliman, and J.J. Stachowicz. 2013. A Short History of Marine Community Ecology. Pages 1-8 in M.D. Bertness, J.F. Bruno, B. R. Silliman, and J.J. Stachowicz, editors. Marine Community Ecology and Conservation. Sinauer Associates, Sunderland, Massachusetts, USA.
7. Silliman, B. R. 2013. "Salt Marshes Under Global Siege". In Coastal Marine Conservation: Science and Policy. G.C. Ray and J. McCormick-Ray. Wiley, John and Sons Inc.
8. van Wesenbeeck, B. K., J. N. Griffin, M. van Koningsveld, K.B. Gedan, M. W. McCoy, and B. R. Silliman. 2013. Nature-Based Coastal Defenses: Can Biodiversity Help? Pages 451-458 in S.A. Levin, editor. Encyclopedia of Biodiversity. Elsevier.
9. McCoy, M. W., A. H. Altieri, C. Holdredge, M. S. Thomsen, and B. R. Silliman. 2012. "Facilitation." In Alan Hastings and Louis Gross editors, Sourcebook in Theoretical Ecology. Elsevier.
10. Pennings, S.C., M. Alber, C.R. Alexander, M. Booth, A. Burd, W.J. Cai, C. Craft, C.B. DePratter, D. Di Iorio, C. Hopkinson, S.B. Joye, C.D. Meile, W.S. Moore, B. Silliman, V. Thompson, and J.P. Wares. 2012. South Atlantic Tidal Wetlands. Pages 45-61 in A. Baldwin and D. Batzer, editors. Wetland Habitats of North America: Ecology and Conservation Concerns. University of California Press, Berkeley, California, USA.
11. Barbier, E.B., S.D. Hacker, E.W. Koch, A. Stier, and B. Silliman. 2012. Estuarine and Coastal Ecosystems and their Services. Pages 109-124 in D. McLuskey and E. Wolanski, editors. Volume 12: Ecological Economics of Estuaries and Coasts in the Treatise on Estuarine and Coastal Science. Academic Press, Waltham, Massachusetts, USA.
12. Silliman, B.R., M.D. Bertness, and M. Thomsen. 2009. Top-down control and human intensification of consumer pressure in U.S. southern salt marshes. Pages 103-114 in B.R. Silliman, T. Grosholz, and M.D. Bertness, editors. Human Impacts on Salt Marshes: A Global Perspective. University of California Press, Berkeley, California, USA.
13. Silliman, B.R., T. Grosholz, and M. D. Bertness. 2009. Salt marshes under global siege. Pages 391-398 in B.R. Silliman, T. Grosholz, and M.D. Bertness, editors. Human

Impacts on Salt Marshes: A Global Perspective. University of California Press, Berkeley, California, USA.

14. Silliman, B.R., T. Grosholz, and M.D. Bertness. 2009. An introduction to human impacts on salt marshes: Are marshes at risk? Pages xi-xv in B.R. Silliman, T. Grosholz, and M.D. Bertness, editors. Human Impacts on Salt Marshes: A Global Perspective. University of California Press, Berkeley, California, USA.
15. Bertness, M.D., B.R. Silliman, and C. Holdredge. 2009. Shoreline development and the future of New England salt marsh landscapes. Pages 137-148 in B.R. Silliman, T. Grosholz, and M.D. Bertness, editors. Human Impacts on Salt Marshes: A Global Perspective. University of California Press, Berkeley, California, USA.
16. Thomsen M.S.*, P. Adam, and B.R. Silliman. 2009. Anthropogenic threats to Australasian coastal salt marshes. Pages 361-390 in B.R. Silliman, T. Grosholz, and M.D. Bertness, editors. Human Impacts on Salt Marshes: A Global Perspective. University of California Press, Berkeley, California, USA.
17. Gedan, K.B.***, and B.R. Silliman. 2009. Patterns of salt marsh loss within coastal regions of North America: pre-settlement to present. Pages 253-266 in B.R. Silliman, T. Grosholz, and M.D. Bertness, editors. Human Impacts on Salt Marshes: A Global Perspective. University of California Press, Berkeley, California, USA.
18. Osgood, D.T., and B.R. Silliman. 2009. From climate change to snails: potential causes of salt marsh die-back along the U.S. Eastern Seaboard and Gulf Coasts. Pages 231-252 in B.R. Silliman, T. Grosholz, and M.D. Bertness, editors. Human Impacts on Salt Marshes: A Global Perspective. University of California Press, Berkeley, California, USA.

INVITED SYNTHESIS WORKSHOPS

- | | |
|------|---|
| 2016 | Facilitation cascades across systems, New Zealand. |
| 2010 | Mote Marine Laboratory Symposium: Oil Spill-Induced Trophic Cascades in the Gulf: Exploring Impacts, Research Needs and Management Responses. |
| 2010 | BP-Horizon Oil Spill Bioremediation Technical Symposium, Pensacola FL. |
| 2010 | RAPID NSF BP-Horizon Oil Spill Strategic Planning and Synthesis Group Meeting, Tallahassee, FL. |
| 2009 | Packard Foundation and Stanford University workshop on Ecosystem Based Management: Valuing Services. |
| 2007 | NCEAS participant: "Measuring ecological, economic, and social values of coastal habitats to inform ecosystem-based management of land-sea interfaces." |

ORGANIZED SYMPOSIA and WORKSHOPS

- 2019 Lenfest Ocean Program Synthesis workshop on positive species interactions in restoration.
- 2019 Symposium co-organizer for 2019 Society of Ecological Restoration “Integrating positive species interactions into coastal restoration.”
- 2017 Symposium co-organizer for 2017 Benthic Meeting “Bob Paine: an Outsized American Naturalist.”
- 2011 Symposium co-organizer for 2011 Coasts and Estuarine Research Federation Meeting “Human Impacts on Tidal Wetlands.”
- 2011 Chair for 3rd annual UF Marine Biology Symposium at the Whitney Marine BioScience Lab, St. Augustine, Florida.
- 2010 Co-Chair for 2nd annual UF Marine Biology Symposium at the Whitney Marine BioScience Lab, St. Augustine, Florida.
- 2009 Symposium co-organizer for 2009 Estuarine Research Federation Meeting “Anthropogenic Impacts on the Health and Services of Tidal Wetlands.”
- 2009 Founder and organizer for 1st annual UF Marine Biology Symposium at the Whitney Marine BioScience Lab, St. Augustine, Florida.
- 2008 Think Tank Organizer, TNC-sponsored Conservation: *Conservation Answers*
- 2003 Symposium organizer for 2003 Ecological Society of America meeting: “Anthropogenic modification of North American salt marshes: Causes, Consequences and Recommendations.

INVITED TALKS

- 2020 Shoals Marine Lab, Cornell University.
- 2020 Duke University, Marine Science and Conservation, Beaufort, NC.
- 2019 University of New South Wales, Department of Biology, Sydney, AU.
- 2019 University of Tasmania, Department of Biology, Hobart AU.
- 2019 University of Queensland, Department of Biology, Brisbane, AU.
- 2019 University of Queensland, Center for Biodiversity Conservation, Brisbane, AU.
- 2019 University of New Castle, Department of Marine Science, New Castle, AU.
- 2018 CSIRO, Oceans and Atmospheres, Brisbane, AU.
- 2018 Duke University, Marine Science and Conservation, Beaufort, NC.
- 2018 Stanford University, Hopkins Marine Lab, Monterey Bay, California.
- 2018 University of Oldenburg, Institute of Marine Chemistry and Biology, Germany.
- 2018 University of Texas at Austin, Integrative Biology.
- 2017 Helmholtz Institute of Functional Marine Biodiversity Symposium, University of Oldenburg, Germany.
- 2016 University of Virginia, Department of Environmental Sciences, C’ville, VA.
- 2016 Stony Brook University, School of Atm. and Mar. Sciences, NY.
- 2015 University of Virginia, Department of Environmental Sciences, C’ville, VA.
- 2014 Netherlands Annual Ecology Meeting, NAEM.
- 2014 Virginia Institute of Marine Sciences, Williamsburg, VA.

2014 Cape Eleuthera Institute, Eleuthera, Bahamas.
2014 Duke University, Department of Biology, Durham, NC.
2013 Duke University, Earth and Ocean Science, Durham, NC.
2013 University of California-Santa Cruz, Dept. of Ecology and Evolutionary Biology
2012 AAAS Meetings, Vancouver, Canada.
2012 Duke University, Marine Lab, Beaufort, North Carolina.
2012 Florida Museum of Natural History, University of Florida.
2012 University of Florida, Whitney BioScience Laboratory, Marineland, Florida.
2011 University of Patagonia, Puerto Madryn, Argentina.
2011 CONICET, Puerto Madryn, Argentina.
2011 Stanford University, Hopkins Marine Lab, Pacific Grove, California.
2011 Netherlands Institute of Ecology (NIOO), Yerseke, Netherlands.
2011 Wageningen University, Wageningen, Netherlands.
2011 University of Tours, Institute of Biology, Tours, France.
2011 Florida International University, Department of Biology, Miami, Fl.
2011 Florida State University, Coastal and Marine Lab, St. Theresa, Florida.
2011 Kansas State University, Department of Biology, Kansas
2010 Florida International University, Marin Biology Lab, Biscayne Bay, Fl.
2010 UC at Santa Barbara, Department of EE&MB, Santa Barbara, California
2010 AAAS Meetings, San Diego, California
2010 Netherlands Institute of Ecology (NIOO), Yerseke, Netherlands.
2009 International Marine Conservation Congress, Washington DC.
2009 Davidson College, Department of Biology, Davidson, NC.
2009 Moss Landing Marine Laboratory, San Jose Cal-State University.
2009 University of Florida, Conservation and Wildlife Department, Gainesville, FL.
2009 Simon Fraser University, Department of Biology, Bradbury, Vancouver.
2009 North Carolina State University, Department of Biology, Raleigh, NC.
2008 IX International Symposium on Littorinid Biology and Evolution Vigo, Spain.
2008 University of Central Florida, Department of Biology, Orlando, Florida.
2008 University of Florida, Department of Fisheries, Gainesville, Florida.
2008 Society of Conservation Biology, Symposium on Ecosystem-Based Management:
Integrating Economics and Ecological Approaches, Chattanooga, Tennessee.
2008 Hawaii Institute of Marine Biology, Oahu, Hawaii.
2007 National Center for Ecological Analysis, Santa Barbara, California.
2007 University of Washington, Department of Fisheries, Seattle, Washington.
2007 Edith Cowan University, School of Natural Resources, Perth, Australia.
2007 U. C. Davis, Bodega Bay Marine Lab, Bodega Bay, California.
2007 The Nature Conservancy, Marine Initiative Meeting, Apalachicola, Florida.
2007 University of South Alabama, Daulphin Island Marine Lab, Mobile, Alabama.
2006 Yale University, Department of Ecology and Evolutionary Biology, New Haven,
Connecticut.
2006 Dutch Institute of Marine Sciences, Goes, The Netherlands.
2006 University of Wisconsin, Institute of Limnology, Madison, Wisconsin.
2006 University of Toronto, Department of Biology, Toronto, Canada.
2006 University of Toronto, Biology Department, Distinguished Lecturer in Intro
Biology Class of 2000 students.

- 2006 University of Florida, Whitney BioScience Laboratory, Florida.
 2006 University of Florida, Whitney BioScience Laboratory, Florida.
 2006 Cornell University, Department of Ecology and Evolutionary Biology, Ithaca, New York.
 2006 American Society of Naturalists, Young Investigator Prize Seminar, International Meeting, Stony Brook, New York.
 2006 Hofstra University, Department of Biology, New York, New York.
 2006 University of Chicago, Department of Ecology and Evolutionary Biology, Chicago, Illinois.
 2005 University of Mar del Plata, Department of Biology, Mar del Plata, Argentina.
 2005 University of Florida, Department of Botany, Gainesville, Florida.
 2005 University of South Carolina, Department of Marine Sciences and Biology joint speaker, Columbia, South Carolina (Invited Speaker of Graduate Students).
 2004 University of Alabama, Department of Biology, Tuscolusa, Alabama.
 2004 College of William and Mary, Virginia Institute of Marine Sciences, Williamsburg, Virginia.
 2004 Georgia Tech University, Department of Biology, Atlanta, Georgia.
 2004 South Hampton College, Department of Biology, New York.
 2003 University of Patagonia, Puerto Madryn, Department of Biology, Argentina.
 2003 Catholic University, Santiago, Chile

MATRICULATION of UNDERGRADUATE RESEACHERS to PhD Programs

Rachel Cohn – University of Rhode Island
 Jack Butler – Old Dominion University
 Jessica Diller – University of Florida
 Lindsey Albertson – University of California Santa Barbara
 Sara Lee – University of North Carolina Chapel Hill
 Lauren Sweet – Clemson University
 Chase Mason – University of Georgia
 Marc Hensel – University of Florida
 James Nifong – University of Florida
 Daniel Penniman- University of Florida
 Zachary Chejanoski – Stony Brook University
 Shin-Ping Lao - University of Idaho
 Eric Monaco – University of South Florida
 Stephanie Buhler – North Carolina State University
 Danielle Abbey - University of North Carolina Chapel Hill
 Kami Earl – University of Hawaii
 Catherine Chen – University of North Carolina Chapel Hill
 Betsy Mansfield – Stanford University
 Alex Romosa – Oregon University
 Leo Gaskin – Duke University

MATRICULATION of UNDERGRADUATE STUDENTS to PI POSITIONS

Chase Mason – Assistant Professor, University of Central Florida
James Nifong – Assistant Research Scientist, University of Florida
Sarah Lee – Assistant Professor, Depaul University
Lindsay Albertson – Assistant Professor, University of Montana
Lauren Sweet – EPA

MATRICULATION of GRADUATE STUDENTS

Marc Hensel – Post-doctoral Scholar, VIMS.
Christine Angelini – Associate Professor, University of Florida.
James Nifong – Assistant Research Professor, University of Florida.
Liz Shaver – Coral Reef Scientist – The Nature Conservancy
Stacy Zhang – Post Doctoral Scholar UT Austin and UNC

MATRICULATION of PROFESSIONAL MASTER STUDENTS

Amanda Santoni – NOAA, EPA
Sylvia Chang – West Coast Blue Carbon
Dana Rollison – Pew Charitable Trusts
Rebecca Coles - EPA

MATRICULATION of POST DOCS

Michael McCoy - Associate Professor, East Carolina University.
John Griffin - Senior Lecturer, Swansea University.
Mads Thomson – Assistant Professor, University of Otago.
Edgardo Diaz Ferguson - Executive Director, Coiba Marine Scientific Station
Qiang He – Professor, Fudan University, Beijing China.
Lola Fatoyimbo – Climate Scientist, NASA
Avery Paxton – Fisheries Scientist, NOAA

PROFESSIONAL SOCIETIES

Fellow, American Association for the Advancement of Science
Honorary Lifetime Member, Society of Conservation Biology
Ecological Society of America
Benthic Ecological Society
Coastal and Estuarine Research Federation

NSF PANELS

Dynamics of Coupled Human and Natural Systems, Community and Population Ecology
Science and Technology Center Competition, Biological Oceanography

UNIVERSITY and DEPARTMENTAL SERVICE

2005-present Graduate Student PhD committee member
2013-present Director, Undergraduate Certificate in Marine Science and Conservation
2013-present Faculty Founder and Advisor, Marine Science and Cons. Leadership Union
2020 Member, NSOE Faculty Search Committee
2019 Chair, Promotion Review Committee.
2018 Member, Tenure and Promotion Review Committee.
2018 Chair, Faculty Review Committee for Visiting Faculty Position NSOE
2016 Co-Chair, NSOE Structure Committee
2016 Division Representative, NSOE Faculty Council.
2016 Member, Search Committee for Faculty Position DUML
2016 Member, Tenure and Promotion Review Committee.
2015 Division Representative, NSOE Faculty Council.
2015 Member, Search Committee for DUML Director.
2015 Member, Tenure and Promotion Review Committee.
2015 Chair, Committee for DUML Expansion and Integration.
2014 Chair, Search Committee for McCurdy Scholar.
2014 Member, Undergraduate Committee.
2011 Member, UF Marine Science Undergraduate Major Committee
2010 Member, Admission Committee
2009 Chair, Seminar Committee
2008-12 Faculty Founder and Advisor, UF Marine Biology Club

EDITORIAL SERVICE

2010-present Associate Editor, *Journal of Ecology*
2014-present Editorial Board Member and Associate Editor, *Food-webs*
2008-2010 Reader Advisory Panel, *Nature*
2006 Special Subject Editor, *Ecology*

PEER REVIEW

Journals:

Nature, Science, PNAS, Nature Communications, Nature GeoScience, Nature Climate Change, Current Biology, Proceedings of the Royal Society, Scientific Reports, American Naturalist, Ecology Letters, Ecology, Ecological Applications, Ecological Monographs, PLOS ONE, Global Change Biology, Ecosystems, Limnology and

Oceanography, Journal of Ecology, Journal of Applied Ecology, Journal of Animal Ecology, Oecologia, Oikos, Environmental Research Letters, Environmental Science and Technology, Biological Invasions, Marine Ecology Progress Series, Coral Reefs, Aquatic Biology, Estuaries and Coasts, Estuarine Coast and Shelf Science, Bulletin of Marine Science, Ecography, Aquatic Invasions, Journal of Coastal Research, Journal of Experimental Marine Biology and Ecology, Marine and Freshwater Research, Revista de Biología Marina y Oceanografía in Chile, Wetland Ecology and Management, Wetlands, Hydrobiologia, Austral Ecology.

Proposals:

NSF - Ecosystems, Biological Oceanography, Geomorphology, Population and Community Ecology, Science and Technology Centers.

Sea Grant – Maine, California, Washington, New Jersey, Florida, Texas, Puerto Rico.

NSERC of Canada – Evolution and Ecology.

Books: Seagrass: Biology, Ecology, Functions, and Conservation, editors: T. Larkum, C. Duarte, and J. Orth.