

ANDREW RASSWEILER

Curriculum Vitae

Florida State University
Department of Biological Science
319 Stadium Drive Tallahassee, FL 32304
rassweiler@bio.fsu.edu

Education

- 2008 Ph.D. University of California, Santa Barbara
Department of Ecology, Evolution and Marine Biology
Advisor: Sally J. Holbrook
- 2000 B.A. Princeton University
Department of Ecology and Evolutionary Biology
Advisor: Stephen W. Pacala

Professional Appointments

- 2022- **Associate Professor:** Department of Biological Science, Florida State University
- 2016-2022 **Assistant Professor:** Department of Biological Science, Florida State University
- 2012-2016 **Assistant Researcher:** Marine Science Institute, University of California, Santa Barbara
- 2011-2012 **Assistant Project Scientist:** Marine Science Institute, University of California, Santa Barbara
- 2009-2011 **Post-Doctoral Researcher:** Bren School of Environmental Science & Management, University of California, Santa Barbara. Supervisors: Steven Gaines & Christopher Costello.

Awards & Grants

- 2023-2025 Pew Charitable Trust – Lenfest Ocean Program: “Increasing resilience to climate change and adaptive capacity of Bonaire National Marine Park.” Role Co-PI. (\$392,746)
- 2023-2025 Florida State University: Sustainability and Climate Solutions Grant Program: “Using autonomous systems to assess the vulnerability of nearshore ocean ecosystems to climate change.” Role: PI (\$150,000)
- 2022-2023 Florida State University: Planning Grant. “The role of local dispersal in the spatial dynamics of staghorn coral beds in the Caribbean.” Role: PI (\$24,684)
- 2018-2024 National Science Foundation, “Santa Barbara Coastal Long Term Ecological Research project.” Role: Senior personnel. (\$6,762,000)

- 2017-2022 National Science Foundation, “CNH-L: Multiscale dynamics of coral reef fisheries: feedbacks between fishing practices, livelihood strategies, and shifting dominance of coral and algae.” Role: Co-PI. (\$1,600,000)
- 2017-2021 National Academies of Sciences, Engineering, and Medicine Gulf Research Program, “Developing an integrated monitoring and assessment framework for evaluating ecosystem service outcomes from seagrass restoration in the Gulf of Mexico.” Role: Co-PI. (\$365,699)
- 2016 Florida State University - First year assistant professor award, “Fisheries in the Gulf of Mexico and the need for flexibility in spatial management.” Role: PI. (\$20,000)
- 2014-2019 NASA, “Demonstrating an effective biodiversity observation network in the Santa Barbara Channel.” Role: Co-PI. (\$5,162,041)
- 2014-2018 Bureau of Ocean Energy Management, “DOI Partnership: Distinguishing between human and natural causes of changes in kelp forests using long-term data from DOI monitoring programs.” Role: Co-PI. (\$200,000)
- 2014-2018 National Parks Service, “Analysis and publication of long-term Channel Islands National Park kelp forest monitoring data.” Role: PI. (\$40,000)
- 2013-2016 National Science Foundation, “Adaptive capacity, resilience, and coral reef state shifts in socio-ecological systems.” Role: Co-PI. (\$465,593)
- 2013-2016 National Parks Service, “Mediterranean Coast Network kelp forest monitoring: protocol review and data synthesis.” Role: PI. (\$34,000)
- 2012-2018 National Science Foundation, “Santa Barbara Coastal Long Term Ecological Research project.” Role: Contributed to writing; affiliated researcher. PI: D. Reed. (\$4,860,000)
- 2011-2013 Bureau of Ocean Energy Management, “DOI Partnership: Distinguishing between human and natural causes of changes in kelp forests using long-term data from DOI monitoring programs.” Role: Co-wrote proposal; led research. PI: D. Reed. (\$249,927)
- 2010-2011 Walton Family Foundation, “The Peruvian anchoveta fishery: exploring tradeoffs among economic return, sustainable fishing and higher trophic levels.” Role: Co-wrote proposal; led research. PI: C. Costello. (\$124,551)
- 2005 Brython Davis Endowment Graduate Fellowship. (stipend support)
- 2005 Worster Foundation Grant in support of research and mentoring. (\$7,500)
- 2004 Lerner Gray Fund for Marine Research. (\$1,000)
- 2001-2002 University of California Regents Fellowship. (stipend support)

Honors

- 2021 Nominated for FSU Honors Thesis Mentor Award
- 2021 Elected honorary member of TriBeta Biological Honor Society (FSU chapter)
- 2020 Loretta C. Ellias Award for Undergraduate Teaching (Biological Science, FSU)

Publications

- 2023 McHenry, J., **Rassweiler, A.**, and Lester, S.E., (2023). Seagrass ecosystem services show complex spatial patterns and associations. *Ecosystem Services*. 60: 101543.
- McHenry, J., **Rassweiler, A.**, Hernan, G., Dubel, A.K., Curtin, C., Barzak, J., Varias, N. and Lester, S.E., (2023). Geographic variation in organic carbon storage by seagrass beds. *Limnology and Oceanography*. 68: 1256-1268
- Gentry, R.R., **Rassweiler, A.**, Ruff, E.O. and Lester, S.E., (2023). Global pathways of innovation and spread of marine aquaculture species. *One Earth*, 6(1): 20-30.
- Miller, S.D., Dubel, A.K., Adam, T.C., Cook, D.T., Holbrook, S.J., Schmitt, R.J. and **Rassweiler, A.**, (2023). Using machine learning to achieve simultaneous, georeferenced surveys of fish and benthic communities on shallow coral reefs. *Limnology and Oceanography: Methods*. 21: 451–466.
- 2022 **Rassweiler A.**, S. Miller, S.J., Holbrook, M. Lauer, M.A. Strother, S.E. Lester, T.C. Adam, J. Wencélius, R.J. Schmitt. (2022) How do fisher responses to macroalgal overgrowth influence coral reef resilience? *Limnology and Oceanography*. 67: S365-S377
- Hernan G., A.K. Dubel, J.E. Caselle, D.J. Kushner, R.J. Miller, D.C. Reed, J.L. Sprague, **A. Rassweiler**. (2022) Measuring the Efficiency of Alternative Biodiversity Monitoring Sampling Strategies. *Frontiers in Marine Science*, 9: 1-10.
- Holbrook, S.J., J. Wencélius, A.K. Dubel, T.C. Adam, D.C. Cook, S.E. Lester, **A. Rassweiler**, R.J. Schmitt. (2022) Spatial co-variation in nutrient enrichment and fishing of herbivores in an oceanic coral reef ecosystem. *Ecological Applications*, 32(3), p.e2515.
- Lauer, M., T. Atger, S.J. Holbrook, **A. Rassweiler**, R.J. Schmitt, J. Wencelius. (2022) Who Is Perturbed by Ecological Perturbations? Marine Scientists' and Polynesian Fishers' Understandings of a Crown-Of-Thorn Starfish Outbreak. In *Cooling Down: Local Response to Global Climate Change*, edited by S. Hoffman, T. H. Erickson and P. Mendes. New York: Berghahn.
- Gaiser, E.E. and many authors including A. Rassweiler. (2022) Long-term ecological research and the COVID-19 anthropause: A window to understanding social–ecological disturbance. *Ecosphere*, 13(4): e4019.

- 2021 **Rassweiler A.**, D.K. Okamoto, D.C. Reed, D.J., Kushner, D.M. Schroeder, K.D. Lafferty. (2021) Improving the ability of a BACI design to detect impacts within a kelp-forest community. *Ecological Applications*, e02304.
- McHenry, J, **A. Rassweiler**, G. Hernán, A.K. Dubel, C. Uejio, S. Pau, S.E. Lester. (2021) Modeling the biodiversity enhancement value of seagrass beds. *Diversity and Distributions*, 27(11): 2036-2049.
- Nassiri A., O. Thébaud, J. Claudet, S.J. Holbrook, M. Lauer, **A. Rassweiler**, R.J. Schmitt. (2021) Hedonic evaluation of coral reef fish prices on a direct sale market. *Marine Policy*, 129: 104525.
- Iwaniec, D. and many authors including A. Rassweiler. (2021) Future trajectories for ecosystems of the U.S. Long Term Ecological Research Network: The importance of connectivity. *Ecosphere*, 12 (5), e03432.
- Rognstad, R. L., **Rassweiler, A.**, Reed, D. C., Kui, L., Miller, R. J. (2021) Species archetype models of kelp forest communities reveal diverse responses to environmental gradients. *Oceanography*, 34(2), 92–101.
- 2020 **Rassweiler, A.**, E. Ojea, C. Costello. (2020) Strategically designed marine reserve networks are robust to climate change driven shifts in population connectivity. *Environmental Research Letters*, 15(3): 034030.
- Lester S.E., **A. Rassweiler**, S.J. McCoy, A.K. Dubel, M.K. Donovan, M.W. Miller, S.D. Miller, B.I. Ruttenberg, J.F. Samhour, M.E. Hay. (2020) Caribbean reefs of the Anthropocene: variance in ecosystem metrics indicates bright spots on coral depauperate reefs. *Global Change Biology*, 26(9): 4785-4799.
- Rassweiler A.**, A.K. Dubel, G. Hernan, D.J. Kushner, J.E. Caselle, J.L. Sprague, L. Kui, T. Lamy, S.E. Lester, R.J. Miller. (2020) Roving divers surveying fish in fixed areas capture similar patterns in biogeography but different estimates of density when compared with belt transects. *Frontiers in Marine Science*, 7: 272.
- Lester, S.E., A.K. Dubel, G. Hernan, J. McHenry, **A. Rassweiler**. (2020) Spatial planning principles for marine ecosystem restoration. *Frontiers in Marine Science*, 7: 328.
- Rassweiler, A.**, M. Lauer, S.E. Lester, S.J. Holbrook, R.J. Schmitt, R. Madi Moussa, K.S. Munsterman, H.S. Lenihan, A.J. Brooks, J. Wencélius, J. Claudet. (2020) Perceptions and responses of Pacific island fishers to changing coral reefs. *Ambio*, 49(1): 130-143.
- 2019 Miller, S., **A. Rassweiler**, L. Dee, K. Kleisner, T. Mangin, R. Oliveros-Ramos, J. Tam, F.P. Chavez, M. Ñiquen, S.E. Lester, M. Burden, S. Gaines, C. Costello. (2019) Optimal harvest responses to environmental forecasts depend on resource knowledge and how it can be used. *Canadian Journal of Fisheries and Aquatic Sciences*, 76(9): 1495-1502.

- 2018 Miller, R.J., K.D. Lafferty, T. Lamy, L. Kui, **A. Rassweiler**, D.C. Reed. (2018) Giant kelp increases faunal diversity through physical engineering *Proceedings of the Royal Society B*, 285(1874): 20172571.
- Rassweiler, A.**, D. C. Reed, S.L. Harrer, J. C. Nelson. (2018) Improved estimates of net primary production, growth, and standing crop of *Macrocystis pyrifera* in Southern California. *Ecology*, 99(9): 2132-2132.
- Hunter, C. E., M. Lauer, A. Levine, A., S.J. Holbrook, **A. Rassweiler**. (2018) Maneuvering towards adaptive co-management in a coral reef fishery. *Marine Policy*, 98: 77-84.
- 2017 Lamy, T., D.C. Reed, **A. Rassweiler**, D.A. Siegel, L. Kui, T.W. Bell, R. Simons, R.J. Miller. (2017) Scale-specific drivers of kelp forest communities. *Oecologia*, 186: 217-233.
- 2016 Krumhansl, K.A., D.K. Okamoto, **A. Rassweiler**, M. Novak, et al. (2016) Global patterns of kelp forest change over the past half-century. *Proceedings of the National Academy of Sciences*, 113: 13785-13790.
- Reed, D.C., L. Washburn, **A. Rassweiler**, R.J. Miller, T. Bell, S.L. Harrer. (2016) Extreme warming challenges sentinel status of kelp forests as indicators of climate change. *Nature Communications*, 7:13757.
- Leenhardt, P., M. Lauer, R. Madi Moussa, S.J. Holbrook, **A. Rassweiler**, R.J. Schmitt, J. Claudet. (2016) Complexities and uncertainties in transitioning small-scale coral reef fisheries. *Frontiers in Marine Science*, 3:70.
- 2015 Reed, D.C., **A. Rassweiler**, R. Miller, H. Page, S.J. Holbrook. (2015) The value of a broad temporal and spatial perspective in understanding dynamics of kelp forest ecosystems. *Marine & Freshwater Research*, 67(1): 14-24.
- Caselle, J.E., **A. Rassweiler**, S.L. Hamilton, R.R. Warner. (2015) Recovery trajectories of kelp forest animals are rapid yet spatially variable across a network of temperate marine protected areas. *Scientific Reports*, 5: 14.
- Reed, D., C.A. Carlson, E.R. Halewood, J.C. Nelson, S.L. Harrer, **A. Rassweiler**, R.J. Miller. (2015) Patterns and controls of reef-scale production of dissolved organic carbon by giant kelp *Macrocystis pyrifera*. *Limnology and Oceanography*, 60(6): 1996-2008.
- Berriman, J.S., M.C. Kay, D.C. Reed, **A. Rassweiler**, D.A. Goldstein, W.G. Wright. (2015) Shifts in attack behavior of an important kelp forest predator within marine reserves *Marine Ecology Progress Series*, 522: 193-201.
- Ling S.D., R.E. Scheibling, **A. Rassweiler**, C.R. Johnson, N. Shears, et al. (2015) Global phase-shift dynamics of catastrophic sea urchin overgrazing. *Philosophical Transactions of the Royal Society B*, 370: 20130269.

- 2014 **Rassweiler A**, C. Costello, R. Hilborn, D.A. Siegel. (2014) Integrating scientific guidance into marine spatial planning. *Proceedings of the Royal Society B*, 281: 20132252.
- White, J.W., **A. Rassweiler**, J.F. Samhouri, A.C. Stier, C. White. (2014) Ecologists should not use statistical significance tests to interpret simulation model results. *Oikos*. 123: 385–388.
- 2013 Lester, S.E., C. Costello, **A. Rassweiler**, S. D. Gaines, R. Deacon. (2013) Encourage sustainability by giving credit for MPAs in seafood certification. *PLoS Biology*, 11: e1001730.
- Kushner, D.J., **A. Rassweiler**, J. McLaughlin, K. Lafferty. (2013) A multi-decade time series of kelp forest community structure at the California Channel Islands. *Ecology*, 94: 2655-2655.
- Kenner, M.C., J.A. Estes, M. T Tinker, J.L. Bodkin, R.K. Cowen, C. Harrold, B.B. Hatfield, M. Novak, **A. Rassweiler**, D.C. Reed. (2013) A multi-decade time series of kelp forest community structure at San Nicolas Island, California. *Ecology*, 94: 2654-2654.
- Brzezinski, M.A., D.C. Reed, S. Harrer, **A. Rassweiler**, J.M. Melack, B. Goodridge, J.E. Dugan. (2013) Multiple sources and forms of nitrogen sustain year-round kelp growth on the inner continental shelf of the Santa Barbara Channel. *Oceanography*, 26: 114–123.
- Rodriguez, G.E., **A. Rassweiler**, D.C. Reed, S.J. Holbrook. (2013) The importance of progressive senescence in the biomass dynamics of giant kelp. *Ecology*, 94: 1848–1858.
- White, J.W., A.J. Scholz, **A. Rassweiler**, C. Steinback, L.W. Botsford, S. Kruse, C. Costello, S. Mitarai, D.A. Siegel, P.T. Drake, C.A. Edwards. (2013) A comparison of approaches used for economic analysis in marine protected area network planning in California. *Ocean & Coastal Management*, 74: 77-89.
- 2012 **Rassweiler, A**, C. Costello, D.A. Siegel. (2012) Marine protected areas and the value of spatially optimized fishery management. *Proceedings of the National Academy of Sciences*, 109: 11884-11889.
- 2011 Bestelmeyer, B.T., A.M. Ellison, W.R. Fraser, K.B. Gorman, S.J. Holbrook, C.M. Laney, M.D. Ohman, D.P.C. Peters, F.C. Pillsbury, **A. Rassweiler**, R.J. Schmitt, S. Sharma (2011) Analysis of abrupt transitions in ecological systems. *Ecosphere*, 2: 129.
- Watson, J.R., D.A. Siegel, B.E. Kendall, S. Mitarai, **A. Rassweiler**, S.D. Gaines (2011) Identifying critical regions in small-world marine metapopulations, *Proceedings of the National Academy of Sciences*, 108: E907–E913.
- Rassweiler, A.**, T. Rassweiler (2011) Does rapid scavenging hide non-predation mortality in coral-reef communities? *Marine and Freshwater Research*, 62: 510-515.

- Reed, D.C., **A. Rassweiler**, M.H. Carr, K.C. Cavanaugh, D.P. Malone, D.A. Siegel (2011) Wave disturbance overwhelms top-down and bottom-up control of primary production in California kelp forests. *Ecology*, 92: 2108-2116.
- 2010 Costello, C., **A. Rassweiler**, D. Siegel, G. De Leo, F. Micheli, A. Rosenberg (2010) The value of spatial information in MPA network design. *Proceedings of the National Academy of Sciences*, 107: 18294-18299.
- Rassweiler, A.**, R.J. Schmitt, S.J. Holbrook (2010) Triggers and maintenance of multiple shifts in the state of a natural community. *Oecologia*, 164: 489–498.
- 2009 Reed, D.C., **A. Rassweiler**, K.K. Arkema (2009) Density derived estimates of standing crop and net primary production in the giant kelp *Macrocystis pyrifera*. *Marine Biology*, 156: 2077-2083.
- 2008 **Rassweiler, A.**, K.K. Arkema, D.C. Reed, R.C. Zimmerman, M.A. Brzezinski (2008) Net primary production, growth and standing crop of *Macrocystis pyrifera* in Southern California. *Ecology*, 89: 2068-2068.
- Reed, D.C., **A. Rassweiler**, K.K. Arkema (2008) Biomass rather than growth rate determines variation in net primary production by giant kelp. *Ecology*, 89: 2493-2505.
- 2007 Buenau, K.E., **A. Rassweiler**, R.M. Nisbet (2007) Space competition and regime shifts on structured landscapes. *Ecology*, 88: 3022-3031.
- Harmon, M.E, D.L. Phillips, J.J. Battles, **A. Rassweiler**, R.O. Hall, W.K. Lauenroth (2007) Quantifying uncertainty in net primary production measurements. In: Fahey T.J and Alan K. Knapp, A.K. (editors). Principles and standards for measuring net primary production in long-term ecological studies. *Oxford University Press*.
- 2006 White, E.P., P.B. Adler, W.K. Lauenroth, R.A. Gill, D. Greenberg, D.M. Kaufman, **A. Rassweiler**, J.A. Rusak, M.D. Smith, J.R. Steinbeck, R.B. Waide, and J. Yao (2006) A comparison of the species-time relationship across ecosystems and taxonomic groups. *Oikos*, 112: 185-195.
- 2005 Adler, P.B., E.P. White, W.K. Lauenroth, D.M. Kaufman, **A. Rassweiler**, J.A. Rusak (2005) Evidence for a general species-time-area relationship. *Ecology*, 86: 2032-2039.

Teaching

Instructor of Record:

Computational Experiments in Ecology and Evolution. *Florida State University* (2018, '19, '22).

Conservation Biology. *Florida State University* (2016, '17, '20, '21, '23, '24).

Introduction to Ecology. *University of California, Santa Barbara* (2013) Co-taught with R. Nisbet

Teaching Assistant:

Applied Marine Ecology. *University of California, Santa Barbara* (2004, 2005, 2006).

Introduction to Ecology. *University of California, Santa Barbara* (2002, 2003, 2004, 2007).

Aquatic Biology and Policy. *University of California, Santa Barbara* (2002).

Thesis supervision & mentorship

Postdoctoral Scholars

Betsy Mansfield (2022-), Coastal and Marine Laboratory, Florida State University

Gema Hernan (2018-2020), Department of Biological Sciences. Florida State University.

Dan Okamoto (2016-2017), Department of Biological Sciences. Florida State University.

Thomas Lamy (2015-2017, co-mentored with Robert Miller). Marine Science Institute, UCSB.

Graduate Students (major advisor)

Alexandra Dubel, Ph.D. anticipated 2025. Department of Biological Sciences. FSU.

Allison Blanchette, Ph.D. anticipated 2025. Department of Biological Sciences. FSU.

Scott Miller, Ph.D. 2023. Department of Biological Sciences. FSU.

Joshua Manning, Ph.D. 2022. Department of Biological Sciences. FSU.

Graduate Students (committee member)

Barry Walton, Ph.D., anticipated 2026. Department of Biological Sciences. FSU.

Donovan Baughman, Ph.D., anticipated 2025. Department of Biological Sciences. FSU.

Ashley Dawdy, Ph.D. anticipated 2024. Department of Biological Sciences. FSU.

Michael Wintermantel, Ph.D. anticipated 2024. Department of Biological Sciences. FSU.

Aaron Ridall, Ph.D. anticipated 2023. Department of Biological Sciences. FSU.

Rachel Best, Ph.D. anticipated 2023. Department of Biological Sciences. FSU.

John Paul Irving, Ph.D. anticipated 2023. Dept. of Earth, Ocean and Atmospheric Sciences. FSU.

Jennifer McHenry, Ph.D. 2022. Department of Geography. FSU.

Abbey Engleman, Ph.D. 2020. Department of Biological Sciences. FSU.

Margaret Vogel, Ph.D. 2020. Department of Biological Sciences. FSU.

Rebeca Toseland, M.S. 2014, Ecology, Evolution and Marine Biology, UCSB.

Undergraduate Honors committee service

Sydney Grzep 2023, Honors thesis committee member, FSU

Angela Seibert 2021, Honors thesis committee member, FSU

Alyssa Turner 2020, Honors thesis committee chair, FSU

Eli Myron	2020, Honors thesis committee member, FSU
Connor O'Halloran	2019, Honors thesis committee member, FSU
Alia Al-Humaidhi	2007, Honors thesis committee member, UCSB
Benjamin Doctor	2007, Honors thesis committee member, UCSB

Colloquia and Invited talks

- 2022 Georgia Institute of Technology, School of Biological Sciences, Seminar.
- 2021 California State University Monterey Bay, Natural Sciences Seminar Series.
- 2021 Moss Landing Marine Laboratory, Seminar Series.
- 2015 Florida State University, Departmental Seminar.
- 2014 Temple University, Departmental Seminar.
- 2014 Northwest Fisheries Science Center, NOAA, Monster seminar JAM.
- 2013 California State University Long Beach, Departmental Seminar.
- 2013 Bryn Mawr College, Departmental Seminar.
- 2013 Wake Forest University, Departmental Seminar.
- 2011 Scripps Institution of Oceanography, Departmental Seminar.

Conference Presentations

Oral presentations:

- 2023 51st Benthic Ecology Meeting, Miami FL.
- 2022 Western Society of Naturalists Meeting, Oxnard CA.
- 2021 14th International Coral Reef Symposium, Online.
- 2020 Western Society of Naturalists Meeting, Online.
- 2020 Ocean Sciences Meeting, San Diego, CA.
- 2018 Western Society of Naturalists Meeting, Tacoma, WA.
- 2018 Benthic Ecology Meeting, Corpus Christi, TX.
- 2016 Western Society of Naturalists Meeting, Monterey, CA.
- 2016 Ecological Society of America Meeting, Fort Lauderdale, FL.
- 2016 Ocean Sciences Meeting, New Orleans, LA.

- 2014 IDEA Workshop on Moorea Social Ecological Systems, Berkeley, CA.
- 2012 California Islands Symposium, Ventura, CA.
- 2012 Ecological Society of America Meeting, Portland, OR.
- 2010 Fisheries Management in an Ecosystem Context: An exchange between the Humboldt Current and the Eastern Bering Sea, Seattle, WA.
- 2010 American Association for the Advancement of Science Meeting, San Diego, CA.
- 2009 Western Society of Naturalists Meeting, Monterey, CA.
- 2007 Ecological Society of America Meeting, San Jose, CA.
- 2007 Long Term Ecological Research Network Science Council Meeting, Portland, OR.
- 2006 International Temperate Reef Symposium, Santa Barbara, CA.
- 2005 Western Society of Naturalists Meeting, Monterey, CA.

Poster presentations:

- 2018 Ecological Society of America Meeting, New Orleans, LA.
- 2015 Coastal SEES PI meeting, National Science Foundation, Arlington, VA.
- 2012 Long-Term Ecological Research Network All Scientists Meeting, Estes Park, CO.
- 2009 Long-Term Ecological Research Network All Scientists Meeting, Estes Park, CO.
- 2006 Long-Term Ecological Research Network All Scientists Meeting, Estes Park, CO.
- 2004 Toxic Substances Research and Teaching Program Symposium, San Diego, CA.
- 2003 Long-Term Ecological Research Network All Scientists Meeting, Seattle, WA 2003.
- 2003 Toxic Substances Research and Teaching Program Symposium, Oakland, CA.
- 2000 9th International Coral Reef Symposium. Bali, Indonesia

Service and Synergistic Activities

Panelist for:

National Science Foundation (LTER, BIO-OCE, GRFP)

Proposal reviewer for:

National Science Foundation (Dimensions of Biodiversity, Science and Technology Centers, LTER, BIO-OCE)

Natural Environment Research Council (UK)

California SeaGrant

Marsden Fund (New Zealand Royal Society Grants)

Manuscript reviewer for:

American Naturalist, Biological Conservation, Conservation Letters, Conservation Biology, Current Biology, Biological Conservation, Ecological Applications, Ecological Economics, Ecological Monographs, Ecology, Ecosphere, Fish and Fisheries, Global Change Biology, Global Ecology and Biogeography, Hydrobiologia, ICES Journal of Marine Science, Journal of Applied Ecology, Journal of Ecology, Journal of Experimental Marine Biology and Ecology, Journal of the Royal Society Interface, Journal of Theoretical Biology, Marine Biology, Marine Ecology Progress Series, Nature Communications, Nature Geoscience, Oecologia, Oikos, OneEarth, PLoS one, People and Nature, Proceedings of the National Academy of Sciences USA, Proceedings of the Royal Society B, Royal Society Open Science, Science Advances, Theoretical Population Biology.

Department service:

- 2022 Member – Biological Sciences Awards Committee
- 2016- Chair - Postdoctoral Teaching Scholar Committee, FSU
- 2022-2023 Ecology and Evolution Graduate Program Area Representative
- 2020-21 Lead - Graduate reviews redesign working group
- 2022- Member – Diversity, Equity, and Inclusion Committee: departmental survey group
- 2018-2019 Member - Theory Search Committee, Department of Biological Science, FSU
- 2018-2019, 2021-2022 Member - Executive Committee, Department of Biological Science, FSU
- 2017-2019 Member - Elections Committee, Department of Biological Science, FSU
- 2016- Member - Mote Eminent Scholar Committee, FSU
- 2016- Member - Yerger Lectureship Committee, FSU
- 2006-2008 Member - Diving Control Board, UCSB
- 2006-2007 Graduate representative - Systems Biology Faculty Search Committee, UCSB

University service:

- 2023- Member - Diving Control Board, FSU
- 2022-2024 FSU Coastal and Marine Lab – Faculty Evaluation Committee
- 2022 Academic honor policy hearing – panel member
- 2021-2023 Faculty senator (FSU)
- 2006-2008 Member - Diving Control Board, UCSB

Other service:

- 2013-2015 Science Team Member – Floating Forests citizen science initiative;
<https://www.floatingforests.org/>
- 2009-2010 Technical Advisor - California Marine Life Protection Act Planning Process,
North Coast Round
- 2008-2009 Technical Advisor - California Marine Life Protection Act Planning Process,
South Coast Round
- 2007-2008 Graduate student representative - Santa Barbara Coastal LTER