

CURRICULUM VITAE

Peggy Fong

ADDRESS

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EDUCATION

Ph.D. 1991 University of California, Davis and San Diego State University (Ecology).
M.S. 1986 San Diego State University (Ecology).
B.S. 1978 Marquette University, Wisconsin (Biology).

POSITIONS HELD

Professor, Dept. of Ecology and Evolutionary Biology, University of California, Los Angeles, 2016- present
Professor and Vice Chair, Dept. of Ecology and Evolutionary Biology, University of California, Los Angeles, 2008-2016
Associate Professor, Dept. of Ecology and Evolutionary Biology, University of California, Los Angeles, 2002-2008
Assistant Professor, Dept. of Organismic Biology, Ecology, and Evolution, University of California, Los Angeles, 1995-2002
Assistant Research Professor, San Diego State University, San Diego, 1994-995
The Rosenstiel Postdoctoral Fellow, Rosenstiel School of Marine and Atmospheric Science, University of Miami, Miami, FL, 1992- 1994.

CURRENT FELLOWSHIPS AND GRANT SUPPORT

2020-2023. UC Historically Black Colleges and Universities Grant. Integrating education and research \$ 250,000 (With Paul Barber- granted as one grant, not split)
2018-2021 National Science Foundation Division of Geosciences, Education & Diversity. Award # 1823461 to Barber and Fong, \$432,042 The Diversity Project-A Transformative Field Research Experience That Engages Students by Empowering Them to Conduct Original Marine Research. September 1, 2018 - August 31, 2021.
2017-2020 National Science Foundation Division of Geosciences, Education & Diversity. FIELD: Fieldwork Inspiring Expanded Leadership and Diversity. Total award \$400,000. \$19,999 subaward from Colorado State University.
2016-2019 National Park Service, Cooperative Agreement, Raising visitor awareness, mapping, and assessing the impact of a new invasive species spreading rapidly in the US Virgin Islands National Park (\$32,000)

2016-2019 UC Historically Black Colleges and Universities Grant. Integrating education and research \$ 300,568 (With Paul Barber- granted as one grant, not split)

2014-2017 NSF RAPIDS, Are Eastern Tropical Pacific reefs becoming more resilient to ENSO? (total \$200,000) UCLA portion \$22,396

2014-2016 National Park Service, Cooperative Agreement, Raising visitor awareness, mapping, and assessing the impact of a new invasive species spreading rapidly in the US Virgin Islands National Park (\$10,888)

2013-2015 UC 2013-2013-2015 Historically Black Colleges and Universities Grant. Integrating education and research \$ 300,568 (With Paul Barber- granted as one grant, not split)

2013-2014 State Water Quality Control Board/ Southern California Coastal Water Research Project (SCCWRP) Merit based basic research grant (\$68,735) (Single PI)

2012-2013 State Water Quality Control Board/ Southern California Coastal Water Research Project. Merit based basic research grant (\$82,150) (Single PI)

2010-2012 State Water Quality Control Board/ SCCWRP. Merit based basic research grant (\$189,2500) (Single PI)

2007-2013 NSF COSEE-West community based ocean sciences education \$941,198 (single PI)

2007-2011 USEPA/Regional Water Quality Control Board/ SCCWRP (\$188,000) (Single PI)

2005-2011 National Science Foundation, Biological Oceanography (\$100,000 direct to Fong) (co-PI with P.W. Glynn, University of Miami)

1999-2004 USEPA/ Ecological Indicators Program (\$399,335) (single PI)

1999-2001 Santa Monica Bay Restoration Foundation (\$75,000) (single PI)

1999-2001 EPA/ STAR Fellowship, Student support for Ph.D. research. (\$19,405)

2000-2002 EPA/ STAR Fellowship, Student support for Ph.D. research. (\$19,405)

AWARDS AND HONORS

Cum laude, Marquette University, 1978.

National Oceanographic & Atmospheric Ass.'s Best Graduate Research Award, 1986.

American Society of Limnology and Oceanography's Best Student Poster Award, 1987.

California Sea Grant Research Fellowship, 1990.

The Rosenstiel Research Associate Award at University of Miami's Rosenstiel School of Marine and Atmospheric Science, 1992-1994.

1998 Faculty Teaching Award, Department of Biology, UCLA.

Career Development Award, 1998-1999.

2001 Faculty Teaching Award, Department of Biology, UCLA.

President, California Estuarine Research Society (2009-present)

Member, Governing Board, Estuarine Research Federation (2007-present)

UCLA's Distinguished Teaching Award for Mentoring Undergraduates in Research 2008

Undergraduate Research Scholars Award, UCLA, each year 2009 – 2013

Mentor Award, Alliance for Graduate Education and the Professorate Summer Research Program, 2011-present
William A. Niering Outstanding Educator Award from the Coastal and Estuarine Research Federation, 2015.
UCLA's Life Sciences Faculty Excellence Award for Promoting Diversity and Inclusion, 2017
UCLA's Academic Senate Diversity, Equity, and Inclusion Student Development Award, 2020.

PUBLICATIONS

* denotes co-authors that are/were PhD students ** denotes undergraduate co-authors ^{TDP} denotes participants on The Diversity Project

IN PREP

Gaynus, Camille* ^{TDP}; Bideau, Shamoy** ^{TDP}; Gasca, Maria** ^{TDP}; McDonald, Adriane** ^{TDP}; Habtes, Sennai; Barber, Paul; Fong, Caitlin; **Fong, Peggy**. (in prep). Functional redundancy within an herbivore guild on a Pacific coral reef subject to shifting environmental context.

IN REVIEW

Gaynus, Camille* ^{TDP}; Caitlin Fong, Shalanda Grier* ^{TDP}, Paul Barber, Peggy Fong (submitted August 14). Increased sediment loads destabilize algal turf at two fringing reefs subject to differing contexts: evaluating responses across a stress gradient. JEMBE

Fong CR, Howard HB* ^{TDP}, Molina N* ^{TDP}, Smith NN* ^{TDP}, Sura SA*, **Fong P**. (Revision submitted August 3). Testing the conceptual and operational underpinnings of herbivory assays: does variation in predictability of resources, assay design, and deployment methods affect outcomes? JEMBE

Ryznar Emily*, Fong Peggy, Fong Caitlin (second request for revisions 8-20) When form does not predict function: empirical evidence violates functional form hypotheses for marine macroalgae. Journal of Ecology

Cheryl A. Brown, James E. Kaldy, Peggy Fong, Daniel R. Wise, William Rugh, Patrick Clinton and Caitlin Fong. (revise and resubmit requested) Latitudinal gradients in nitrogen isotope ratios of estuarine primary producers and nitrate along the west coast of North America. Frontier in Marine Science.

Sura* Shayna A., Allison Bell**, Kristina L. Kunes**, Becca Songer**, Rachel Turba*, and **Peggy Fong**. (revisions submitted July 8). Nutrient addition, herbivory, and species-specific responses to sediment addition decrease herbivory via increasing physical defenses of two common coral reef macroalgae. JEMBE

Fong, Caitlin, Anggoro, Aji*, Chiquillo, Kelcie*, Gaynus, Camille* ^{TDP}, Grier, Shalanda* ^{TDP}, Hà, Benjamin*, Moore, Tiara* ^{TDP}, Ryznar, Emily*, Smith, Lauren*, Sura, Shayna*, Zweng, Regina*, Fong, Peggy. (reject but invite to resubmit April 20). Classifying interactions as 'synergistic' or 'antagonistic' introduces bias and may hinder our understanding of stressor interactions. Biology Letters.

Sura*, Shayna, Molina Nury**^{TDP}, Blumstein, Daniel and **Peggy Fong** (revision submitted August 18 2020). Functional redundancy and complementarity of herbivorous fishes on a fringing reef in Mo'orea, French Polynesia. JEMBE

Moore, Tiara*^{TDP} and **Peggy Fong** (major revisions Jan 5). Nutrients cause cascading effects by altering interspecific interactions that change biomass and carbonate content of coral reef macroalgae. Marine Pollution Bulletin.

Santano J*^{TDP}, Milton I*^{TDP}, Navarro B*^{TDP}, Warren R*^{TDP}, Barber PH, **Fong P**, Fong CR. (submitted revision July 28) Structural complexity shapes herbivore behavior and abundance, increasing herbivory pressure on a turf-dominated, fringing reef. Journal of Experimental Marine Biology and Ecology.

PUBLISHED

2020

Chiquillo KL*, Mims BM^{TDP}, Chong AU^{TDP}, Johnson C^{TDP}, Habtes SY, Fong CR, Barber PH, Fong P (revision submitted August 5). Herbivory may limit proximity of the seagrass *Halophila decipiens* to fringing reefs in Mo'orea, French Polynesia. Aquatic Botany

Fong, Caitlin, Kennison, Rachel, and **Peggy Fong**. (Accepted July 22). Nutrient subsidies to Southern California estuaries can be characterized as pulse-interpulse regimes that may be dampened with extreme eutrophy. Estuaries and Coasts.

Clausing, R.J. *, Phillips, N., and **Peggy Fong**. (accepted April 6). Environmental context shapes the long-term role of nutrients in driving inter-annual producer community trajectories in a top-down dominated marine ecosystem. Journal of Ecology

Muthukrishnan, Ranjan; Chiquillo, Kelcie*; Cross, Candice**; **Fong, Peggy**; Kelley, Thomas; Toline, Anna; Zweng*, Regina; Willette, Demian. 2020. Little giants: A rapidly invading seagrass alters ecosystem functioning relative to native foundation species. Marine Biology 167: 81-96, Highlighted Article

Demian Willette, Kelcie Chiquillo*, Candice Cross**, **Peggy Fong**, Thomas Kelley, Anna Toline, Regina Zweng, Ranjan Muthukrishnan (2020) Growth and recovery after disturbance of a rapidly-expanding invasive seagrass in St John, US Virgin Islands. JEMBE 523: 151265 <https://doi.org/10.1016/j.jembe.2019.151265>

Bittick, S.J*, Fong, C.R., Clausing, R.J. *, Harvey, J.D.***, Johnson, T.M. **, Frymann, T.A. **, and **Fong, P.** (2020) The strength of herbivory is similar or even greater in algal-compared to coral-dominated habitats on a recovering coral reef. MEPS 634: 225-229 <https://doi.org/10.3354/meps13172>

2019

Sura* S. A., Delgadillo** A., Franco** N., Gu** K, Turba* R., **Fong P.** (2019) Macroalgae and nutrients promote algal turf growth in the absence of herbivores. Coral Reefs 38: 425-429. doi.org/10.1007/s00338-019-01793-w

Blanchette, A. **, Ely, T. **, Zeko, A. **, Sura, S.A. *, Turba, R. *, **Fong, P.** (2019) The damselfish *Stegastes nigricans* increases growth of algal turf via enhanced nutrient supplies within their territories on shallow coral reefs. JEMBE 513: 21-26.

Edmunds, P., Adam, T., Baker, A., Doo, S., Glynn, P., Manzello, D., Silbiger, N., Smith, T., Fong, P. (2019). Why more comparative approaches are required in time-series analyses of coral reef ecosystems. MEPS 608: 297-306.

2018

Fong, C.R., Chancellor K.S.^{TDP}, Renzi J.J.^{TDP}, Robinson D. R.^{TDP}, Barber P.H., Sennai Y. Habtes, S.Y., **Fong, P.** (2018) Epibionts on *Turbinaria ornata*, a secondary foundational macroalga on coral reefs, provide diverse trophic support to fishes. Marine Environmental Research 141: 39-43. <https://doi.org/10.1016/j.marenvres.2018.08.001>

Johnson G. C. **, A. K. Pezner**, S. A. Sura* and **P. Fong.** (2018). Nutrients and herbivory, but not sediments, have opposite and independent effects on the tropical macroalga, *Padina boryana*. Journal of Experimental Marine Biology and Ecology: 507: 17-22

Glynn, P.W., Feingold, JS, Baker, A., Banks, S., Baums, I., Cole, J., Colgan, M., **Fong, P.**, Glynn, P.J., Keith, I., Manzello, D., Riegl, R., Ruttenberg, B., Smith, T., Vera-Zambrano, M. (2018). State of corals and coral reefs of the Galápagos Islands (Ecuador): Past, present and future. Marine Pollution Bulletin. 133: 717-733

Bittick, S.J.* , M. Sutula, and **P. Fong.** (2018) A tale of two algal blooms: negative and predictable effects of two common macroalgae on seagrass health. Marine Environmental Research 140: 1-9

Muthukrishnan, R* and **Fong, P.** (2018). Rapid recovery of a coral dominated Eastern Tropical Pacific reef after experimentally produced anthropogenic disturbance. Marine Environmental Research 138: 79-86

Bittick, S.J*, Scoma, S.R.** Clausing, R.J. *, Fong, C.R., **Fong, P.** (2018). A rapidly expanding macroalga acts as a foundational species providing trophic support and habitat in the South Pacific. Ecosystems 22: 165-173. 10.1007/s10021-018-0261-1

Fong, C.R., Bittick, S.J.* and **Fong, P.** (2018). Simultaneous synergist, antagonistic, and additive interactions between multiple local stressors all degrade algal turf communities on coral reefs. Journal of Ecology 104: 1390-1400. DOI: 10.1111/1365-2745.12914

Fong, C.R., Matthew Frias**, Nicholas Goody**, Sarah Joy Bittick*, Rachel J. Clausing*, and **Peggy Fong** (2018). Empirical data demonstrates risk-tradeoffs between landscapes for herbivorous fish may promote reef resilience. Journal of Marine Environmental Research 133:1-5

2017

Fong, C.R. and **P. Fong.** 2017. Nutrient fluctuations in marine systems: Press versus pulse nutrient subsidies affect producer competition and diversity in estuaries and coral reefs. Estuaries and Coasts 41: 421-429 DOI 10.1007/s12237-017-0291-5

2016

Jessica L. Bergman**, Brian N. Dang**, Mariam Tabatabaee**, Marilyn M. McGowan**, Caitlin R. Fong, Sarah Joy Bittick*, and **Peggy Fong**. 2016. Nutrients induce and herbivores maintain thallus toughness, a structural anti-herbivory defense in *Turbinaria ornata*. MEPS 559:35-43

Rachel Clausing*, Sarah Joy Bittick*, Caitlin Fong and **Peggy Fong**. 2016. Sediments influence accumulation of two macroalgal species through novel but opposite interactions with nutrients and herbivory. Coral Reefs 35: 1297-1309 doi:10.1007/s00338-016-1477-1

Muthukrishnan, R*, Lloyd-Smith, J, and **Peggy Fong**. 2016. Mechanisms of resilience: empirically quantified positive feedbacks produce alternate stable states dynamics in a model of a tropical reef. Journal of Ecology 104: 1662-1672

Fong P, Smith* TB, and Muthukrishnan* R. 2016. Algal dynamics: alternative stable states of reefs of the eastern tropical Pacific. Chapter 11 IN: Coral Reefs of the Eastern Tropical Pacific.

Clausing*, R. and **P. Fong**. 2016. Environmental variability drives rapid and dramatic changes in nutrient limitation across tropical macroalgae with different life histories. Coral Reefs 35: 669-680 DOI 10.1007/s00338-016-1403-6

Fong P., Frazier**, N M., Thompkins-Cook**, C, Muthukrishnan* R, Fong, C.R. 2016. Size matters: Experimental partitioning of the strength of fish herbivory on a fringing coral reef in Moorea, French Polynesia. Marine Ecology 37:933-942

Bittick*, S.J.^{1*}, Clausing*, R.J.¹, Fong, C.R.², **Fong, P**. 2016. Bolstered physical defences under nutrient enriched conditions may facilitate a secondary foundational algal species in the South Pacific. J of Ecology 104: 646-653 doi: 10.1111/1365-2745.12539

2015

Green*, L. and **P. Fong**. 2015. The good, the bad and the *Ulva*: The density dependent role of macroalgal subsidies in influencing diversity and trophic structure of an estuarine community. Oikos 125:1-13. DOI: 10.1111/oik.02860

Kathryn N. Keeley**, Jolie D. Stroh**, Diem Samantha C. Tran**, Caitlin R. Fong, and **Peggy Fong**. 2015. Location, location, location: small shifts in collection site result in large intraspecific differences in macroalgal palatability. Coral Reefs 34: 607-610 DOI 10.1007/s00338-015-1274-2

Green*, L. and **P. Fong**. 2015. A small-scale test of the species-energy hypothesis in a southern California estuary. JEMBE 464: 35-43.

2014

Clausing, R*, Annunziata**, C., Baker**, G., Lee**, C. and **Fong, P**. 2014. Effects of sediment depth on algal turf height are mediated by interactions with fish herbivory on a fringing reef. MEPS 517: 121-129

Green*, L., Blumstein, D., and **P. Fong**. 2014. Macroalgal blooms in a eutrophic estuary obscure visual foraging cues and increase variability in prey availability for some shorebirds. *Estuaries and Coasts*. DOI 10.1007/s12237-014-9862-x

Muthukrisnan, R* and **P. Fong**. 2014. Multiple anthropogenic stressors exert complex, interactive effects on a coral reef community. *Coral Reefs* 33: 911-921.

Fong, C.R. and **P. Fong**. 2014. Why species matter: an experimental assessment of the underlying assumptions and predictive ability of two functional-group community models. *Ecology* 95: 2055-2061.

Kappus, S.* and **P. Fong**. 2014. Sex ratio does not influence sex change despite its effect on reproductive success. *Behavioral Ecology* 25: 827-833 doi: 10.1093/beheco/aru039

Sutula, M., Green*, L., Cicchetti, G., Detenbeck, N., and **Fong P.** 2014. Thresholds of adverse effects of macroalgal abundance and sediment organic matter on benthic habitat quality in estuarine intertidal flats. *Estuaries and Coasts* 37: 1532-1548 doi 10.1007/s12237-014-9706-3

Green*, L., Sutula, M., and **Fong, P.** 2014. How much is too much? Identifying benchmarks of adverse effects of macroalgae on the macrobenthic community in intertidal flats. *Ecological Applications* 24: 300-314 <http://dx.doi.org/10.1890/13-0524.1>

2013

Kennison*, R.L. and **Peggy Fong**. 2013. High amplitude tides that result in floating mats decouple algal distribution from recruitment and nutrient source. *MEPS* 494: 73-86. DOI: 10.3354/meps10504

Kennison*, R.L. and **P. Fong**. 2013. Extreme eutrophication in shallow estuaries and lagoons of California is driven by a unique combination of local watershed modifications that trump that variability associated with et and dry seasons. *Estuaries and Coasts Special Issue*. DOI 10.1007/s12237-013-9687-z

Hensley**, N.M., Elmasri** O.L., Slaughter**, E.I., Kappus*, S., and **P. Fong**. 2013. Two species of *Halimeda*, a calcifying genus of tropical macroalgae, are robust to epiphytism by cyanobacteria. *Aquatic Ecology*. DOI 10.1007/s10452-013-9456-x

2012

McGlathery, K., Sundback, K., and **P. Fong**. 2012. Estuarine Benthic Algae. Chapter 8 IN: *Estuarine Ecology*. John Day (ed), Springer.

Chan**, A.A.Y, Lubarsky**, K., Judy**, K. and **P. Fong**. 2012. Nutrient addition increases consumption rates across a range of tropical algae. *MEPS* 465: 25-31.

2011

Kennison*, R. L., K. Kamer*, and **P. Fong**. 2011. Rapid nitrate uptake rates and large short-term storage capacities may explain why opportunistic green macroalgae dominate shallow eutrophic estuaries. *Journal of Phycology* 47: 483-494.

P. Fong and V.J. Paul. 2011. Coral reef algae. IN: Coral Reefs: An Ecosystem in Transition. Z. Dubinsky and N.Stambler (eds), Springer. Pgs 241-272. DOI 10.1007/978-94-007-0114-4_17

2010

Juhasz**, A., E. Ho**, E. Bender**, and **P. Fong**. 2010. Does use of tropical beaches by tourists and island residents result in damage to fringing coral reefs? A case study in Moorea French Polynesia. Marine Pollution Bulletin 60: 2251-2256. DOI: 10.1016/j.marpolbul.2010.08.011.

Smith*, T.B., **P. Fong**, R. Kennison*, and J. Smith*. 2010. Spatial refuges and associational defenses promote harmful blooms of the alga *Caulerpa sertularioides* onto coral reefs. Oikos 164: 1039-1048. DOI 10.1007/s00442-010-1698-x

P. Fong and R. L. Kennison*. 2010. Phase Shifts, Alternative Stable States, and the Status of Southern California Lagoons. IN: Coastal Lagoons: Critical Habitats of Environmental Change. Michael J. Kennish and Hans W. Pearl (eds) CrC Press, New York. pp 227-251.

2009

Armitage*, A.R., Gonzalez**, V., and **P. Fong**. 2009. Decoupling of nutrient and grazer impacts on a benthic estuarine diatom assemblage. Estuarine and Coastal Shelf Science 84: 375-382

Smith*, J.R., **P. Fong**, and R.F. Ambrose. 2009. Spatial patterns in recruitment and growth of the mussel *Mytilus californianus* (Conrad) in southern and northern California, USA, two regions with differing oceanographic conditions. Journal of Sea Research 61: 165-173.

2008

Fong, P. 2008. Macroalgal-dominated ecosystems. IN: Nitrogen in the Marine Environment. E. J. Carpenter and D.G Capone (eds). Pgs 917-948. Academic Press.

Smith*, J.R., R.F. Ambrose, and **P. Fong**. 2008. The impacts of human visitation on mussel bed communities along the California coast: Are regulatory marine reserves effective in protecting these communities? Environmental Management 41: 599-612

Lin, D.T**, and **P. Fong**. 2008. Macroalgal bioindicators (growth, tissue N, $\delta^{15}\text{N}$) detect nutrient enrichment from shrimp farm effluent entering Opunohu Bay, Moorea, French Polynesia. Marine Pollution Bulletin 56:245-249

2007

Lirman, D.* and **P Fong**. 2007. Is proximity to land-based sources of coral stressors an appropriate measure of risk to coral reefs? An example from the Florida Reef Tract. Marine Pollution Bulletin 54: 779-791.

2006

Smith, J.R.*, R.F. Ambrose, and **P. Fong**. 2006. Long-term change in mussel (*Mytilus californianus* Conrad) populations along the wave-exposed coast of California. *Marine Biology* 149: 537-545.

Cohen, R.A.* and **P. Fong**. 2006. Using opportunistic green macroalgae as an indicator of anthropogenic influences in southern California estuaries. *Ecological Applications* 16: 1405-1420.

Glynn, P. W., and **P. Fong**. 2006. Patterns of reef coral recovery by the regrowth of surviving tissues following the 1997-98 El Niño warming and 2000, 2001 upwelling events in Panamá, eastern Pacific. *Proceedings of the 10th International Coral Reef Symposium*: 624-630.

Fong, P., Smith, T.*, and Wartian M*. 2006. Protection by epiphytic cyanobacteria maintains shifts to macroalgal-dominated communities after the 1997-98 ENSO disturbance on coral reefs with intact herbivore populations. *Ecology* 87: 1162-1168.

Smith, J.R.*, R.F. Ambrose, and **P. Fong**. 2006. Dramatic declines in mussel bed community diversity: Response to climate change? *Ecology* 87: 1153-1161

Armitage, A.R.* and **P. Fong**. 2006. Predation and physical disturbance by crabs reduce the relative impacts of nutrients in a tidal mudflat. *Marine Ecology Progress Series* 313:205-213.

2005

Boyer, K. E.*, **Fong, P.** 2005. Co-occurrence of habitat-modifying invertebrates: effects on structural and functional properties of a created salt marsh. *Oecologia* 143:619-628.

Boyer, K. E.*, **Fong, P.** 2005. Macroalgal-mediated transfers of water column nitrogen to intertidal sediments and salt marsh plants. *Journal of Experimental Marine Biology and Ecology* 321: 59-69

Cohen, R.A.* and **P. Fong**. 2005. Experimental evidence supports the use of $\delta^{15}\text{N}$ of the opportunistic green macroalga *Enteromorpha intestinalis* to determine nitrogen sources to estuaries. *J Phycology* 41:287-293.

2004

Smith, J.R.*, B.J. Reed, L. Mohajerani*, and **P. Fong**. 2004. Influences of abiotic factors on the persistence of kelp habitats along the northern coast of Santa Monica Bay. *Southern California Academy of Sciences Bulletin*. 103: 79-92

Cohen, R.A.* and **P. Fong**. 2004. Nitrogen uptake and assimilation in *Enteromorpha intestinalis* (L.) Link (Chlorophyta): Using ^{15}N to determine preference during simultaneous pulses of nitrate and ammonium. *Journal of Experimental Marine Biology and Ecology* 309:67-77

Boyer, K. E.*, **P. Fong**, A. R. Armitage*, and R. A. Cohen*. 2004. Elevated nutrient content of macroalgae increases rates of herbivory in coral, seagrass, and mangrove habitats. *Coral Reefs* 23: 530-538

Armitage*, A.R. and **P. Fong**. 2004. Upward cascading effects of nutrients: shifts in a benthic microalgal community and a negative herbivore response. *Oecologia*.139: 560-567.

Kamer, K.* , **Fong, P.**, Kennison, R. L.* and K. Schiff. 2004. Nutrient limitation of the macroalga, *Enteromorpha intestinalis* collected along a resource gradient in a highly eutrophic estuary. *Estuaries* 27:201-208

Kamer, K.* , **Fong, P.**, Kennison, R. L.* and K. Schiff. 2004. The relative importance of sediment and water column supplies of nutrients to the growth and tissue nutrient content of the green macroalga *Enteromorpha intestinalis* along an estuarine resource gradient. *Aquatic Ecology* 38: 45-56.

Boyle, K.A.* , **P. Fong**, and K. Kamer*. 2004. Spatial and temporal patterns in sediment and water column nutrients in an eutrophic southern California estuary. *Estuaries* 27: 254-267

Cohen, R.A.* and **P. Fong**. 2004. Physiological responses of a bloom-forming green macroalga to short-term change in salinity, nutrients, and light help explain its ecological success. *Estuaries* 27: 209-216

Armitage, A.R.* and **P. Fong**. 2004. Gastropod colonization of a created coastal wetland: potential influences of habitat suitability and dispersal ability. *Restoration Ecology* 12: 391 – 400

Fong, P., Fong, J. and C. Fong. 2004. Growth, nutrient storage, and release of DON by *Enteromorpha intestinalis* in response to pulses of nitrogen and phosphorus. *Aquatic Botany* 78: 83-95

2003

Fong, P., K. E. Boyer*, K. Kamer*, K. A. Boyle*. 2003. Influence of initial tissue nutrient status of tropical marine algae on response to nitrogen and phosphorus additions. *Marine Ecology Progress Series* 262:111-123.

2001

Boyer, K. E.* , **P. Fong**, R. R. Vance, and R. F. Ambrose. 2001. *Salicornia virginica* in a southern California saltmarsh: seasonal patterns and a nutrient enrichment experiment. *Wetlands* 21:315-326.

Fong, Peggy, Krista Kamer*, Katharyn E. Boyer*, Karleen A. Boyle*. 2001. Nutrient content of macroalgae with differing morphologies may indicate sources of nutrients to tropical marine systems. *Marine Ecology Progress Series* 220:137-152.

Kamer, K.*, and **Fong, P.** 2001. Nitrogen enrichment ameliorates the negative effects of reduced salinity on the green macroalga *Enteromorpha intestinalis*. *Marine Ecology Progress Series* 218: 87-93.

Fong, Peggy and Peter W. Glynn. 2001. Population Abundance and Size-Structure of an Eastern Tropical Pacific Reef Coral After the 1997-98 ENSO: A Simulation Model Predicts Field Measures. *Bulletin of Marine Science*, 68: 1-16.

Kamer, Krista*, Karleen A. Boyle*, and **Peggy Fong**. 2001. Macroalgal bloom dynamics in a highly eutrophic southern California estuary. *Estuaries* 24: 623-635.

2000

Fong, Peggy and Joy B. Zedler. 2000. Sources, Sinks, and Fluxes of Nutrients (N + P) in a Small Highly-Modified Estuary in Southern California. *Urban Ecosystems* 4: 125-144.

Kamer, Krista* and **Peggy Fong**. 2000. A fluctuating salinity regime mitigates the negative effects of reduced salinity on the estuarine macroalga, *Enteromorpha intestinalis* (L.) Link. *JEMBE* 254: 53-69.

Fong, Peggy and Peter W. Glynn. 2000. A regional model to predict coral population dynamics in response to El Niño-Southern Oscillation. *Ecological Applications* 10: 842-854.

Fong Peggy, Katharyn E. Boyer*, and Joy B. Zedler. 1998. Developing an indicator of nutrient enrichment in coastal estuaries and lagoons using tissue nitrogen content of the opportunistic alga, *Enteromorpha intestinalis* (L. Link). *Journal of Experimental Marine Biology and Ecology* 231: 63-79.

Fong, Peggy and Peter.W. Glynn. 1998. A dynamic size-structured population model: does disturbance keep the massive coral *Gardineroseris planulata* rare in the Eastern Pacific? *Marine Biology* 130: 663-674.

Lirman , Diego* and **Fong, Peggy**. 1997. Susceptibility of coral communities to storm intensity, duration, and frequency. *Proceedings of the 8th International Coral Reef Symposium*. 1:561-566.

Fong, Peggy, Julie S. Desmond*, and J. B. Zedler. 1997. The effect of a horn snail on *Ulva expansa* (Chlorophyta): consumer or facilitator of growth? *Journal of Phycology* 33: 353-359.

Fong, Peggy, Myrna Jacobson, Mark Mesher*, Diego Lirman*, and Mat Harwell**. 1997. Investigating the management potential of a seagrass model through sensitivity analysis and experiments. *Ecological Applications* 7: 300-315.

Lirman, Diego* and **Peggy Fong**. 1997. Patterns of damage to the branching coral *Acropora palmata* following Hurricane Andrew: damage and survivorship of hurricane-generated asexual recruits. *J. of Coastal Research*. 13: 67-72.

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MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

American Society of Limnology and Oceanography
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Georgia Seagrant

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Joint Task Force on Undergraduate Education in a Research Context (2003)
Strategic Planning Committee (2002-2003)
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Undergraduate Advisor 2007-2010
Member, WASC Accreditation Committee 2007-2008
Member, Ecology and Evolutionary Biology Search Committee 2007- 2008
Chair, Dive Safety Board, 1996-present
Vice Chair for Undergraduate Education 2007-present
Chair Curriculum Committee 2008-present
Member, GAANN Committee 2008-present
Member, Development Committee 2008-present
Interim Co Chair Fall 2010
Member, Quantitative Biology Curriculum Committee 2010- present
Member, Search Committee for the Botnay Garden Director, 2012-1013
Curriculum Advisory Board, Institute of the Environmental 2012-present
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