Demian Alexander Willette

Associate Professor of Biology

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EDUCATION:

B.S., 1999-2003	Biology, Iowa State University, Ames, IA
M.S., 2003-2006	Biology, California State University, Los Angeles, Los Angeles, CA
Ph.D., 2006-2010	Environmental Health Sciences, University of California, Los Angeles, CA
Postdoc, 2010-2012	Fisheries/Genetics, Old Dominion University, Norfolk, VA
Postdoc, 2012-2013	Population Genetics, University of California, Los Angeles, CA

PROFESSIONAL HISTORY:

Associate Professor, Loyola Marymount University	2022 – Present
Assistant Professor, Loyola Marymount University	2018 – 2022
Assistant Project Scientist II, UC Los Angeles	2015 – 2018
Instructor, Loyola Marymount University, Los Angeles	2015 – 2018
Adjunct teaching faculty, UC Los Angeles	2013 – 2016
Adjunct teaching faculty, Cal State LA	2009 – 2016
Adjunct teaching faculty, Loyola Marymount University, Los Angeles	2013 – 2015

CURRENT AND RECENT GRANT SUPPORT:

$937,995 **Total grant support since appointment in 2018**

2025	Borchard Foundation International Education Center grant, PI
2025	LMU Seaver College Summer Continuing Faculty Research internal grant, PI
2025	LMU Development Beta-Test grant, PI
2024-2025	ChangeX Ecological Communities Change grant, PI
2024	NSF Scientific Committee for Antarctic Research, PI
2023-2024	LMU Biology Department Kadner-Pitts Grant, PI
2021-2023	National Science Foundation Convergence Accelerator Grant, PI
2021	LMU Seaver College Summer Community Service in Los Angeles internal grant, PI
2019-2022	Borchard Foundation International Education Center grant, PI
2019-2021	Responsible Sourcing Program, Santa Monica Seafood Foundation, PI
2019	LMU Biology Department Kadner-Pitts Grant, PI
2018	LMU Seaver College Summer Community Service in Los Angeles internal grant, PI
2017	LMU Seaver College Summer Continuing Faculty Research internal grant, PI
2017-2018	United States Fulbright Global Scholar Award, PI
2016-2017	Sol Leshin Program for BGU-UCLA Academic Cooperation Grant, co-PI
2016-2017	US National Park Service (US NPS), Risk Management of Invasive Species, PI
2016	LMU Seaver College Summer Community Service at Ascot Hills Park internal grant, PI
2015-2016	Sol Leshin Program for BGU-UCLA Academic Cooperation Grant, Co-PI
2014-2015	US NPS, Invasive Mediterranean seagrass in the Virgin Island National Park Grant, PI
2014	WE Keck Foundation Research Gift

PUBLICATION METRICS:

Peer-reviewed publications: **66** Citations: **2,078**
h-index: **25** i10-index: **40**

PEER-REVIEWED PUBLICATIONS

* indicates undergraduate co-author, ** graduate student co-author

66. Seid, S.*, Gonzalez-Smith, L., Campos, J.M.*, and **Willette, D.A.** (2026). Using spiderwebs to capture airborne environmental DNA (eDNA) to detect animal biodiversity in an urban park. **Cities and the Environment.** 19 (1), 3.

65. Curran, B., & **Willette, D.A.** (2026). Using 360° video to create virtual field trips for ecology education. **The American Biology Teacher.** 88 (4-5), 250-255.

64. Garrido Gamarro, E., Loi, G., Vlachou, C., Giusti, A., Armani, A., Melano, A., Popping, B., ... **Willette, D.A.** (2026). Food fraud in the fisheries and aquaculture sector. *Fisheries and Aquaculture Technical Paper*. **Food and Agriculture Organization of the United Nations.** No. 742. Rome. https://doi.org/10.4060/cd8244en

63. **Willette, D. A**., & Joaquin, M. J. (2025). DNA barcoding and metabarcoding reveal labeling accuracy and species substitution in squid and surimi from Los Angeles markets. **Food Control**, 111733.

62. **Willette, D.A**., Floreani, A.W**., Flores, S*., Markovic, M.P*., Sanders, C.T*., Yu, E*., & Dionisio, D.N. (2025). The Ascot App – A plant tracking smartphone tool for field-based community science. **Cities and the Environment**.

61. Seebens, H., Meyerson, L. A., Richardson, D. M., Lenzner, B., Tricarico, E., Courchamp, F., ... **Willette, D.A**., & Pyšek, P. (2025). Biological invasions: a global assessment of geographic distributions, long-term trends, and data gaps. **Biological Reviews**.

60. Chiquillo, K. L., Pirro, S., & **Willette, D. A.** (2025). The Complete Genome Sequences of *Halophila stipulacea* and *Syringodium filiforme*: Advancing Genomic Resources for two Tropical Caribbean Seagrasses. **Biodiversity genomes**, *2025*, 10-56179.

59. **Willette, D. A.,** Andrade, K*., Fitzpatrick, B., & Wilson, K*. (2025). Outreach & DNA-based monitoring facilitate 3-fold reduction in seafood mislabeling in Los Angeles over 10 years. **Food Control**, *168*, 110913.

58. Gleadall, I. G., Barkai, A., Lajbner, Z., McIntyre, P. B., Moustahfid, H., Olsen, P., ... & **Willette, D. A**. (2024). Sustainable seafood: advances in traceability, assessment, monitoring and resource management. **African Journal of Marine Science**, *46*(4), 239-245.

57. Costa, S. V**., Habtes, S., **Willette, D.A**., Budd, K. A., Kadison, E., Vaughn, K. M**., & Nemeth, R. S. (2024). Impact of invasive seagrass Halophila stipulacea on life history characteristics of juvenile yellowtail snapper (Ocyurus chrysurus). **Bulletin of Marine Science**, *100*(4), 571-598.

56. Vaughn, K. M**., Durdall, A., Willette, D. A., Brandt, M., Costa, S**., & Grimes, K. W. (2024). Sediment carbon storage in subtidal beds of the invasive seagrass Halophila stipulacea along an extreme water depth gradient, St. Thomas, US Virgin Islands. **Aquatic Botany,** *194*, 103778.

55. Mestetsky, E*., Moghtader, D*., Pilaud, N*., & Willette, D. A. (2024). Invasive alien plant brush piles reduce invasive seedling growth and increase animal abundance. **Restoration Ecology**, *32*(4), e14115.

54. Gleadall, I. G., Moustahfid, H., Sauer, W. H., Ababouch, L., Arkhipkin, A. I., Bensbai, J., ... & Yamaguchi, T. (2024). Towards global traceability for sustainable cephalopod seafood. *Marine Biology*, *171*(2), 44.

53. Brito, A*. & **Willette, D.A.** (2023). eDNA detection to help combat illegal fishing and modern slavery. **The Philippine Journal of Fisheries,** 30 (2) 1-9.

52. **Willette, D.A.,** Pirro, S., Thomas, R.C., & Santos, M.D. (2023) The complete genome sequences of five species of *Sardinella*. **Biodiversity Genomes**.

51. **Willette, D.A.,** Pirro, S., Romena, L.R., & Santos, M.D. (2023) The complete genome sequence of *Portunus pelagicus* (Portunidae, Decapoda), the blue swimming crab. **Biodiversity Genomes.**

50. **Willette, D. A.,** Ababouch, L., Barber, P. H., Bunje, P. M., Cauzac, J. P., Conchon, A., & Trenkel, V. (2023). Emerging monitoring technologies to reduce illegal fishing activities at sea and prevent entry of fraudulent fish into markets. **Frontiers in Sustainable Food Systems**, *7*.

49. Seebens H, Meyerson LA, Rahlao SJ, Lenzer B + 61 others (including **Willette DA**). (2023). Chapter 2: Trends and status of alien and invasive alien species. In: Thematic Assessment Report on Invasive Alien Species and their Control of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services. Bonn, Germany. https://doi.org/10.5281/zenodo.7430725

48. Ely, T**., Patten, N., Naisbett-Jones, L. C., Spencer, E. T., **Willette, D. A.,** & Marko, P. B. (2023). Molecular identification of critically endangered European eels (*Anguilla anguilla*) in US retail outlets. **PeerJ**, *11*, e14531.

47. Forero GN, Del-Solar-Escardo A, Alfaro-Cordova E, Rodriguez-Escalante L, Andrade-Vera S, **Willette DA.** (2023) Transboundary marine conservation and fisheries management in Ecuador and Northern Peru. In **Challenges in Tropical Coastal Zone Management: Experiences and Lessons Learned.** Editors: Matthias Wolff, Hugh Govan and Sebastian Ferse, p. 247.

46. Chiquillo KL**, Barber PH, Vasquez MI, Cruz-Rivera E, **Willette DA**, Winters G, Fong P (2022) An invasive seagrass drives its own success in two invaded seas by both negatively affecting native seagrasses and benefiting from those costs. **Oikos** e09403

45. Wilson, K*, **Willette DA**. (2022) Valuation of ecoystem services of a nascent urban park in east Los Angeles. **Urban Ecosystems,** https://doi.org/10.1007/s11252-022-01267-y

44. Kuzmenko T, Raetz-Vigon J*, **Willette DA**. (2022) At home yogurt-making to investigate microbiology concepts: A remote biology laboratory. **American Biology Teacher**, 84, 290-296.

43. Winters G, Teicheberg M, Reuter H, Viana IG, **Willette DA**. (2022) Seagrsses under times of change – Editorial. **Frontiers in Marine Science,** https://doi.org/10.3389/fpls.2022.870478

42. Gleadall I, Sauer WHH, Moustahfid H, Ames CL, **Willette DA.** (2022) Sustainable seafood using octopus as a model. **Ocean Monthly**.

41. **Willette DA**, Navarrete-Forero G, Gold Z, Lizano AMD, Gonzalez-Smith L*, Sotil G. (2021) Characterizing industrial and artisanal fishing vessel catch composition using environmental DNA and satellite-based tracking data. **Foods**, 10, 1425. https://doi.org/10.3390/foods10061425

40. **Willette DA**, Esteves SC*, Fitzpatrick B, Smith ML*, Wilson K*, Yuan X* (2021). The last mile challenge: Certified seafood and federal labeling laws out of sync at the end of the supply chain in Los Angeles, CA. **Marine Policy**, 125, 104380. https://doi.org/10.1016/j.marpol.2020.104380

39. Kuzmenko T, Sharma A, **Willette DA**. (2021) Plant-derived drug discovery in an introductory biology laboratory course. **American Biology Teacher**, 4, 214-221. https://doi.org/10.1525/abt.2021.83.4.214

38. Smulders FOH, Chiquillo KL**, **Willette DA**, Barber PH, Christianen MJA. (2020) Inconclusive evidence of sexual reproduction of invasive *Halophila stipulacea*: a new field guide to encourage investigation of flowers and fruit production throughout its invasive range. **Botanica Marina,** 63, pp.537-540. https://doi.org/10.1515/bot-2020-0046

37. **Willette DA,** Chiquillo KL**, Cross C*, Fong P, Kelley T, Toline CA, Zweng R**, Muthukrishnan R. (2020) Growth and recovery after small-scale disturbance of a rapidly-expanding invasive seagrass in St. John, U.S., Virgin Islands. **Journal of Experimental Marine Biology and Ecology**, 523: 151265. https://doi.org/10.1016/j.jembe.2019.151265

36. Muthukrishnan R, Chiquillo KL**, Cross C*, Fong P, Kelley T, Toline CA, Zweng R**, **Willette DA**. (2020) Little giants: a rapidly invading seagrass alters ecosystem functioning relative to native foundation species. **Marine Biology** 167: 81. https://doi.org/10.1007/s00227-020-03689-8

35. Gamliel I, Buba Y, Guy-Haim T, Garval T, **Willette DA**, Rilov G, Belmaker J. (2020) Incorporating physiology into species distribution models moderates the projected impact of warming on selected Mediterranean marine species. **Ecography**, 43: 1090-1106. https://doi.org/10.1111/ecog.04423

34. Deen SH*, Kuzmenko T, Asghari H, **Willette DA.** (2020) Investigating Los Angeles' urban roadway network from a biologically-formed perspective. **PeerJ**, e8238. https://doi.org/10.7717/peerj.8238

33. Winters G, Beer S, **Willette DA**, Viana IG, Chiquillo KL**, Beca-Carretero P, Villamayor B,

Azcarate-Garcia T, Shem-Tov R, Mwabvi B, Migliore L, Rotini A, Oscar MA, Belmaker J, Gamliel I, Alexandre A, Engelen A, Procaccini P, Rilov G. (2020) The tropical seagrass *Halophila stipulacea:* Reviewing what we know from its native and invasive habitats, alongside identifying knowledge gaps. **Frontiers in Marine Science**. 10.3389/fmars.2020.00300 https://doi.org/10.3389/fmars.2020.00300

32. Griffiths SP, Leadbitter D, **Willette D,** Kaymaram F, Moazzam M. (2020) Longtail tuna, *Thunnus tonggol* (Bleeker, 1851): A global review of population dynamics ecology, fisheries, and consideration for future conservation and management. **Reviews in Fish Biology and Fisheries**, doi.org/10.1007/s11160-019-09589-5

31. Chan AFO*, Luczon AU, Fontanilla IKC, Ong PS, Santos MD, **Willette DA**, Quiland JP. (2019) DNA barcoding cannot discriminate between *Sardinella tawilis* and *S. hualiensis.* **Mitochondrial DNA Part B,** 4: 2499-2503. https://doi.org/10.1080/23802359.2019.1638839

30. Chiquillo KL**, Barber, PH, **Willette DA**. (2019) Fruits and flowers of the invasive seagrass *Halophila stipulacea* in the Caribbean Sea. **Botanica Marina**, doi.org/10.1515/bot-2018-0052

29. **Willette DA. (**2019) Competition under the Sea: Exploring the competitive interaction between native and non-native seagrasses in the Caribbean. SimBio FMN, **QUBES Educational Resources.** doi:10.25334/Q4TM9D

28. **Willette DA.** (2019) The tale of two fish: A case study on vicariance and allopatric speciation. SimBio FMN, **QUBES Educational Resources**. doi:10.25334/Q4ZB3M

27. Viana IG, Siriwardane-de Zoysa R, **Willette DA**, Gillis LG. (2019) Exploring how non-native seagrass species could provide essential ecosystems services: A perspective on the highly invasive seagrass *Halophila stipulacea* in the Caribbean Sea. **Biological Invasions**, 21:1461-1472. https://doi.org/10.1007/s10530-019-01924-y

26. **Willette DA**, Cheng SH, Greenberg JA, Barber PH. (2018) Rethinking solutions to seafood fraud. **Frontiers in Ecology and the Environment**, 16: 499-500. https://doi.org/10.1002/fee.1964

25. **Willette DA** and Cheng SH. (2018) Delivering on seafood traceability under the new U.S. import monitoring program. **Ambio,** 46: 25-30. https://doi.org/10.1007/s13280-017-0936-4

24. **Willette DA**, Simmonds SE, Cheng SH, Esteves S*, Kane TL, Neutzel H, Pilaud N*, Rachmawati R, Barber PH. (2017) Using DNA barcoding to track seafood mislabeling in Los Angeles restaurants. **Conservation Biology,** doi:10.1111/cobi.12888.

23. Ith S**, Bumrungersri S, Thomas NM, Bates PJJ, **Willette DA,** Khan FAA, Wonglapsuwan M, Soisook P, Maryanto I, Huang JCC, Furey NM. (2016) Geographic variation of *Rhinolophus affinis* (Chiroptera: Rhinolophidae) in the Sundaic Subregion of Southeast Asia, including the Malay Peninsula, Borneo and Sumatra. **Acta Chiropterologica**, 18: 141-161. https://doi.org/10.3161/15081109ACC2016.18.1.006

22. **Willette DA,** Santos MD, Leadbitter D. (2015) Longtail tuna *Thunnus tonggol* (Bleeker, 1851)

shows an atypical partitioning into multiple stocks across the Indo-Pacific based on mitochondrial DNA. **Journal of Applied Ichthyology**, 32: 318-323. https://doi.org/10.1111/jai.12991

21. **Willette DA,** Iniguez AR**, Kupriyanova EK, Starger C, Varman T, Toda AH, Maralit BA, Barber PH. (2015) Christmas tree worms of Indo-Pacific coral reefs: untangling the *Spirobranchus corniculatus* complex, **Coral Reefs,** 34: 899-904. https://doi.org/10.1007/s00338-015-1294-y

20. Steiner SCC and **Willette DA.** (2015) Dimming sand halos on coral reefs in Dominica: new expansion corridors for the invasive seagrass *Halophila stipulacea*. **Reef Encounters**, 41:43-45.

19. Steiner SCC and **Willette DA**. (2015) *Halophila stipulacea* (Hydrochoritaceae, Angiospermae) is changing the seagrass landscape in the Commonwealth of Dominica, Lesser Antilles. **Caribbean Naturalist**, 22:1-19. https://doi.org/10.3389/fpls.2018.00950

18. Sienes PM**, **Willette DA**, Romena L, Alvior C**, and Estacion J. (2014) Biodiversity and the discovery of a cryptic species within a valued crab fishery in the Philippines. **Philippine Science Letters,** 7 (2): 317-323.

17. **Willette DA** and Padin JIM**. (2014) Identifying the biodiversity of marine jacks (Carangidae) in the freshwater Taal Lake, Philippines using phenotypic features and mitochondrial DNA. **Journal of Applied Ichthyology**, 30: 490-495. https://doi.org/10.1111/jai.12411

16. **Willette DA**, Chaifour J, Debrot AO, Engel S, Miller J, Oxenford HA, Short FT, Steiner SCC, and Vedie F. (2014) Continued expansion of the trans-Atlantic invasive marine angiosperm *Halophila stipulacea* in the Eastern Caribbean. **Aquatic Botany**, 112: 98-102. https://doi.org/10.1016/j.aquabot.2013.10.001

15. **Willette DA**, Carpenter KE, and Santos MD. (2014) Evolution of the freshwater sardinella, *Sardinella tawilis* (Clupeiformes: Clupeidae), in Lake Taal, Philippines and phylogeography of its sister-species, *Sardinella hualiensis*. **Bulletin of Marine Science**, 90: 455-470. https://doi.org/10.5343/bms.2013.1010

14. Thomas RC Jr**, **Willette DA**, Carpenter KE, and Santos MD. (2014) Hidden diversity in sardines: Genetic and morphological evidence for cryptic species in the Goldstripe sardinella, *Sardinella gibbosa* (Bleeker 1849). **PLoS One,** 9(1): e84719. https://doi.org/10.1371/journal.pone.0084719

13. Rogers C, **Willette DA**, Miller J. (2014) Rapidly spreading seagrass invades the Caribbean with unknown ecological consequences. **Frontiers in Ecology and the Environment**, 12:546-547. http://doi:10.1890/14.WB.016

12. **Willette DA,** Allendorf FW, Barber PH, Barshis DJ, Carpenter KE, Cresko WA, Fernandez-Silva I, Matz MV, Meyer M, Santos MD, Seeb LW and Seeb JE. (2014) So, you want to use next-generation sequencing in marine systems? **Bulletin of Marine Science**, 90: 79-122. https://doi.org/10.5343/bms.2013.1008

11. Barber PH, Ablan M, Ambariyanto, Berlinck R, Cahyani D, Crandall E, Gotanco R, Junio-Menez A,

Mahardika N, Shankar K, Starger C, Toha H, Wahyu A, and **Willette DA**. (2014) Advancing biodiversity research in developing countries: the need for a new paradigm. **Bulletin of Marine Science,** 90: 187-210 https://doi.org/10.5343/bms.2012.1108

10. **Willette DA.** (2013) Increasing the conservation yield from molecular fisheries research in the Philippines. **Current Conservation**, 7(2): 7-15.

9. Maralit BA**, Aguila RD**, Ventolero MFH**, Perez SKL, **Willette DA**, and Santos MD. (2013) Detection of mislabeled commercial fishery products in the Philippines using DNA barcodes and its implication to food traceability and safety, **Journal of Food Control**, 33: 119-125. https://doi.org/10.1016/j.foodcont.2013.02.018

8. **Willette DA** and Santos MD. (2013) Correcting the widespread misidentifications of a highly abundant and commercially important sardine species *Sardinella lemuru* in the Philippines. **Journal of Applied Ichthyology**, 29: 881-885. https://doi.org/10.1111/jai.12051

7. **Willette DA** and Ambrose RF. (2012) Effects of the invasive seagrass *Halophila stipulacea* on the native seagrass and fish community in the Eastern Caribbean. **Aquatic Botany**, 103: 74-82. https://doi.org/10.1016/j.aquabot.2012.06.007

6. **Willette DA**, Santos MD, and Aragon MA. (2011) First report of the Taiwan sardinella *Sardinella hualiensis* (Clupeiformes: Clupeidae) in the Philippines, **Journal of Fish Biology**, 79: 2087-2094. https://doi.org/10.1111/j.1095-8649.2011.03133.x

5. **Willette DA**, Bognot EDC, Mutia TM, and Santos MD. (2011) Biology and Ecology of sardines in the Philippines: A review. **NFRDI Technical Paper Series**, Vol 13 (1), August 2011.

4. Steiner SCC and **Willette DA** (2010) The distribution and size of benthic marine habitats in Dominica, Lesser Antilles. **Revista de Biologia Tropical**, 58 (2): 589-602.

3. Steiner SCC, MacFarlane KJ*, Price LM*, and **Willette DA** (2010) The distribution of seagrasses in Dominica, Lesser Antilles. **Revista de Biologia Tropical**, 58 (3) 89-98.

2. **Willette DA** and Ambrose RF (2009) The distribution and expansion of the invasive seagrass *Halophila stipulacea* in Dominica, West Indies, with a preliminary report from St. Lucia. **Aquatic Botany**, 91: 137-142. https://doi.org/10.1016/j.aquabot.2009.04.001

1. **Willette DA**, Janzen FJ, and Tucker JK (2005) Linking climate and physiology at the population level for a key life-history stage of turtles. **Canadian Journal of Zoology**, 83: 845-850. https://doi.org/10.1139/z05-078

UNDERGRADUATE RESEARCH ADVISEES:

1. Sofia Esteves, Biochemistry B.S., LMU, 2015-2018, Graduated
   Project – *Accuracy of certified seafood in Los Angeles*; three presentations, two publications
2. Nicholas Pilaud, Environmental Science B.S., LMU, 2015-2018, Graduated
   Project – *Assessing brush piles to mitigate temperature for habitat enhancement*; three local and regional presentations, two publications
3. Candice Cross, Biology B.S., LMU, 2016-2019, Senior Capstone, Graduated

Project – *Impact of invasive Halophila stipulacea on sedimentary carbon stocks in Bonaire*, five local and international presentations, two publications

4. Jacquelyn Galvez, Biology B.S., LMU, 2016-2019, Senior Capstone, Graduated
   Project – *Linking climate & seed germination rate for threatened California Black Walnut Tree*, three local and regional presentations
5. Sophie Deen, Health & Human Science B.S., LMU, 2016-2019, Graduated
   Project – *Investigating Los Angeles' urban roadway network from a biologically formed perspective*, four presentations, one publication
6. Sarah Shapiro, Biology B.S., LMU, 2016-2017, Graduated
   Project – *Ornithological conservation in Ascot Hills Park*, one presentation
7. Quinn Landers, Biology B.S., LMU, 2016-2017, Switched major and Graduated
8. Sarah Bruce-Eisen, Biology B.S., LMU, 2017-2018, Senior Capstone, Graduated
   Project – *Mosquito larvae population density in the Ballona Freshwater Marsh*, one presentation
9. Alexis Isaev, Biology B.S., LMU, 2017-2018, Senior Capstone, Graduated
   Project – *Genetic diet analysis of coyote scat*, one presentation
10. Armaan Zare, Biology B.S., LMU, 2017-2018, Senior Capstone, Graduated
    Project – *Genetic diet analysis of coyote scat*, one presentation
11. Grace Riggs, Biology B.S., LMU, 2017-2019, Graduated
    Project – *Molecular identification of prey in coyote diets in Long Beach*, one presentation
12. Kesterlyn Wilson, Biology B.S., LMU, 2017-2019, Senior Capstone, Graduated
    Project – *Valuation of ecosystem services of a nascent urban park in east Los Angeles*, six presentations, two publications
13. Sydney Lee, Biology B.S., LMU, 2017-2019, Senior Capstone, Graduated
    Project – *Linking climate & seed germination rate for threatened California Black Walnut Tree*
14. Matthew Sheridan, Biology B.S., LMU, 2018-2019, Senior Capstone, Graduated
    Project – *Molecular identification of prey in coyote diets in Long Beach*, one presentation
15. Mary Balducci, Biology B.S., LMU, 2018-2019, Senior Capstone, Graduated
    Project – *The Los Angeles Seafood Monitoring Project*
16. Xiaoya Yuan, Biology, B.S., LMU, 2018-2019, Transferred
    Project – *Certified seafood & federal labeling laws out of sync at the end of the supply chain in Los Angeles*, one publication
17. Fatimah Alghamen Biology, B.S., LMU, 2019, Summer research intern
    Project – *Accuracy of certified seafood in Los Angeles*
18. Marie Smith, Biology B.S., LMU, 2019, Senior Capstone, Graduated
    Project – *Verifying species identification of Zostera marina and Zostera pacifica seagrasses*, one publication
19. Anna Horvath, Biology B.S., LMU, 2018-2021, Senior Capstone, Graduated
    Project – *Cracking the mystery behind germination rates of Juglans californica at different cold stratification temperatures,* two presentations
20. Leonard Gonzalez-Smith, Biology B.S., LMU, 2018-2021, Senior Capstone, Graduated
    Project – *Cracking the mystery behind germination rates of Juglans californica at different cold stratification temperatures*, plus other projects, four presentations, three publications
21. Stacy Lam, Biology B.S., LMU, 2018-2021, Senior Capstone, Graduated.
    Project – *Managing invasive plants and enhancing native species survival via grassland mowing*
22. Evan Shen, Biology B.S., LMU, 2019-2021
    Project – *Seed germination rates under temperatures of the Northern California black walnut*
23. Evie Metstesky, Chemistry, B.S., LMU, 2019-2020, 2021-2022, Senior Capstone, Graduated
    Project – *Assessing tumor suppression potential of Chinese motherwort plant extract,* one presentation, one publication
24. Rukhbaan Hayer, Biochemistry B.S., LMU, 2019 – 2022, Graduated

Project – *A case for further research of the Chumash medicinal system: physiological, ecological and cultural value*, three presentations
Project - *Identifying an effective and accessible instrument for passive eDNA collection*. One presentation

25. Amberly Hershewe, Biology B.S., LMU, 2020 – 2022, Senior Capstone, Graduated
    Project – *Genetic & morphometric assessment testing reveals mistaken identity of introduced species in tree restoration,* one presentation
26. Eric Scharberg, Environmental Science, B.S., LMU, 2021-2022, Senior Capstone, Graduated
    Project – *Relationship between flammability and leaf functional traits of native and non-native plants species in a Coastal Sage Scrub ecosystem*, one presentation
27. Donya Moghtader, Biology B.S., LMU 2022 – 2023, Senior Capstone, Graduated
    Project – *Using brush piles of invasive plants to enhance native animal habitat*, one publication
28. Lauren Quesada, Biology, B.S., LMU 2022 – 2023, Senior Capstone, Graduated
    Project – *Identifying use of endangered crabs as bait in Mexican fisheries using eDNA* one presentation
29. Yana Makievskaya, Biology, B.S., LMU 2022 – 2023, Senior Capstone, Graduated, one presentation
    Project – *Homing in on the thermal requirements for Juglans californica germination*
30. Rosetta Yi Fan Hu, Computer Science, B.S., LMU 2021 – present, Senior Capstone, Graduated
    Project – *Creating eDNA barcode bioinformatics pipeline and reporting dashboard*
31. Kelli Andrade, Environmental Sciences, B.S., LMU 2022 – 2023, Senior Capstone, Graduated
    Project – *Expanding tracking of sushi mislabeling in LA restaurants*, one publication
32. Anushka Brito, International Studies, B.S., LMU 2022, Graduated
    Project – *eDNA-based traceability to help combat illegal fishing and modern slavery* one publication
33. Joshua Simkin, Mechanical Engineering, B.S., LMU 2022 – 2023, Graduated
    Project – Designing a robust eDNA collection device for fisheries
    U.S. Provisional Patent obtained in 2022
34. Aria Fulton, Biology, B.S., LMU 2022 – 2024, Graduated
    Project – *Detecting non-native species along Antarctic Coast using eDNA*, one presentation
35. Alexis Wong – ENVS, B.S., LMU 2023 – 2024
    Project – Assessing biodiversity and seedling survivorship in a nascent micro-forest
36. Sabriya Seid, Biology, B.A., LMU 2022 – 2025
    Project – *WebMD: using spiderweb eDNA to examine biodiversity* two presentations, one publication
37. Grace Landers – Biology, B.S., LMU 2023 – 2025, Graduated
    Project – Beyond recreation: Ecosystem services of 12 urban parks in LA, two presentations.
38. Emily Bortree – Biology, B.S., LMU 2024 – 2025, Graduated
    Project – Leveraging cellphone mobility data to analyze public park usage in east Los Angeles. One presentation.
39. Alexa Siglar – Environmental Science, B.S., 2023-2025, Graduated.
    Quantifying 14 years of restoration impact at a LA park using remote sensing. One presentation.
40. Ashley Lee, Biochemistry, B.S., LMU 2022 – 2026, Graduated.
    Project – *Detecting pollinator biodiversity using eDNA*, two presentations.

41. Lauren Fabre – Biology, B.S., LMU 2022 – 2026, Graduated.
    Project – Tracking the survivorship & carbon sequestration of a micro-grassland. Two presentations.
42. Stephanie Flores – Biology, B.S., LMU 2023 – 2026, Graduated.
    Project – Micro-forest survivorship over two years and changes in biodiversity. Three presentation
43. Katie McGinnus – Environmental Science, B.S., LMU 2025 – 2026, Graduated.
    Project – Evaluating the germination of black walnut seeds under varied temperatures
44. Dana Al Sayer – Biology, B.S., LMU 2025 – 2026, Graduated.
    Project - *Detecting pollinator biodiversity using eDNA*. One presentation.
45. Khalid Alani – Biology, B.S., LMU 2025 – 2026, Graduated.
    Project – Evaluating the germination of black walnut seeds under varied temperatures
46. Nicholas Genovese – Biology, B.S., LMU 2024 – present
    Project – Tracking the survivorship & carbon sequestration of a micro-grassland, one presentation
47. Joy Campos – Biology, B.S., LMU 2024 – present
    Project - *Detecting pollinator biodiversity using eDNA*
48. Logan Lewis, Biology, B.S., LMU 2025 – present
    Project – Micro-forest survivorship over two years and changes in biodiversity
49. Kayla Basar - Biology, B.S., LMU 2025 – present
    Project – Micro-forest survivorship over two years and changes in biodiversity

GRADUATE RESEARCH ADVISEES:

1. Kelcie Chiquillo, Doctoral degree, Ecology, UCLA, 2016-2021, Graduated
    Dissertation title – *Understanding the successful invasion of Halophila stipulacea,* six presentation, four publications + one in review
2. Antonio Farchette, M.Sc., Marine Biology, Univ. of the Virgin Islands, 2019-2020, Graduated
    Thesis title – *Growth and competition of the introduced seagrass Halophila stipulacea,* two presentations
3. Kyle Jerris, M.Sc., Marine Biology, Univ. of the Virgin Islands, 2017-2019, Graduated
    Thesis title – *The effects of Hurricane Irma and Maria on the invasion of the seagrass Halophila stipulacea on St. Thomas, United States Virgin Islands,* two presentations
4. Kevin Labrador, M.Sc. Marine Biology, Univ. of the Philippines, 2018-2019, Graduated
    Thesis title – *Population genetics of Bali sardinella along the northern coast of Mindanao*
5. Max Hushahn, M.E. Electrical Engineering, LMU, 2019, Graduated
    Thesis title – *Multi-probe photonic time-stretch optical coherence tomography*
6. Kelsey Vaughn, M.Sc. Marine Biology, Univ. of the Virgin Islands, 2020-2021, Graduated
    Thesis title – *Impact of Halophila stipulacea shoot density and water depth on sediment carbon density in St. Thomas, USVI,* one presentation
7. Sophie Costa, M.Sc. Marine Biology, Univ. of the Virgin Islands, 2020-2022, Graduated
    Thesis title – *Evaluating the impact of non-native seagrass Halophila stipulacea on growth and survival of juvenile yellowtail snapper Ocyurus chrysurus in St. Thomas, USVI*
8. Brendan Curran, M.Sc. Geography, New Mexico State University, 2024-2025, Graduated
    Thesis title – *Using 360 video to create virtual field trips for ecology education.*
9. Shelby Page – M.Sc. Environmental and Ocean Sciences, Univ. of San Diego, 2024 – present
    Thesis title – *Remote sensing of change in an urban micro-forest*

ORAL PRESENTATIONS:

Willette, DA. Beyond recreation – The ecological & monetary value of urban parks in east Los Angeles
1. California State University, San Bernardino, California, Oct 24, 2025

Willette, DA. Emerging technologies for seafood traceability
1. FENIP Conference, Casablanca, Morocco, May 15, 2024
2. CONEXMAR-UN FAO meeting, Vigo, Spain, Sept 30, 2024

Willette, DA. eDNA-based detection of endangered crab as bait in the Yucatan octopus fishery
1. World Fisheries Conference, Seattle, WA, Mar 4, 2024

Willette, DA. Transforming eDNA from emerging tool to practical solution.
1. Philippine Society of Biochemistry & Molecular Biology, Manila, Philippines, Nov 28, 2023
2. USAID, Makati, Philippines, Nov 30, 2023

Willette, DA. 3 applied ecology endeavors across an urban landscape.
1. California State University, Los Angeles, CA, Feb 1, 2024
2. University of the Philippines Dillman, Quezon City, Philippines, Nov 27, 2023

Willette, DA and Quesada L. Using eDNA metabarcoding to detect the presence of the endangered horseshoe crab in the Yucatan octopus fishery.
1. Annual Workshop on Octopus Fishery of Yucatan Peninsula, Merida, Mexico, March 9 2023

Willette, DA. et al. 'Seafood Tracer: Co-designing a new traceability tool for validating octopus identity and origin'
1. Sustainable Fisheries Partnership Roundtable, Seafood Expo 2022, Boston, MA March 13, 2022
2. National Fisheries Institute Board, Seafood Expo 2022, Boston, MA, March 14, 2022
3. AOAC Mid-year Conference, Gaithersburg, MD, March 15, 2022
4. Future of Food Authenticity Methods Workshop, Gaithersburg, MD, March 18, 2022
5. Office of Marine Conservation, U.S. State Department, Washington DC, August 4, 2022
6. AOAC Annual Meeting, Future Technology Session, Scotsdale, AZ, August 28, 2022
7. FIP Community of Practice Workshop, Americas, Europe, Africa, October 4, 2022,

Willette, DA. 'Disruption: Seafood'
1. LMU Honors Program, Welcome Week event, August 23rd, 2022

Kuzmenko, T and **Willette,** DA 'Plant-derived Drug Discovery in an Introductory Biology Lab Course'
1. LMU Faculty Pub Night, April 19, 2022

Willette DA. 'Seagrass ecosystems and their significance'
1. Blue BioTechnology Hybrid training School, Limassol, Cyprus, May 2, 2022

Willette DA. "Modernizing global fisheries surveillance with molecular genetics and electronic monitoring technologies".
1. Borchard Foundation Colloquium, Missillac, France, July 10-13, 2022

Willette, DA 'Leveraging molecular genetics tools to modernize seafood traceability at multiple levels of the global supply chain'
1. 5th Environmental DNA Technical Exchange Workshop, Virtual, October 19-21, 2021

2. Pacific Fisheries Technologists Conference, Long Beach, CA, March 1-4, 2020

Willette, DA, et al. The last mile challenge: Certified seafood and federal labeling laws out of sync at the end of the supply chain in Los Angeles California
1. Kadner-Pitts Seminar, LMU Biology Department, January 22, 2021
2. Western Society of Naturalists Virtual Conference, November 5-8, 2020

Willette, DA 'Seafood, City Streets, & Slime Mold: Applying emerging technologies in applied ecology research'
1. LMU Imagine If Conference, November 8, 2019

Willette, DA 'Resilience to disturbance and rapid fragment growth facilitate the spread of an invasive seagrass'
1. Aquatic Sciences ASLO Conference, San Juan, Puerto Rico, 2019
2. LMU Junior Faculty Seminar Series, February 8, 2019

Willette, DA 'Leveraging actionable science to help combat illegal fishing'
1. LMU Junior Faculty Seminar Series, February 8, 2019
2. Western Society of Naturalists, Pasadena, CA, November 19, 2017
3. California Association of Criminalists, Newport Beach, CA, September 26-27, 2017
4. Escuela Superor Politenica del Litoral, August 2, 2017
5. U.S. Embassy, Manila, Philippines, June 15, 2017
6. University of the Philippines Diliman, Quezon City, June 14, 2017

Willette, DA 'Urban Land, Urban Sea: Applied Research in Los Angeles.
1. CURes Sustainability Lecture Series, LMU, February 28, 2018
2. Fulbright Scholar Day, Loyola Marymount University, March 9, 2017

Willette, D.A. "Invasiveness of *Halophila stipulacea* in the Caribbean".
1. Gulf & South Atlantic Regional Panel on Aquatic Invasive Species, Orlando, FL, April 22, 2025
2. Seagrass workshop, InterUniversity Institute, Eilat, Israel, May 26, 2023
3. Seagrass workshop, InterUniversity Institute, Eilat, Israel, May 25, 2022
4. Seagrass workshop, InterUniversity Institute, Eilat, Israel, May 31, 2021
5. Seagrass workshop, InterUniversity Institute, Eilat, Israel, June 4, 2019
6. Halophila stipulacea Webinar, Univ of the Virgin Islands, December 6, 2018
7. Seagrass workshop, InterUniversity Institute, Eilat, Israel, May 30, 2018
8. Seagrass workshop, InterUniversity Institute, Eilat, Israel, May 19, 2017
9. EuroMarine workshop, InterUniversity Institute, Eilat, Israel, July 4, 2016

Willette, D.A. "Investigating top-down and bottom-up ecological change in threatened and exploited marine populations".
1. Loyola Marymount University, Los Angeles, Feb 12, 2016

Willette, D.A. et al "Ahead of the Spread: Predicting the introduction and impact of invasive species before they arrive".
1. University of the Virgin Islands, St. Thomas, July 21st, 2014
2. Western Society of Naturalists Conference, Oxnard, CA Nov 7-10th, 2013

Willette, D.A. et al "Centrifugal speciation and the origin of a freshwater sardine".

1. Western Society of Naturalists Conference, Seaside, CA, Nov 8-11th, 2012

Willette, D.A. et al "Towards a sustainable fishery: Molecular genetics approaches to sardine management in the Philippines".

1. Pan-Pacific Advanced Studies Institute, Dumaguete, Philippines, July 25th, 2012
2. Nha Trang University, Nha Trang, Vietnam, April 6, 2012
3. University of the Philippines, Quezon City, Philippines, December 5, 2011
4. Philippine Association of Marine Science Conference, Tagaytay, Philippines, Oct 20, 2011
5. Conservation International – Philippines, Sardine workshop, Quezon City, Sept 14, 2011
6. NSAP-BFAR Annual Conference, Quezon City, Philippines, Sept 14, 2011
7. PIRE Project Symposium, Silliman University, Dumaguete, Philippines, August 12, 2011
8. Biodiversity Lecture Series, Ateneo de Manila University, Philippines, May 5, 2011
9. US AID – Philippines, Pasay City, Philippines, January 19, 2011
10. Bureau of Fisheries Regional Directors meeting, Quezon City, Philippines, Dec 16, 2010
11. NSAP-BFAR Workshop, Quezon City, Philippines, December 13-17, 2010
12. FishCon 2010, Quezon City, Philippines, October 11-12, 2010

Willette, DA "Phylogeography of the freshwater sardine *Sardinella tawilis* in Taal Lake, Batangas and Implications for a sustainable management strategy."

1. Protection Area Management Board – Taal Volcano Protected Landscape Executive Committee meeting, Batangas, Philippines, March 31, 2011
2. National Lake Congress of the Philippines, Laguna, Philippines, April 27, 2011

Willette, D.A., E.D.C. Bognot, and M.D. Santos "The biology, ecology and identification of Philippine sardines"

1. NSAP-BFAR Workshop, Quezon City, Philippines, December 13-17, 2010
2. BFAR Small Pelagic Workshop, Puerto Princesa, Philippines, March 14-15, 2011

Willette, D.A. and R.F. Ambrose. "The impact of the invasive seagrass *Halophila stipulacea* on the native seagrass *Syringodium filiforme*."

1. World Seagrass Conference, Phuket, Thailand, November 20-25, 2010
2. AMLC Scientific Meeting, Roseau, Dominica, May 25-29, 2009

Willette, D.A. and P.J. Krug. "Identity Crisis: Using DNA to identify native and invasive species in coastal habitats."

1. CSULA Student Research Symposium, Los Angeles, Feb 24, 2006
2. 20th CSU Student Research Competition, Camarillo, CA, May 5-6 2006
3. Joint meeting of Western Society of Malacologists and American Malacological Society, Pacific Grove, CA, June 26-30, 2005

Willette, D.A. and P.J. Krug. "Shallow surf riders: small-scale larval distribution in Estuarine Waters."

1. Larval Biology Symposium 2006, Coos Bay, Oregon, Aug 27 – Sept 1, 2006
2. Southern California Acad of Sci Annual Meeting, Los Angeles, May 20- 21, 2005.
3. CSULA Department of Biological Sciences seminar series, May 26, 2005
4. CEA-CREST Environmental Science Conference, Los Angeles, May 6, 2005
5. CSULA Student Research Symposium, Los Angeles, Feb 24, 2005
6. Western Society of Naturalists, 85th Annual Meeting, Rohnert Park, CA, Nov 11-14, 2004.

COURSES TAUGHT AS INSTRUCTOR-OF-RECORD:

Loyola Marymount University, Los Angeles

BIOL 111/1110 – General Biology Laboratory I
BIOL 112 – General Biology Laboratory II
BIOL 190 – Orientation to the Biology Major
BIOL 304 – Biostatistical Analysis
BIOL 309 – Applied Plant Ecology
BIOL 318 – Principles of Ecology + field laboratory
BIOL 398 – Quantifying Biodiversity Field Laboratory
BIOL 491/4910 – Biological Teaching for TAs
BIOL 518 – Senior Capstone Research in Applied Ecology
BIOL 598 – Senior Seminar - Ecology, Policy, and Pirate Fishing
HHSC 150 – Human Anatomy and Physiology
HHSC 255 – Human Anatomy and Physiology

University of California Los Angeles

M1W Seminar – The Ocean's Response to the Human Element
EEB 109 – Introduction to Marine Science
EEB 109L - Introduction to Marine Science Laboratory

California State University, Los Angeles (^ as Teaching Assistant)

BIOL 100A – Introduction to Biology
BIOL 100C – Animal/Plant Anatomy and Physiology^
BIOL 155 – Animal Biology^
BIOL 200A/B – Human Anatomy and Physiology I & II^
BIOL 300 – Biostatistics
BIOL 320 – Writing for Biologists^
BIOL 360 – General Ecology
HONORS 331 – Global Climate Change

Instutute for Tropical Marine Ecology (Dominica)

AC 301 – Natural History & Identification of Marine Organisms
AC 303 – Marine Research Methodology and Practicum
AC 305 – Tropical Marine Ecology & Conservation

Silliman Univ. (Philippines)/Nha Trang Univ. (Vietnam)/Prince of Songkla Univ. (Thailand)

Marine Molecular Ecology and molecular laboratory techniques

WORKSHOPS DEVELOPED/HOSTED:

2026 eDNA workshop & bioinformatics using Nanopore, LMU, Organizer
2022 eDNA workshop using MinION technology, LMU, Organizer
2017-19 LMU-UCLA Seafood Traceability Workshop, LMU, Organizer
2018 *Halophila stipulacea*, Univ of the Virgin Islands, Webinar workshop, Co-organizer
2014–18 Genetic workshops at Catalina, Catalina Island, CA, Co-developer and coordinator
2017 eDNA method for monitoring of fish catches, Univ of Philippines, Developer and coordinator
2017 eDNA method for monitoring of fish catches, ESPOL Ecuador, Developer and coordinator
2012 Pan-Pacific Advanced Studies Institute, National Science Foundation supported, Dumaguete, Philippines, Co-developer and principle workshop coordinator
2012 Coral Triangle Partnerships for International Research and Education synthesis meeting, National Science Foundation supported, Manila, Philippines, co-developer and coordinator

2009 Assoc of Marine Laboratories of the Caribbean meeting, Roseau, Dominica, Co-coordinator

AWARDS AND SOCIETIES:

Awards/Honors

2024 LMU Excellence in External Funding Award, Provost Office
2024 Rudinica Prize for Student-Faculty Research, Seaver College of Science & Engineering
2019 Ascending Scholar Award, LMU, Provost Office
2017 Fulbright Global Award, US State Department
2017 New Investigator Award, LMU Office of Research and Sponsored Projects
2013 APEC Prize for Innovation, Research & Education, US Nominee – US State Department
2013 APEC Prize for Innovation, Research & Education, Campus Nominee – UCLA
2011 Best Biological Sciences Poster – National Research Council of the Philippines
2010 Dean's Outstanding Student Award – UCLA School of Public Health
2010 Delta Omega Public Health Honorary Society – UCLA School of Public Health
2009 Best Presentation – Assoc. of Marine Laboratories of the Carib. Sci. Meeting
2008 CSU Chancellor's Doctoral Incentive Program recipient
2007 Celia and Joseph Blann Fellowship – UCLA 1-year doctoral support
2006 Eugene Cota Robles Diversity Fellowship – UCLA 3-year doctoral support
2006 Best Graduate Paper in Biology – California State University Research Competition
2006 Best Graduate Paper in Biology – CSULA Student Research Symposium
2003 CEA-CREST Diversity Fellowship – CSULA 2-year Masters degree support

Professional Societies

AAAS, Association of Marine Laboratories of the Caribbean, Association for the Sciences of Limnology and Oceanography, Philippine Association of Marine Science, World Seagrass Association, Western Society of Naturalists, The Crustacean Society

RESEARCH FIELD EXPEDITIONS:

Ecuador: Guayaquil (2017), Manta (2017), Santa Rosa (2017)
Israel: Red Sea (2016)
U.S. Virgin Islands: St. John/U.S. Virgin Island National Park, Coral Reef Monument (2014/2017)
Thailand: Koh Samui (2011), Trang (2011), Songkla (2013)
Vietnam: Nha Trang (2011), Phu Quoc Island (2012)
Taiwan: Yilan County (2012)
Philippines: Manila (2010), Batangas (2011), Palawan (2011), Negros (2011), Bohol/Siquijor (2012)
Indonesia: Bali (2010)
Florida: Florida Keys (2010)
Eastern Caribbean: Dominica (2006), St. Lucia (2006), Antigua (2007), Guadeloupe (2007), Puerto Rico (2007)
California: Catalina Island (2005), Central Coast (2006)
Alaska: Kodiak Island (2005)
Panama: Bocas del Toro, Panama City (2004)
Honduras: Roatan (2000)

SERVICE:

INSIDE LMU

Core Faculty, Environmental Science Department, 2024-present
University GenAI Task Force, 2025-2026

Seaver College Equipment & Computing Committee, 2025-present
LMU Valedictorian Selection Committee, 2025-present
Seaver Faculty Fellow, Deepening Local-Global Engagement, 2023-2024
LMU Biology Department Greenhouse Committee, 2022-present
Faculty Affiliate, Environmental Sciences Program - 2018-2023
Faculty Fellow, LMU Coastal Research Institute – 2019-2022
Faculty Affiliate, Center for Urban Resilience, 2018-2019
Biology Faculty Affiliate, iSTEM (Interdisciplinary Seaver Transition, Engagement & Mentoring) Program 2020-2021
LMU Annual Undergraduate Research Symposium Selection Committee – 2018-2021
Biology Search Committee (Marine Biology Faculty 2018, Laboratory Associate 2018, Evolutionary Biologist Faculty 2022)

OUTSIDE LMU

Journal Reviewer

32 journals – Aquatic Botany, Biodiversity and Conservation, Biological Conservation, BioInvasion Reports, Biological Invasions, Botanica Marina, Cities and the Environment, Comprehensive Reviews in Food, Current Research in Food Science, Environmental Biology of Fish, DNA Barcodes, Fisheries Science, Food Analytical Methods, Food Webs, GeoForum, Global Ecology and Conservation, Journal of Applied Ichthyology, Journal of Marine Biological Association of the UK, Journal of Coastal Research, Journal of BioSciences, Journal of Marine Fisheries, Journal of Molluscan Studies, Journal of Natural History, Journal of Sea Research, Marine Biodiversity Records, Marine Biology Research, PeerJ, PLoS ONE, Scientific Reports, Thalassas, The Philippines Journal of Fisheries, , Urban Climate

Journal Editorial Board

2020 – Present – The Philippine Journal of Fisheries
2020 – 2021 – Frontiers in Marine Science (Special issue guest editor)

Technical/Community Advisory Board

2017 – present – Los Angeles Ascot Hills Park Advisory Board (Chair 2021-present)
2025 – 2026 – All Souls Family Guild Executive Committee, (Chair)
2018 – 2024 – STEM curriculum committee, All Souls World Language Catholic School (Co-chair)
2021 – 2023 – Los Angeles Living Shoreline Technical Advisory Committee
2021 – 2023 – Urban Waters Federal Partnership – Los Angeles River