

# KIHO KIM, PhD

(he/him)

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## A. EDUCATION

1996            PhD Biology, University at Buffalo, USA (Advisor: [Howard Lasker](#))  
1994            MS Biology, Florida International University, USA (Advisor: Walter Goldberg)  
1989            BSc Biology & Environmental Studies, Brock University, Canada

## B. ACADEMIC POSITIONS

2023 –            Associate Director, [Center for Environment, Community & Equity](#), AU  
2023 –            Co-Director, [Multiscale RECIPES](#) Program for Sustainable Food Systems  
2022 – 2023      Interim Director, [Multiscale RECIPES](#) Program for Sustainable Food Systems, NSF  
Sustainability Research Network  
2018 –            Executive Director (*equivalent to* Assistant Vice Provost), [Center for Teaching,  
Research & Learning](#), AU (reports to *Deputy Provost* and *Vice Provost for Research &  
Innovation*)  
2015 –            Professor, Department of Environmental Science, AU  
2015 – 2016      Chair, Department of Environmental Science, AU  
2014 – 2016      Inaugural Director, AU Scholars Program, AU  
2012 – 2013      Chair, [General Education Program](#), AU  
2011 –            Affiliate Faculty, [School of Education](#), AU  
2009 –            Affiliate Faculty, Department of Biology, AU  
2008 – 2011      Inaugural Chair, [Department of Environmental Science](#), AU  
2007              Interim Chair, Department of Biology, AU  
2006 – 2015      Associate Professor, Department of Biology, AU  
2004 – 2008      Director, Environmental Studies Program, AU  
2000 – 2006      Assistant Professor, [Department of Biology](#), American University  
1999 – 2000      Research Associate, Department of Entomology, University of Maryland  
1999 – 2000      Research Associate, Center for the Environment, Cornell University  
1996 – 1999      Postdoctoral Research Associate, [Ecology & Evolutionary Biology](#), Cornell  
University (Advisor: [Drew Harvell](#))

## C. AWARDS & HONORS

2022              *Outstanding Service to the University Community - Tenure-Track Faculty*, American University  
2017              *Faculty & Staff Collaboration Award* (inaugural awardee), American University  
2017              *Dean's Impact Award* (inaugural awardee), College of Arts & Sciences, American  
University  
2013              *Green Teacher of the Year Award*, Center for Teaching, Research & Learning, American  
University

- 2013 *Ann Ferren Curriculum Design Award* (inaugural awardee), Center for Teaching, Research & Learning, American University
- 2011 *Teaching with Research Award*, Center for Teaching, Research & Learning, American University

#### D. PROFESSIONAL DEVELOPMENT ACTIVITIES

- 2022 Supervisor Academy, Office of Human Resources, American University
- 2020 *Equity Now*: skill and capacity building towards racial equity in higher education, University of Southern California
- 2020 – Associate Editor, *International Journal of Teaching and Learning in Higher Education*, Journal of the *International Society for Exploring Teaching and Learning*
- 2016 – Committee Member, *Environmental Literacy Advisory Committee*, Office of the State Superintendent of Education, Washinton DC
- 2016 External Program Evaluator, *Department of Geography and the Environment*, Villanova University
- 2015 – Editorial Board, *Coral Reefs*, Journal of the *International Coral Reef Society* (Springer)
- 2013 – 2015 Pool of Experts, Regular Process – United Nations *World Ocean Assessment* (co-author, *Chapter 25 Marine Debris*; reviewer, Chapter 20 Land-Based Inputs)
- 2013 – 2017 Recording Secretary & Executive Committee Member, *International Coral Reef Society*
- 2012 – 2013 STEM Advisory Board, District of Columbia Public Schools
- 2011 External Program Evaluator, *Environmental Science & Policy Graduate Program*, University of South Florida - St. Petersburg
- 2009 – 2013 Council Member, *International Coral Reef Society*
- 2009 Guest Editor, *Diseases of Aquatic Organisms* (special volume)
- 2007 – 2008 Member, Committee on *Effectiveness of International and National Measures to Prevent and Reduce Marine Debris and its Impacts*, National Research Council of the National Academies
- 2007 – 2012 Member, *Ocean Studies Board* of the National Academies, USA

#### E. SPONSORED ACTIVITIES

**Summary:** Total of \$20 million in external grants to support research and training activities.

##### i. Active

- 2021 NSF Sustainability Research Network Award, *Multiscale RECIPES (Resilient, Equitable, and Circular Innovations with Partnership and Education Synergies) for Sustainable Food Systems* (Institutional Co-PI, \$15,000,000; AU share, ~\$3,000,000)
- 2021 NSF, *Enhanced Teaching and Learning Through Problem-Based Pedagogy* (Co-PI, \$300,000)
- 2021 NSF, *Noyce Scholar Retention in Racially and Culturally Non-dominant Communities: Partnerships and Persistence* (Co-PI, \$800,000)
- 2019 NOAA – Office for Coastal Management, *Investigating the role of groundwater in pollutant transport to Nu`uuli Pala Lagoon, American Samoa* (Co-PI, \$78,430)

##### ii. Completed

- 2019 NSF *Re/Up-skilling NSF Convergence Accelerator* (PI, \$40,000)
- 2017 NOAA – Office for Coastal Management, *Identifying Hotspots of Nitrogen Pollution in Saipan* (PI, \$62,736)

- 2015 NOAA – Fisheries Habitat Conservation Program Office, *Resource Inventory, Resilience, and Historical Change of Reef: Flat Communities Within the Manell-Geus Watershed, Guam’s Habitat Focus Area* (Co-PI, \$58,988)
- 2013 NSF, *Documenting Bleaching Susceptibility and Resilience in Guam, Micronesia* (PI, \$93,490)
- 2012 NSF, *From the Laboratory to the Classroom: Building Capacity for Math and Science Teaching in DC* (Co-PI, \$2,999,403; AU Share \$1,884,606)
- 2008 NOAA – Fisheries Habitat Conservation Program Office, *Testing for Links Between Nutrient Pollution and Coral Health and Disease* (Co-I, \$50,000)
- 2006 NOAA – National Undersea Research Center, *The Link Between Coral Hosts, Surface Microbiota and Disease* (PI, \$39,981)
- 2003 US-EPA, *Origins and Impacts of the Sea Fan Aspergillois Epizootic Explored with Molecular and Field Techniques* (Co-PI, \$11,693)
- 2002 NOAA – National Undersea Research Center, *Impact of Aspergillois of Sea Fan Corals in the Florida Keys*, Rapid Response Support (Co-PI, ~\$6,000 in diving and other on-site logistic support)
- 2000 NOAA – National Undersea Research Center, *Aspergillois of sea fans in the Florida Keys: Disease Resistance and Spread* (Co-PI, ~\$20,000 in diving and other on-site logistic support)
- 1998 NSF, *Disease Resistance in Sea Fan Corals and the Host Range of the Fungal Pathogen* (Co-I, \$450,080)
- 1998 New England BioLabs Foundation: *Host-breadth of Aspergillois* (Co-I, \$30,000)
- 1998 NOAA – National Undersea Research Center, *Keys-wide Monitoring of a Fungal Epizootic of Sea Fans* (Co-I, \$22,000)

## F. PUBLICATIONS

**Summary:** 43 journal articles; 6 book chapters; 2 report; 4 conference proceedings; 1 book review. Total citations = 5,767; h-index = 31 (as of 5/1/23, [Google Scholar Profile](#))

(Kim lab \*graduate student, \*\*undergraduate student; §corresponding author)

### i. Journal Articles

43. Sinigalliano C, **K Kim**, M Gidley, K Yuknavage, KL Knee, D Palacois, C Bautista, A Bonacolta, HW Lee & L Maurin (2021) Microbial source tracking of fecal indicating bacteria in coral reef waters, recreational waters, and groundwater of Saipan by real-time quantitative PCR. *Frontiers in Microbiology* 11, 596650 [[article link](#)]
42. Knapp MA\*, Geeraert N, **Kim K** & KL Knee (2020) Submarine groundwater discharge (SGD) to coastal waters of Saipan (Commonwealth of the Northern Mariana Islands, USA): Implications for nitrogen sources, transport and ecological effects. *Water* 12, 3029 [[article link](#)]
41. Geeraert N, NM Duprey, S McIlroy, PD Thompson, BR Goldstein\*\*, C LaRoche\*\*, **K Kim**, LJ Raymundo & DM Baker (2020) The anthropogenic nitrogen footprint of a tropical lagoon: spatial variability in *Padina*  $\delta^{15}\text{N}$ . *Pacific Science* 74: 19-29 [[article link](#)]
40. Horan EM & **K Kim** (2020) University faculty perceptions of the Spring 2020 transition from face-to-face instruction to online instruction. *Journal on Centers for Teaching and Learning* 12: 169-188 [[article link](#)]

39. LaRoche C\*\*, BR Goldstein\*\*, JD Cybulski\*, LJ Raymundo, LR Aoki & **K Kim** (2019) A decade of change in *Enhalus acoroides* seagrass meadows in Guam. *Marine & Freshwater Research* 70: 246-254 [[article link](#)]
38. Kwon MJ\*, C Tudge, **K Kim**, D Baker, SE MacAvoy (2018) Museum collections yield information on nitrogen sources for coastal Gulf of Mexico, North Carolina, USA and Caribbean Sea invertebrates 1850 to 2004. *Journal of Shellfish Research* 37: 1159-1165 [[article link](#)]
37. Bacalan V\*, T Poinsett\*\*, DM Baker, ML Fogel & **K Kim** (2018) Stable isotope analyses of manatee bones measure historical nitrogen pollution in Florida waters, 1975 – 2010. *Marine Biology* 165: 85 [[article link](#)]
36. Duprey N, XT Wang, PD Thompson, J Pleadwell, LJ Raymundo, **K Kim**, DM Sigman & DM Baker (2017) Life and death of a sewage treatment plant recorded in a coral skeleton  $\delta^{15}\text{N}$  record. *Marine Pollution Bulletin* 120: 109-116 [[article link](#)][[popular press](#)]
35. Baker D, C Freeman, N Knowlton, R Thacker, **K Kim** & M Fogel (2015) Productivity links morphology, symbiont specificity, and bleaching in the evolution of Caribbean octocoral symbioses. *ISME Journal* 9: 2620–2629 [[article link](#)]
34. Pinkerton K\*, DM Baker, MR Cuddy\*\*, LJ Raymundo, KA Meyer\*\* & **K Kim** (2015) Nitrogen dynamics on Guam as revealed by the seagrass *Enhalus acoroides*. *Marine Ecology Progress Series* 528: 117–126 [[article link](#)]
33. MacAvoy SE, V Bacalan\*, M Kazantseva, J Rhodes & **K Kim** (2015) Sulfur isotopes show importance of freshwater primary production for Florida manatees. *Marine Mammal Science* 31: 720–725 [[article link](#)]
32. Redding JR\*, RL Myers-Miller, DM Baker, M Fogel, LJ Raymundo & **K Kim** (2013) Link between sewage-derived nitrogen pollution and coral disease severity in Guam. *Marine Pollution Bulletin* 73: 57-63 [[article link](#)]
31. Harrison G\*, **K Kim** & AG Collins (2013) Low genetics diversity of the putatively introduced, brackish water hydrozoan, *Blackfordia virginica* (Leptothecata, Blackfordiidae), throughout the United States, with a new record for Lake Pontchartrain, Louisiana. *Proceedings of the Biological Society of Washington* 126: 91-102 [[article link](#)]
30. **Kim K** & S Morawski\*\* (2013) Going trayless in a University dining hall. *Journal of Hunger and Environmental Nutrition* 7: 482-486 [[article link](#)]
29. Baker DM, **K Kim**, JP Andras & JD Sparks (2011) Light-mediated  $^{15}\text{N}$  fractionation in Caribbean gorgonian octocorals: Implications for pollution monitoring. *Coral Reefs* 30: 709-717 [[article link](#)]
28. Bruno JB, S Ellner, I Vu\*\*, **Kim K** & CD Harvell (2011) Impacts of aspergillosis on sea fan coral demography: Modeling a moving target. *Ecological Monographs* 81: 123-139 [[article link](#)]
27. Baker DM, KL Webster\* & **K Kim** (2010) Caribbean octocorals record changing carbon and nitrogen sources from 1862–2005. *Global Change Biology* 16: 2701-2710 [[article link](#)]
26. **Kim K**, C Paige & CD Harvell (2009) The role of environment and microorganisms in diseases of corals: overview of DAO Special 5. *Diseases of Aquatic Organisms* 87: 1-3 [[article link](#)]
25. Baker DM\*, SE MacAvoy & **K Kim** (2007). Relationship between water quality,  $\delta^{15}\text{N}$ , and aspergillosis of Caribbean sea fan corals. *Marine Ecology Progress Series* 343: 123-130 [[article link](#)]
24. Ward JR, **K Kim** & Harvell CD (2007) Temperature affects coral disease resistance and pathogen growth. *Marine Ecology Progress Series* 329: 115-121 [[article link](#)]
23. **Kim K**, AP Alker\*\*, K Shuster\*\*, C Quirolo & CD Harvell (2006) Longitudinal study of aspergillosis of sea fan corals. *Diseases of Aquatic Organisms* 69: 95-99 [[article link](#)]

22. Gil-Agudelo DL, C Myers\*\*, **K Kim** & GW Smith (2006) Changes in the microbial communities associated with *Gorgonia ventalina* during Aspergillus infections. *Diseases of Aquatic Organisms* 69: 89-94 [[article link](#)]
21. Kim E, H Lasker, MA Coffroth & **K Kim** (2004) Morphological and genetic variation across reef habitats in a broadcast-spawning octocoral. *Hydrobiologia* 530/531: 423-432 [[article link](#)]
20. **Kim K** & CD Harvell (2004) The rise and fall of a six-year coral-fungal epizootic. *The American Naturalist* 164: S52-S63 [[article link](#)]
19. Alker A\*, **K Kim**, D Dube\*\* & CD Harvell (2004) Localized induction of a generalized response against multiple biotic agents in Caribbean sea fans. *Coral Reefs* 23: 397-405 [[article link](#)]
18. Harvell CD, R Aronson, N Baron, J Connell, A Dobson, S Ellner, L Gerber, **K Kim**, A Kuris, H McCallum, K Lafferty B McKay, JW Porter, M Pascual, GW Smith, K Sutherland & JR Ward (2004) The rising tide of ocean diseases: Unsolved problems and research priorities. *Frontiers in Ecology and the Environment* 2: 375-382 [[article link](#)]
17. Dube D\*\*, **K Kim**, AP Alker\*\* & CD Harvell (2002) Size structure and geographic variation in chemical resistance of sea fan corals *Gorgonia ventalina* to a fungal pathogen. *Marine Ecology-Progress Series* 231: 139-150 [[article link](#)]
16. Harvell CD, **K Kim**, C Quirolo, J Weir & GW Smith (2001) Coral bleaching and disease: contributors to 1998 mass mortality in *Briareum asbestinum* (Octocorallia, Gorgonacea). *Hydrobiologia* 460: 97-104 [[article link](#)]
15. Alker AP\*\*, GW Smith & **K Kim** (2001) Characterization of *Aspergillus sydowii* (Thom et Church), a fungal pathogen of Caribbean sea fan corals. *Hydrobiologia* 460: 105-111 [[article link](#)]
14. **Kim K**, PD Kim, AP Alker\*\* & CD Harvell (2000) Chemical resistance of gorgonian corals against fungal infections. *Marine Biology* 137: 393-401 [[article link](#)]
13. **Kim K**, CD Harvell, PD Kim\*\*, GW Smith & SM Merkel (2000) Role of secondary chemistry in fungal disease resistance of sea fans (*Gorgonia* spp.). *Marine Biology* 136: 259-267 [[article link](#)]
12. Harvell CD, **K Kim**, JM Burkholder, RR Colwell, PR Epstein, DJ Grime, EE Hofman, EK Lipp, ADME Osterhaus, RM Overstreet, JW Porter, G Smith & GR Vasta (1999) Emerging marine diseases—climate links and anthropogenic factors. *Science* 285: 1505-1510 [[article link](#)]
11. **Kim K** & HR Lasker (1998) Allometry of resource capture in colonial cnidarians and constraints on modular growth. *Journal of Functional Ecology* 12: 646-654 [[article link](#)]
10. Smith GW, CD Harvell & **K Kim** (1998) Response of sea fans to infection with *Aspergillus* sp. *Revista de Biología Tropical* 5: 205-208
9. Lasker HR, **K Kim** & MA Coffroth (1998) Production, settlement, and survival of plexaurid gorgonian recruits. *Marine Ecology Progress Series* 162:111-123 [[article link](#)]
8. Nagelkerken I, K Buchan, GW Smith, K Bonair, P Bush, J Garzon-Ferreira, L Botero, P Gayle, CD Harvell, C Heberer, **K Kim**, C Petrovic, L Pors & P Yoshioka (1997) Widespread fungal pathogen in Caribbean sea fans: II. Patterns of infection and tissue mortality. *Marine Ecology Progress Series* 160: 255-263 [[article link](#)]
7. **Kim K** & HR Lasker (1997) Flow-mediated resource competition in the suspension feeding gorgonian *Plexaura homomalla* (Esper). *Journal of Experimental Marine Biology and Ecology* 215: 49-64 [[article link](#)]
6. Lasker HR & **K Kim** (1996) Larval development and settlement behavior of the gorgonian coral *Plexaura kuna* (Lasker, Kim and Coffroth). *Journal of Experimental Marine Biology and Ecology* 207: 161-175 [[article link](#)]

5. Lasker HR, **K Kim** & MA Coffroth (1996) Reproductive and genetic variation among Caribbean gorgonians: The differentiation of *Plexaura kuna*, sp. nov. *Bulletin of Marine Science* 58: 277-288 [[article link](#)]
4. Lasker HR, DA Brazeau, J Calderon, MA Coffroth, R Coma & **K Kim** (1996) In situ rates of fertilization among broadcast spawning gorgonian corals. *Biological Bulletin* 190: 45-55 [[article link](#)]
3. **Kim K** (1994) Antimicrobial activity in gorgonian corals (Coelenterata, Octocorallia). *Coral Reefs* 13: 75-80 [[article link](#)]
2. Goldberg WM, TL Hopkins, SM Holl, J Schaefer, KJ Kramer, TD Morgan & **K Kim** (1994) Chemical composition of the sclerotized black coral skeleton (Coelenterata: Antipatharia): A comparison of two species. *Comparative Biochemistry and Physiology* 107B: 633-643 [[article link](#)]
1. **Kim K**, WM Goldberg & GT Taylor (1992) Architectural and mechanical properties of the black coral skeleton (Coelenterata: Antipatharia): A comparison of two species. *Biological Bulletin* 182: 195-209 [[article link](#)]

## ii. Book Chapters

6. McGowan, B L, S Cohen, **K Kim**, M Schroeder, A Taylor, X Varela & S Watkins (in press). *Building capacity to foster racial equity: Faculty learning communities for department chairs and program directors*. In K Rainville, D Title & C G Desrochers (Eds.), *Faculty learning communities working towards a more equitable, just, and anti-racist future in higher education*. IAP
5. **Kim K** (2016) Diseases of Octocorals. Pp 410–415, in *Diseases of Corals*. C Woodley et al. (eds) Wiley-Blackwell, Hoboken NJ [[article link](#)]
4. **Kim K** & K Rypien (2016) Aspergillosis of Caribbean Sea Fan Corals, *Gorgonia* spp. Pp 236–241, in *Diseases of Corals*. C Woodley et al. (eds) Wiley-Blackwell, Hoboken NJ [[article link](#)]
3. **Kim K** (2011) Aspergillosis is a fungal disease of sea fans. Pp p 228, in *Tropical Connections: Facts about south Florida's marine environment*. Kruczynski WL & PJ Fletcher (eds). University of Maryland IAN Press, Cambridge MD [[article link](#)]
2. **Kim K**, AP Dobson, FMD Gulland & CD Harvell (2005) Diseases and the Conservation of Marine Diversity. Pp 149-166, in *Marine Conservation Biology* edited by E Norse & L Crowder, Island Press, Washington DC [[article link](#)]
1. **Kim K** & CD Harvell (2001) Aspergillosis of sea fan corals: dynamics in the Florida Keys. Pp 813-824, in *The Everglades, Florida Bay, and Coral Reefs of the Florida Keys: An Ecosystem Handbook*. Porter JW & K Porter (eds), CRC Press, Boca Raton FL [[article link](#)]

## iii. Reports

3. Raymundo LJ, B Goldstein, D Baker, **K Kim**, S McLlroy, P Thompson, V Lapacek, D Duprey, J Cybulski, C LaRoche and N Geeraert (2018) Atlas of the Nearshore Shallow Benthic Habitats with the Manell-Geus Habitat Focus Area. University of Guam Marine Laboratory Technical Report No. 163, pp 63.
2. Wang J, **Kim K**, Ofiara D, Zhao Y, Bera A, Lohmann R & MC Baker (2016) Chapter 25: Marine Debris. Pp. 698–731 in *Global Reporting and Assessment of the State of the Marine Environment*, United Nations Division for Ocean Affairs and the Law of the Sea [[article link](#)]
1. National Research Council (2008) *Tackling Marine Debris in the 21st Century*. The National Academies Press, Washington DC. Pp 206 [[article link](#)]

## iv. Published Conference Proceedings

5. Broderick E, K Bushaw-Newton, J Santangelo & **K Kim** (2008) Role of the coral surface microbiota in disease: an in situ test using the *Gorgonia-Aspergillus* pathosystem. *Proceedings of the 11<sup>th</sup> International Coral Reef Symposium* 1: 242–246
4. Gil-Agudelo DL, L Ali-Hassan\*, **K Kim** & Garriet W Smith (2006) Characterization of coral surface microbiota using metabolic profiling. *Proceedings of the 10<sup>th</sup> International Coral Reef Symposium* 1: 149-152
3. **Kim K** & GW Smith (2005) *Gorgonia-Aspergillus* Pathosystem: Review of a fungal disease affecting Caribbean sea fan corals. Pp 285-292, in *Health and Disease of Aquatic Organisms: Bilateral Perspectives* edited by RC Cipriano, IS Shchelkunov & M Faisal, Living Oceans Foundation #2005-05, Michigan State University Press, East Lansing, MI
2. Clifton KE, **K Kim** & J Wulff (1997) Field guide to the reefs of Caribbean Panama with emphasis on the fauna and flora of western San Blas. *Proceedings of the 8<sup>th</sup> International Coral Reef Symposium* 1: 167-184
1. Swain TD\*\*, **K Kim** & HR Lasker (1997) Use of fluorescence microscopy in an assay of sperm density for the gorgonian coral, *Plexaura kuma*. *Proceedings of the 8<sup>th</sup> International Coral Reef Symposium* 2: 1341-1344

**v. Book Review**

1. **Kim K** (2010) *Sea Sick*: Book Review. *Oceanography* 23: 124 [[article link](#)]

**G. STUDENT RESEARCH SUPERVISION & MENTORING (AT AU)**

**Summary:** Supervised 13 graduate (ENVS is Masters only program) and 27 undergraduate students who have garnered 32 competitive awards and recognitions.

- 1 Boren Scholarship (1)
- 2 Carnegie Endowment Junior Fellowship Program (1)
- 3 Critical Languages Scholarship (1 total)
- 4 EPA Greater Research Opportunity Scholarship (1)
- 5 Fulbright Scholar Program (5)
- 6 Fulbright Canada – Killam Fellowship (4)
- 7 Fulbright – Summer Institute (1)
- 8 Fulbright Scholar – Finalist (2)
- 9 NOAA Ernest F. Hollings Undergraduate Scholarship (6)
- 10 NSF Graduate Research Fellowship (2)
- 11 ORISE Fellowship (4)
- 12 Udall Undergraduate Scholarship (1)
- 13 DC Space Grant Consortium Summer Research Grant (2)
- 14 Princeton in Asia (1)
- 15 Charles B. Rangel International Affairs Fellowship (1)

**b. Current & Past Undergraduate Students:**

- Leah Melmed<sup>6</sup> (ENVS BS'22)
- Liza Wilson<sup>6,9</sup> (ENVS BS'21); MS Candidate, University at Buffalo.

- Jiana Blaha<sup>13</sup> (BS'20); MPH 2020, Johns Hopkins University; Researcher, National Institutes of Health
- Azua Luo<sup>5,9,12,14,15</sup> (BS 2019); Fulbright Scholar - China; MPP Candidate, Harvard Kennedy School
- Carly LaRoche<sup>5,6,9</sup> (BS 2018); Fulbright Scholar - Indonesia; PhD Candidate, University of Virginia
- Benjamin Goldstein<sup>7,10</sup> (BS 2018); PhD Candidate, UC Berkeley
- Alex Morris (BS 2018); MS 2021 University of Western Florida; JD Candidate, Loyola University
- Sergio Morales (BS 2017); Biological Technician, NOAA
- Caroline Vill<sup>6,9</sup> (BS 2017)
- Kelly Donovan (BS 2016); MS 2018 University of Queensland, Australia; Environmental Scientist, Dewberry.
- Daniel Pasquale<sup>4</sup> (BS 2015); MEng 2017 Massachusetts Institute of Technology; Civil Engineer, Boston MA
- Meaghan Cuddy<sup>8</sup> (BS 2015) MS 2018 University of Texas; Ocean Specialist, US Department of State
- Tasia Poinssatte<sup>2,9</sup> (BA 2014) MS, University of Colorado, Boulder; Research Director, RBI Strategies
- Kathryn Meyer<sup>9,11</sup> (BS 2014) MS 2017, University of Michigan; EPA-ORISE Fellow II; Community Engagement and Outreach Manager - NCEAS DataONE; Office of Water, EPA Headquarters.
- Alyssa Frederick<sup>5,10</sup> (BS 2013) Fulbright Scholar - New Zealand; PhD UC Irvine; National Geographic Young Explorer; Director of White Abalone Captive Breeding Program, UC Davis
- Stevia Morawski (BA 2013); Botanist, Aecom
- Gabby Labove (BS 2013); Howard University College of Medicine, Washington DC
- Debra Frantz<sup>13</sup> (BA 2011); MS Cal State Long Beach
- Kate Pinkerton (BS 2010; MS 2012); Environmental Scientist, US-EPA Region 9 (CA)
- My Nguyen (BS 2009); PhD 2021, Case Western University; US-EPA ORISE Fellow
- Jamie Fultz (BS 2008) Edward Via College of Osteopathic Medicine; DO in private practice, NC
- Walker Timme (BS, 2007; MS'19) Science Teacher, Raymond Education Campus, Washinton DC
- Carey Myers<sup>5</sup> (BS 2005) MD/PhD 2019, Jefferson University; Resident, Albert Einstein Healthcare Network
- Tahir Jamil (BS 2005) University of Toledo College of Medicine; Surgeon, ProMedica Physicians, Ohio
- Erin Reigh (BS 2004; MS 2006) MD Georgetown; Allergy and Clinical Immunology Specialist, Dartmouth-Hitchcock Medical Center, New Hampshire
- Mike Dema (BA 2002) Assistant City Attorney, St. Petersburg FL
- Kara Shuster (BS 2002) MS UC Santa Barbara; Senior Sustainability Consultant at DNV GL - Energy, Washington DC

**b. Current & Graduate Students:**

*Past Students & Current Positions*

- Marissa Swain (MS 2020) Associate, Renewable Energy Buyers Alliance
- John Doherty (MS 2017) PhD University of Hong Kong; Environmental Law Insitute



- Jon Cybulski (MS 2016) PhD University of Hong Kong; National Geographic Young Explorer; Post-Doctoral Fellow, Smithsonian Tropical Research Institute
- Susie Vulpas<sup>1,3,5</sup> (MS 2015) Fulbright Scholar (Indonesia); Marine Program Advisor - Indonesia, Conservation International
- Charise Johnson (MS 2014) Research Associate, Union of Concerned Scientists
- Vince Bacalan<sup>11</sup> (MS 2013) Environmental Protection Specialist, US-EPA Headquarters (Washington DC)
- Kate Pinkerton<sup>11</sup> (MS 2012) Environmental Scientist, US-EPA Region 9 (San Francisco, CA)
- Jamey Redding (MS 2011) Scientist, Earth Resources Technology
- Walker Timme (MS 2010) Science Teacher, Raymond Education Campus, DC
- Genelle Harrison (MS 2010) PhD McGill University; Post Doctoral Fellow, U of Colorado Denver; Bioinformatics Scientist, Tempus Labs
- Emily Broderick (MS 2008) Instructor, Yavapai College
- Kirby Webster (MS 2007) Environmental Associate, Skeo Solutions
- Lanna Ali-Hassan (MA 2006) Anthony Wilder Design Build, MD
- Erin Reigh (MS 2006) MD Georgetown Medical School; Allergy & Immunology Fellow - Washington University Faculty, Dartmouth College
- David Baker (MS 2003) PhD Cornell University; Associate Professor, University of Hong Kong
- Katherine Bruce<sup>11</sup> (MS 2003) Environmental Protection Specialist, US-EPA Headquarters, Washington DC

**c. Non-Research Mentees:**

- Madeline Olden (SIS MS'21) Boren Fellowship
- Cheldina Jean (ENVS BS'20) Udall Scholarship
- Annika Barth (ENVS BA'19) Udall Scholarship - Honorable Mention
- Smriti Kumble (ENVS BS'17) Gaither Junior Fellows Program - Carnegie Endowment
- Isobel Araujo (ENVS BS'18) Udall Scholarship
- Kayla Ma (SIS BA'14) Udall Scholarship
- Stephen Bronskill (SPA BA'12) Udall Scholarship; Truman Finalist

## H. TEACHING

**Summary:** Taught 2,290 students across 100 classes of which 23 courses were new preparations.

**i. Courses Taught (bold indicates new course preparation)**

<i>Semester</i>	<i>Course (credit hours)</i>	<i>Enrollment</i>
<i>(Full teaching release since Fall-18 to serve as Executive Director of CTRL)</i>		
2020-Su	Facilitator: Online Instructor Course	6
2018-S	ENVS-150 Nature of Earth (3)	45
2017-S	Internships & Independent Studies Supervision	12
2017-F	ENVS-492 Senior Capstones (3)	24

2017-F	Internships & Independent Studies Supervision	5
2017-S	ENVS-150 Sustainable Earth (3)	60
2017-S	<b>ENVS-396 Marine Ecology &amp; Conservation (3)</b>	<b>15</b>
2016-F	ENVS-492 Senior Capstones (3)	19
2016-F	ENVS-150UC Sustainable Earth (3)	13
<b>2016-S</b>	<b>IDIS-196 AU Scholars Lab - Cuba (1)</b>	<b>12</b>
2016-S	ENVS-491, 591 Internship (various) (1.5)	
<b>2015-F</b>	<b>GENED-250 The Marine Environment (3)</b>	<b>9</b>
<b>2015-F</b>	<b>IDIS-196 AU Scholars Lab (1)</b>	<b>9</b>
2015-F	ENVS-491, 591 Internships (1.5)	2
2015-F	<i>Course Release</i> (Dept Chair, AUS Director) (4.5)	
<b>2015-S</b>	<b>ENVS-396 Ecological Applications (3)</b>	<b>20</b>
2015-S	<i>Course Release</i> (Director, AU Scholars Program) (3)	
2014-F	ENVS-150UC Sustainable Earth (3)	16
2014-F	UCOL-100 University College: Washington Lab (1)	16
2014-F	Internships & Independent Studies Supervision	3
2014-F	<i>Course Release</i> (Director, AU Scholars Program) (3)	
2014-Su	ENVS-596 Scientific Method and Science Education (3)	8
2014-S	<i>Sabbatical Leave</i>	
2013-F	ENVS-150 Sustainable Earth (3)	88
2013-F	ENVS-492 Senior Capstones (3)	20
2013-F	Internships & Independent Studies Supervision	2
2013-Su	ENVS-596 Scientific Method and Science Education (3)	6
2013-S	ENVS-150 Sustainable Earth (3)	117
<b>2013-S</b>	<b>UCOL-100 University College: Spring Student Research (1)</b>	<b>14</b>
<b>2013-S</b>	<b>UCOL-100 University College: Makengue, Nicaragua Experience (1)</b>	<b>11</b>
2013-S	Internships & Independent Studies Supervision	2
2013-S	<i>Course Release</i> (Chair, General Education Committee) (3)	
2012 F	ENVS-150UC Sustainable Earth (3)	14
2012-F	UCOL-100 University College: Washington Lab (1)	14
2012 F	ENVS-150 Sustainable Earth (3)	64
2012-F	Internships & Independent Studies Supervision	1
2012-S	ENVS-150 Sustainable Earth (3)	73
<b>2012-S</b>	<b>UCOL-100 University College: Spring Student Research (1)</b>	<b>14</b>
2012-S	Internships & Independent Studies Supervision	3
2011-F	ENVS-150 Sustainable Earth (3)	62
2011-F	ENVS-150UC Sustainable Earth (3)	14
2011-F	UCOL-100 University College: Washington Lab (1)	14
2011-F	Internships & Independent Studies Supervision	2
2011-F	<i>Course Release</i> (Chair, Department of Environmental Science) (3)	

2011-S	ENVS-596 Practice of Environmentalism: Galapagos (1)	22
<b>2011-S</b>	<b>ENVS-572 Topics in Conservation: Marine Conservation (3)</b>	<b>23</b>
2011-S	Internships & Independent Studies Supervision	17
2011-S	<i>Course Release</i> (Chair, Department of Environmental Science) (3)	
2010-F	ENVS-150UC Sustainable Earth (3)	16
<b>2010-F</b>	<b>ENVS-492 ENVS Senior Capstones (3)</b>	<b>14</b>
2010-F	Internships & Independent Studies Supervision	14
2010-Su	Internships & Independent Studies Supervision	4
2010-S	ENVS-596 Practice of Environmentalism: Galapagos (3)	24
2010-S	Internships & Independent Studies Supervision	8
<b>2009-F</b>	<b>GENED-150UC Sustainable Earth (3)</b>	<b>19</b>
<b>2009-F</b>	<b>UCOL-100 University College Washington Lab (1)</b>	<b>19</b>
2009-F	Internships & Independent Studies Supervision	10
2009-F	<i>Course Release</i> (Chair, Department of Environmental Science) (3)	
2009-Su	Internships & Independent Studies Supervision	2
2009-S	ENVS-102LC Seminar in Environmental Issues (1)	25
<b>2009-S</b>	<b>ENVS-596 Practice of Environmentalism: Galapagos (3)</b>	<b>24</b>
2009-S	Internships & Independent Studies Supervision	9
<b>2008-F</b>	<b>ENVS-102LC Seminar in Environmental Issues (1)</b>	<b>15</b>
<b>2008-F</b>	<b>ENVS-580 Environmental Science I (3)</b>	<b>27</b>
2008-F	Internships & Independent Studies Supervision	9
2008-F	<i>Course Release</i> (Chair, Department of Environmental Science) (3)	
2008-Su	Internships & Independent Studies Supervision	4
2008-S	BIO-697 Research Methods (3)	13
2008-S	<i>Course Release</i> (Interim Chair, Department of Biology) (3)	
2008-S	Internships & Independent Studies Supervision	7
2007-F	BIO-340 Marine Biology (3)	20
2007-F	<i>Course Release</i> (University Senate) (3)	
2007-F	Internships & Independent Studies Supervision	7
2007-Su	Internships & Independent Studies Supervision	2
<b>2007-S</b>	<b>BIO-697 Research Methods (3)</b>	<b>12</b>
2007-S	Internships & Independent Studies Supervision	4
2007-S	<i>Course Release</i> (overload from previous semester) (3)	
2007-S	<i>Course Release</i> (University Senate) (3)	
2006-F	Internships & Independent Studies Supervision	4
2006-F	<i>Sabbatical Leave</i>	
2006-S	BIO-240G Oceanography (3)	42
2006-S	BIO-240G Oceanography (3)	40
2006-S	BIO-100G Great Experiments in Biology (3)	74
2006-S	BIO-100G Great Experiments in Biology (3)	73

2006-S	Internships & Independent Studies Supervision	4
2005-F	BIO-240G Oceanography (3)	40
<b>2005-F</b>	<b>BIO-100G Great Experiments in Biology (3)</b>	<b>75</b>
2005-F	Internships & Independent Studies Supervision	5
<b>2005-S</b>	<b>ENVS-104 Issues in Marine Science (1)</b>	<b>18</b>
2005-S	BIO-210 General Biology II (3)	35
2005-S	BIO-240 Oceanography (3)	42
<b>2005-S</b>	<b>ENVS-396 Natural History of the Florida Keys (1)</b>	<b>8</b>
<b>2005-S</b>	<b>ENVS-596 Ecology of Infectious Diseases (3)</b>	<b>26</b>
2005-S	Internships & Independent Studies Supervision	4
2004-F	ENVS-102 Seminar in Environmental Issues (1)	18
2004-F	BIO-240 Oceanography (3)	44
2004-F	BIO-340 Marine Biology (3)	19
2004-F	Internships & Independent Studies Supervision	2
<b>2004-S</b>	<b>ENVS-102 Seminar in Environmental Issues (1)</b>	<b>17</b>
2004-S	BIO-240 Oceanography (3)	42
2004-S	BIO-210 General Biology II (3)	32
2004-S	Internships & Independent Studies Supervision	1
2003-F	BIO-240 Oceanography (3)	44
2003-S	BIO-210 General Biology II – Honors (3)	9
2003-S	BIO-240 Oceanography (3)	40
2002-F	BIO-240 Oceanography (3)	44
2002-F	<i>Course Release</i> (Junior Faculty Teaching Release Program) (6)	
<b>2002-S</b>	<b>BIO-210 General Biology II (3)</b>	<b>12</b>
<b>2002-S</b>	<b>BIO-210 General Biology II – Honors (3)</b>	<b>5</b>
2002-S	BIO-240 Oceanography (3)	40
2002-S	Internships & Independent Studies Supervision	2
2001-F	BIO-240 Oceanography (3)	48
<b>2001-F</b>	<b>BIO-563 Terrestrial Field Methods (3)</b>	<b>18</b>
2001-S	BIO-240 Oceanography (3)	44
<b>2001-S</b>	<b>BIO-340 Marine Biology (3)</b>	<b>9</b>
<b>2000-F</b>	<b>BIO-100 Great Experiments in Biology (3)</b>	<b>72</b>
<b>2000-F</b>	<b>BIO-240 Oceanography (3)</b>	<b>45</b>
2000-F	<i>Course Release</i> (for new faculty)	

## I. SERVICE

**Summary:** I have been deeply involved in service at all levels at my university, in my professional capacity, and in the broader community. Highlights include my service to the *Department of Environmental Sciences* as inaugural chair, *Center for Teaching Research & Learning* as executive director, the University Senate, the *Ocean Studies Board* of the National Academies (two terms), executive board of the *International Society for Reef Studies*, *AU Presidential Search Committee*,

*AU Athletics Director Search Committee, and the Ocean Sciences Bowl team at Woodrow Wilson High School in Washington DC.*

(D = Department.; C = College; U = University, P = Professional, O = Outreach, \* DEI-related activity)

*AY 2022 – 2023*

- (U) Associate Director, *Center for Environment, Community & Equity*
- (U) Interim Director, *Multiscale RECIPES Project (08/30/23 – 01/26/23)*
- (U) Member, Committee on *University Faculty Awards Selection*
- (U\*) Member, Committee on *DEI Lab – Workday ERP Transformation*, Office of Information Technology
- (U\*) Member, Planning Committee, *Summit on Fostering Indigenous Spaces at AU*
- (U\*) Member, *Data Analytics and Predictive Modeling Team on Student Retention*
- (U) Search Committee Member, *Associate Director*, Office of Merit Awards
- (U) Member, Middle States Self-Study Steering Committee, Sub-Committee on *Scholarship: Enhancing Capacity for Distinctive Research and Scholarship*
- (U\*) Member, University Strategic Plan Implementation Committee (Years 3–4), *Strategic Imperative 4: Learning for Undergraduate, Graduate, and Professional Students*. Work-stream Lead on *Designing for all learners and in multiple modalities*
- (U\*) Member, AU ADVANCE Grant Steering Committee
- (U) Member (ex-officio), *Committee on Scholarship*,
- (U) Member (ex-officio), *Computer and Information Services Committee*, AU Faculty Senate
- (U) Member, *Online Learning Leadership Council*
- (U) Member, *Academic Technology and Services Committee*
- (U) Member, *Enterprise Systems Project Team*
- (U) Member, *Sustainability Advisory Committee*
- (U) Member, *Single Use Plastics Committee*, Office of Sustainability
- (U) Faculty Advisor, *Women's Field Hockey Team (NCAA Division I)*
- (U) Faculty Liaison, *Fulbright U.S. Scholars Program*
- (C) Member, Search Committee, *Tenure-Track Open Rank in Virology*, Department of Biology
- (D) Member, Rank & Tenure Committee, *Promotion to Senior Professorial Lecturer*, Barbara Balestra
- (D) Chair, Rank & Tenure Committee, *Promotion to Full*, Sauleh Siddiqui
- (D) Chair, Search Committee, *Tenure-Track Open Rank in Environmental Scientist*

*AY 2021 – 2022*

- (U) Member, *Summer Scholars and Artists Grant Review Panel*, Office of Undergraduate Education
- (U) Member, Middle States Self-Study Steering Committee, Sub-Committee on *Scholarship: Enhancing Capacity for Distinctive Research and Scholarship*
- (U\*) Member, University Strategic Plan Implementation Committee (Years 3–4), *Strategic Imperative 4: Learning for Undergraduate, Graduate, and Professional Students*. Work-stream Lead on *Designing for all learners and in multiple modalities*
- (U\*) Co-Facilitator, *Creating an Inclusive Environment – a Faculty Learning Community for Department Chairs and Program Directors*
- (U\*) Member, AU ADVANCE NSF Grant Proposal Steering Committee

- (U\*) Organizing Team, *Retreat: Inclusive Excellence in Faculty Tenure, Promotion & Reappointment* (10/29/21–10/30/21)
- (U\*) Steering Committee Member, AU's *Center for Environment, Community & Equity*
- (U) External Partners Interviewee, ACEJMC Reaccreditation of Journalism and Public Communication, SOC
- (U) Member, *Elements* soft launch Review, Office of the Provost
- (U) Member, UK Scholarship Nomination Panel, Office of Merit Awards
- (U) Member (ex-officio), AU Senate *Committee on Scholarship*,
- (U) Member (ex-officio), AU Senate *Computer and Information Services Committee*
- (U) Member, *Online Learning Leadership Council*
- (U) Member, *Academic Technology and Services Committee*
- (U) Member, *Enterprise Systems Project Team*
- (U) Member, *Sustainability Advisory Committee* (Strategic Planning)
- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (U) Faculty Liaison, Fulbright U.S. Scholars Program
- (U) Panelist, *Faculty Mentorship: How to Find and Develop a Mentor/Mentee Relationship*, Office of Merit Awards (10/14/21)
- (U) Search Committee Member, *VP for Auxiliary Services and Airlie Center*, Office of Finance
- (C) Search Committee Member, *Tenure-Track Open Rank: Microbiology*, Department of Biology
- (C) Member, Rank & Tenure Committee: Promotion to Associate Professor, Department of Anthropology
- (D) Member, Merit Review Committee, ENVS
- (D\*) Mentor, Junior Faculty Mentoring Program in ENVS: Michael Alonzo, Valentina Aquila, Jessica Gephart and Sauleh Siddiqui
- (P) Panelist, *DASER Experiments: Art, Empathy, and Climate Change*, Cultural Programs of the National Academy of Sciences (09/23/21)
- (P) Reviewer: *Oceanography*

*AY 2020 – 2021*

- (U) Participant, The Campaign for American University Video *Change Can't Wait*
- (U) Volunteer, Comprehensive Fundraising Campaign
- (U\*) Member, University Strategic Plan Implementation Committee (Years 3–4), *Strategic Imperative 4: Learning for Undergraduate, Graduate, and Professional Students*. Work-stream Lead on *Designing for all learners and in multiple modalities*
- (U\*) Member, University Strategic Plan Implementation Committee (Years 1–2), *Strategic Imperative 4: Learning for Undergraduate, Graduate, and Professional Students*. Work-stream Lead on *Inclusive Pedagogy*
- (U\*) Co-Facilitator, *Creating an Inclusive Environment – a Faculty Learning Community for Department Chairs and Program Directors*
- (U) Stakeholder Committee, University Librarian Search (scoping and interview)
- (U\*) Steering Committee Member, AU's *Center for Environment, Community & Equity*
- (U) Panelist, Marshall and Rhodes Scholarships - Interview Panel, Office of Merit Awards
- (U) Member (ex-officio), AU Senate *Committee on Scholarship*, and *Computer and Information Services Committee* of the Senate
- (U) Member, Sustainability Advisory Committee (Strategic Planning)
- (U\*) Member, AU ADVANCE NSF Grant Proposal Steering Committee
- (U) Member, *Faculty Activity Reporting Systems - Alternate Solutions*
- (U) Member, AU Honors Student Selection Committee
- (U) Member (ex-officio), Committee on Scholarship of the Faculty Senate

- (U) Member, Online Learning Leadership Council
- (U) Member (ex-officio), Computer and Information Services Committee of the Senate
- (U) Member, Academic Technology and Services Committee
- (U) Member, Enterprise Systems Project Team
- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (U) Faculty Liaison, Fulbright U.S. Scholars Program
- (D\*) Mentor, Junior Faculty Mentoring Program in ENVIS (Michael Alonzo, Valentina Aquila, Jessica Gephart and Sauleh Siddiqui)
- (O) Panelist (With Sean Carroll, Fred Tutman, Maggie Stogner), *Serengeti Rules*, School of Communications (11.10.20)

*AY 2019 – 2020*

- (U) Member, University Strategic Plan Implementation Committee (Years 1–2), *Strategic Imperative 4: Learning for Undergraduate, Graduate, and Professional Students*. Workstream Lead on *Inclusive Pedagogy*
- (U) Member, The Future of Research and Learning Work Stream (Strategic Plan)
- (U) Session Organizer, University Leadership Retreat Planning
- (U) Founding Member, AU's *Center for Environment, Community & Equity*
- (U) Member, Sustainability Advisory Committee (Strategic Planning)
- (U) Member, Online Learning Leadership Council
- (U) Member, Web Steering Committee
- (U) Reviewer, Faculty Research Support Grants
- (U\*) Member, AU ADVANCE NSF Grant Proposal Steering Committee
- (U) Chair, Ad Hoc Advisory Committee on Research and Centers' (AACRC) Academic Misconduct subcommittee
- (U) Member, *Ad Hoc* Advisory Committee on Research and Centers
- (U) Member, *Faculty Activity Reporting Systems - Alternate Solutions*
- (U) Interview Panelist, UK Scholarships Nominations Process, Office of Merit Awards
- (U) Member, Student Academic Achievement Awards Selection Committee
- (U) Member, AU Honors Student Selection Committee
- (U) Stakeholder Committee, Vice President and Chief Information Officer (CIO) Search
- (U) Stakeholder Committee, Vice Provost and Chief Online Officer (VP-COO) Search
- (U) Member (ex-officio), Committee on Scholarship of the Faculty Senate
- (U) Member, Online Learning Leadership Council
- (U) Member (ex-officio), Computer and Information Services Committee of the Senate
- (U) Member, Academic Technology and Services Committee
- (U) Member, Enterprise Systems Project Team
- (U) Participant, *Sony Collaborative* on Instructional Technology
- (U) Faculty Advisor, [Sustainable Ocean Alliance](#) - AU Chapter
- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (U) Faculty Liaison, Fulbright U.S. Scholars Program
- (C) Member, Physics R&T Committee (Gregg Harry; Promotion to Full Professor)
- (C) Member, Biology R&T Committee (Chris Tudge; Promotion to Term Full Professor)
- (C) Member, Science R&T Committee
- (D) Member, Rank & Tenure Committee
- (D) Member, ENVIS Program Assessment Committee
- (D) Member, *Ad Hoc* Term Promotion File Review Committee (file for promotion to Hurst Professorial Lecturer, Jesse Meiller)

- (D\*) Mentor, Junior Faculty Mentoring Program in ENVS (Michael Alonzo, Valentina Aquila, Jessica Gephart)
- (P) Member, Sony Future Learning Collaborative
- (P) Panelist (virtual), *Fostering Individual and Institutional Sustainability*, presentation and discussion with Deloitte Green Team, CA (May 29, 2020)

#### *AY 2018 – 2019*

- (U\*) Panelist, Critical Conversations in STEM (CTRL Event, 4/03/20)
- (U\*) Member, AU ADVANCE NSF Grant Proposal Steering Committee
- (U) Member, AU Honors Student Selection Committee
- (U\*) Panelist, Asian American Student Union Networking Event (04/06/19)
- (U) Member, AUxII Council Search Committee, Office of Undergraduate Education
- (U\*) Interviewee (video), *Diversity and Inclusion – Inclusive Teaching*, Office of the President
- (U\*) Interviewee (video), *Mentoring - Frederick Douglass Distinguished Scholars Program*
- (U\*) Member, [Excelencia](#) Data Institute
- (U) Liaison, [Airlie Center](#) Academic Programming
- (U) Member, Academic Integrity Code Committee (evaluation and revision of manual and processes)
- (U) Member, AUxII Council Selection Committee, Office of Undergraduate Education
- (U) Member (ex-officio), Computer and Information Services Committee of the Senate
- (U) Member, Academic Technology and Services Committee
- (U) Member, Enterprise Systems Project Team
- (U\*) Member, SET Task Force (Faculty Senate)
- (U) Participant, *Sony Collaborative* on Instructional Technology
- (U) Member, Web Steering Committee
- (U) Member, University Strategic Planning “*Future of Research & Learning*” Workstream Group, Office of the Provost
- (U) Member, AU Strategic Planning Subcommittee - *Areas of Excellence*
- (U) Faculty Advisor, [Sustainable Ocean Alliance](#) - AU Chapter
- (U) Faculty Advisor, Women’s Field Hockey Team (NCAA Division I)
- (D) Search Committee, Tenure-track, Ecosystem Science, Department of Environmental Science
- (D) Mentor, Junior Faculty Mentoring Program in ENVS (Michael Alonzo, Valentina Aquila, Karen Knee)

#### *AY 2017 – 2018*

- (U) Member, *Future Walk* - President Burwell Inauguration Celebration Committee
- (U\*) Member, *Faculty Development Leadership Cohort* (inaugural) for *Diversity & Inclusion*
- (U) Participant, *Resiliency Assessment Workshop*, Office of Sustainability
- (U) Interview Panelist, *UK Fulbright/Marshall Programs*, Office of Merit Awards
- (U) Liaison, [Airlie Center](#) Academic Programming
- (U) Selection Panel, Udall Nominations, Office of Merit Awards
- (U) Participant, Skills Initiative Video: *Critical Thinking*, AU Career Center
- (U) Participant, Story Video: *The AU Faculty*, Office of Enrollment Admissions App
- (U\*) Panelist, *Being a Student of Color at AU*, Office of Student Life
- (U) Member, AU Strategic Planning Subcommittee, Areas of Excellence
- (U) Interviewee, [AU Carbon Neutrality Announcement Video](#)
- (U) Faculty Advisor, Women’s Field Hockey Team (NCAA Division I)
- (C) Search Committee Member, Associate Dean for Research, CAS



- (C) Steering Committee, *Optics Olympiad* (part of G. Harry's NSF Career Grant)
- (D) Expenditure Committee, Department of Environmental Science
- (D) Mentor, CAS Junior Faculty Mentoring Program (Michael Alonzo, Valentina Aquila, Karen Knee)
- (D) Director of Undergraduate Studies, Department of Environmental Science

*AY 2016 – 2017*

- (U) Member, AU Presidential Search Committee
- (U) Steering Committee, *ECollaborative*
- (U) Member, Search Committee – Merit Awards Advisor, Office of Merit Awards
- (U) Airlie Academic Development Plan (in support of VP of Office of Development)
- (U) Panelist, *Success Stories: Why What Faculty Do Makes a Difference*, Ann Ferren Conference
- (U) Selection Panel: Udall, Fulbright Scholars, UK Scholarships, Office of Merit Awards
- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (C) Steering Committee, *Optics Olympiad* (part of G. Harry's NSF Career Grant)
- (C) Member, CAS PhD Program Development Committee
- (C) Panelist, Film *Age of Consequences*
- (D) Mentor, CAS Junior Faculty Mentoring (Karen Knee)
- (D) Director of Undergraduate Studies Program
- (D) Member, Rank & Tenure Committee
- (P) Member, Editorial Board, *Coral Reefs*
- (P) Recording Secretary, *International Society of Reef Studies*
- (P) Grant Reviewer: National Geographic
- (O) Member, *Environmental Literacy Advisory Committee*, Office of the State Superintendent of Education, DC

*AY 2015 – 2016*

- (U) Lead, Curriculum Development: *Study Abroad in Kenya* for ENVS Students
- (U) Director, AU Scholars Program
- (U) Steering Committee, *ECollaborative*
- (U) Member, Reinventing the Student Experience (RiSE) Retreat Planning Committee
- (U) Selection Panel, Udall Scholars, Office of Merit Awards
- (U) Panel Member, *Teaching First Year Students: Challenges and Opportunities*, Center for Teaching, Research & Learning, Noontime Conversation Event
- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (C) Member, CAS PhD Program Development Committee
- (C) Judge, Mathias Student Conference
- (D) Chair, Tenure-Track Search Committee, ENVS
- (D) Chair, Department of Environmental Science
- (D) Director of Undergraduate Studies Program
- (D) Member, Rank & Tenure Committee
- (P) Member, Editorial Board, *Coral Reefs*
- (P) Recording Secretary, *International Society of Reef Studies*
- (O) Member, *Environmental Literacy Advisory Committee*, Office of the State Superintendent of Education, DC

*AY 2014 – 2015*

- (U) Director, AU Scholars Program
- (U) Co-Lead, Environmental and Sustainability Collaborative Faculty Research Retreat

- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (C\*) Speaker, Multicultural Overnight Event
- (D) Chair, Department of Environmental Science
- (D) Member, ENVIS Cluster Faculty Search
- (D) Director of Undergraduate Studies Program
- (D) Member, Rank & Tenure Committee
- (P) Member, Editorial Board, *Coral Reefs*
- (P) Recording Secretary, *International Society of Reef Studies*

*AY 2013 – 2014 (Sabbatical, Spring 2014)*

- (U) Member, Fulbright Scholars Selection Committee, Office of Merit Award
- (U) Member, Udall Scholars Selection Committee, Office of Merit Award
- (U) Director, AU Scholars Program
- (U) Member, AU Athletics Strategic Plan, *Academic Achievements & Student-Athlete Development*
- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (U) Presenter, *Celebrating Philanthropy* (Baltimore MD)
- (U) Member, *Campus Beautification Day*
- (D) Member, Rank & Tenure Committee
- (D) Director of Undergraduate Studies, Department of Environmental Science
- (P) Panel Member: US-AID/NSF PEER Review Program
- (P) Proposal Reviewer: National Geographic
- (P) Manuscript Reviewer: *Diseases of Aquatic Organisms, Coral Reefs*
- (P) Contributing Co-author, United Nations *World Ocean Assessment* Chapter 25: Marine Debris
- (P) Chapter Reviewer, United Nations *World Ocean Assessment* Chapter 20: Land-Based Inputs

*AY 2012 – 2013*

- (U) Member, Fulbright & Udall Scholars Selection Committee
- (U) Member, Earth Week Planning Committee
- (U) Member, Sustainability Project Team
- (U) Member, Undergraduate Studies Subcommittee, Middle States Review Self-Study
- (U\*) Member, Korean Garden Committee
- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (U) Presenter, *AU Culture WONKs* (Boston MA)
- (D) Member, Rank & Tenure Committee
- (D) Director of Undergraduate Studies, Department of Environmental Science
- (P) Contributing Writer, UN World Ocean Assessment Chapter 25: Marine Debris
- (P) Chapter Reviewer, UN World Ocean Assessment Chapter 20: Land-Based Inputs
- (P) Member, DC STEM Advisory Board
- (O\*) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (Washington DC)
- (O) Speaker, Smithsonian National Zoo Volunteers Program
- (O) Screening Panelist, *Dirt: A Love Story*, American University

*AY 2011 – 2012*

- (U) Member, Search Committee – Directors of Athletics, Department of Athletics & Recreation
- (U) Member, Ad Hoc Honors Committee
- (U) Member, Fulbright & Udall Scholars Selection Committee
- (U) Member, Undergraduate Studies Subcommittee, Middle States Review Self-Study
- (U) Member, Earth Week Planning Committee

- (U) Member, Sustainability Project Team
- (U) Panelist, Undergraduate Research Workshop
- (U) Member, Study Abroad Advisory Committee
- (U\*) Member, Korean Garden Committee
- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (D) Member, Rank & Tenure Committee
- (D) Director of Undergraduate Studies, Department of Environmental Science
- (P\*) Member, DC STEM Advisory Board
- (O\*) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (Washington DC)
- (O) Interviewed about traveller's impact on coral reefs (BBC Travel)

#### *AY 2010 – 2011*

- (U) Co-Chair, Department Chair Development Task Force
- (U) Member, Udall Scholars Selection Committee, Office of Merit Awards
- (U\*) Member, Korean Garden Committee
- (U) Member, Earth Week Planning Committee
- (U) Member, Sustainability Project Team
- (U) Member, Study Abroad Advisory Committee
- (U) Panelist, Undergraduate Research Workshop
- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (D) Director of Undergraduate Studies, Department of Environmental Science
- (D) Co-Chair, Faculty Search (Ecohydrology), Department of Environmental Science
- (D) Search Committee, Tenure-track, Experimental Physics, Department of Physics
- (D) Member, Rank & Tenure Committee
- (P) NSF Review Panel, NSF-NIH *Emerging Infectious Diseases*
- (O\*) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (Washington DC)

#### *AY 2009 – 2010*

- (U) Co-Chair, Department Chair Development Task Force
- (U) Member, Advisory Committee, AU Study Abroad Program
- (U) Member, Udall Scholars Selection Committee, Office of Merit Awards
- (U) Member, University Sustainability Project Team
- (U) Participant, *Understanding the Experience of Faculty of Color*
- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (C) Member, Educational Programming Committee
- (D) Search Committee, Tenure Track in Climate Change, Department of Environmental Science
- (D) Search Committee - Co-Chair, Tenure-track, Wetlands, Department of Environmental Science
- (D) Director of Undergraduate Studies, Department of Environmental Science
- (D) Chair, Environmental Science PhD Program Exploration Committee
- (D) Member, Rank & Tenure Committee
- (P) NSF Review Panel: NSF-NIH *Emerging Infectious Diseases*
- (O) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (DC)

#### *AY 2008 – 2009*

- (U) Member, University Climate Action Plan Committee
- (U) Co-Chair, Departmental Chair Development Task Force
- (U) Co-Organizer, *What Faculty Want From Chairs*, Anne Ferren Teaching Conference

- (U) Member, Faculty Retreat Planning Committee
- (U) Member, Fulbright Scholars Selection Committee, Office of Merit Awards
- (U) Member, Udall Scholars Selection Committee, Office of Merit Awards
- (U) Member, Undergraduate Research Panel, University Honors Program
- (U) Member, Advisory Committees, AU Study Abroad Program
- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (C) Member, Educational Programing Committee
- (D) Search Committee Chair, Tenure-track Faculty Search, Wetlands Ecology, Department of Environmental Science
- (D) Chair, Environmental Science PhD Program Exploration Committee
- (D) Director of Undergraduate Studies, Department of Environmental Science
- (D) Member, Rank & Tenure Committee
- (O\*) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (DC)
- (O) Host & Organizer, Distinguished Speaker Series (Open to the Public): Dr. Jane Lubchenco, NOAA Administrator, NOAA Climate Science and Services

*AY 2007 – 2008*

- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (U) Member, Faculty Search (Environmental Policy), School for International Service
- (U) Mock Interviewer, Greenberg Seminar
- (U) Co-Chair, Joint Committee on Curriculum and Academic Programs, University Senate
- (U) Member, Executive Committee of the Faculty Senate
- (U) Member, Athletic Advisory Committee, Department of Athletics
- (U) Member, Advisory Committee, AU Study Abroad Program
- (C) Moderator, CAS Student Research Conference
- (D) Member, Undergraduate Committee, Environmental Studies Program
- (D) Director, Environmental Studies Program
- (D) Internship Coordinator
- (D) Webmaster, Environmental Studies Program and Department of Biology
- (D) Search Committee, Tenure-track Faculty, Cell Biology, Department of Biology
- (D) Member, Rank & Tenure Committee
- (O) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (Washington DC)

*AY 2006 – 2007*

- (U) Co-Chair, Joint Committee on Curriculum and Academic Programs, University Senate
- (U) Member, Curriculum Integration Committee, AU Study Abroad Program
- (U) Member, Ad Hoc Committee on Learning Communities
- (U) Faculty Advisor, Women's Field Hockey Team (NCAA Division I)
- (U) Member, Athletic Advisory Committee, Department of Athletics
- (C) Speaker, College Success Foundation Lecturer, School of Education, Teaching & Health
- (D) Acting Chair, Department of Biology
- (D) Director, Environmental Studies Program
- (D) Member, Rank & Tenure
- (D) Search Committee, Tenure-Track Faculty, Cell Biology, Department of Biology
- (D) Member, ENVS Undergraduate Committee
- (D) Internship Coordinator
- (D) Webmaster, Biology and Environmental Studies
- (D) Member, ENVS PhD Committee

- (D) Search Committee, Tenure-track Faculty, Environmental Policy, School of International Service
- (O\*) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (Washington DC)

*AY 2005 – 2006*

- (U) Member, Faculty Search (Environmental Policy), School for International Service
- (U) Co-Chair, Joint Committee on Curriculum and Academic Programs, University Senate
- (U) Member, Curriculum Integration Committee, AU Study Abroad Program
- (U) Member, Faculty Athletic Advisory Council, Department of Athletics
- (C) Member, Educational Programing Committee - Research Committee
- (C) Speaker, Graduate Open House
- (D) Director, Environmental Studies Program
- (D) Member, Rank & Tenure Committee, Department of Biology
- (D) Member, ENVS Undergraduate Committee
- (D) Internship Coordinator
- (D) Webmaster, Environmental Studies Program and Department of Biology
- (D) Member, ENVS PhD Committee

*AY 2004 – 2005*

- (U) Faculty Advisor, AU Lady Eagles Ice Hockey Club Team
- (U) Building Representative, Emergency Evacuation Plan
- (U) Member, Athletic Advisory Committee
- (C) Member, Budget Advisory Committee
- (C) Member, Educational Programing Committee - Research Committee
- (D) Director, Environmental Studies Program
- (D) Undergraduate Advisor, Environmental Studies Program
- (D) Webmaster, Environmental Studies Program
- (C) Member, Ad Hoc Academic Integrity Review Panel
- (O) Host & Organizer, Distinguished Speaker Series (Open to the Public): Dr. John H. Marburger III, Director, Office of Science and Technology Policy (event covered by C-SPAN)

*AY 2003 – 2004*

- (U) Faculty Sponsor, *Chesapeake Bioneers* Conference
- (U) Member, Fulbright Selection Committee, Office of Merit Awards
- (U) Faculty Advisor, AU Men's Golf Team
- (U) Member, Ad Hoc Committee on Center for Environmental Films
- (C) Member, Budget Advisory Committee
- (C) Member, Technology Committee
- (C) Advisor, Premedical Program
- (C) Member, Ad Hoc Academic Integrity Review Panel
- (C) Chair, AU DC-Sharjah Science Exchange Program
- (C) Co-Organizer, Graduate Studies Open House
- (C) Moderator, Student Research Conference
- (D) Director, Environmental Studies Program
- (D) Webmaster, Environmental Studies Program

*AY 2002 – 2003*

- (C) Advisor, Premedical Program

- (C) Member, Budget Advisory Committee
- (C) Member, Technology Committee
- (C) Member, Ad Hoc Academic Integrity Review Panel
- (C) Member, Dissertation Fellowship Committee
- (D) Webmaster, Environmental Studies Program

*AY 2001 – 2002*

- (C) Member, Technology Committee
- (C) Member, Budget Advisory Committee
- (C) Moderator, Student Research Conference
- (D) Chair, Undergraduate Program, Department of Biology

*AY 2000 – 2001*

- (C) Member, Technology Committee
- (C) Member, Ad Hoc Academic Integrity Review Panel
- (D) Member, Faculty Search (Microbiology), Department of Biology
- (D) Member, Rank & Tenure Committee
- (D) Member, General Education Course Review (BIO-240G)
- (D) Chair, Undergraduate Program, Biology Department
- (D) Member, Faculty Search (Molecular Genetics), Department of Biology

**J. CERTIFICATIONS / AWARDS**

- (12/2022) 5th Place (M55/67 kg Class), World Masters Weightlifting Championships
- (06/2021) 2nd Place (M55/67 kg Class), Canadian Masters Weightlifting Championships
- (05/2021) 6th Place (M55/67 kg Class), World Masters Weightlifting Championships
- (10/2019) Olympic Weightlifting Coach – Level 1, USA Weightlifting
- (07/2019)\* Facilitator, Intercultural Development Inventory
- (09/2018) Local Olympic Weightlifting Competition Referee, USA Weightlifting
- (06/1995) NITROX Diver, IANTD
- (11/1987) Open Water Diver, PADI