

# KIHO KIM, PhD

## *Curriculum Vitae*

### A. PERSONAL INFORMATION

Department of Environmental Science  
American University, Washington DC 20016-8007  
202.885.2181 • [kiho@american.edu](mailto:kiho@american.edu) • [AU Faculty Profile](#) • [Google Scholar Profile](#)

### B. 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

### C. EMPLOYMENT HISTORY

2018 –            Executive Director, [Center for Teaching, Research & Learning](#), AU  
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, Teaching & Health](#), AU  
2009 –            Affiliate Faculty, Department of Biology, American University  
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](#))

### D. HONORS, AWARDS & APPOINTMENTS

2017              American University *Faculty & Staff Collaboration Award* (inaugural awardee)  
2017              *Dean's Impact Award* (inaugural awardee), College of Arts & Sciences, American University  
2016 –              Committee Member, *Environmental Literacy Advisory Committee*, Office of the State Superintendent of Education, Washington DC  
2016              External Program Evaluator, Department of Geography and the Environment, Villanova University  
2015 –              Member, Editorial Board, [Coral Reefs](#)

- 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 Society for Reef Studies](#)
- 2013 *Green Teacher of the Year Award*, American University
- 2013 *Ann Ferren Curriculum Design Award* (inaugural awardee), American University
- 2012 – 2013 STEM Advisory Board, District of Columbia Public Schools
- 2011 *Teaching with Research Award*, American University
- 2011 External Program Evaluator, *Environmental Science & Policy Graduate Program*, University of South Florida - St. Petersburg
- 2009 – 2013 Council Member, [International Society for Reef Studies](#)
- 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. PUBLICATIONS

**Summary:** 41 Journal Articles; 6 Book Chapters; 2 Report; 3 Conference Proceedings; 1 Book Review. Total citations = 4,874; h-index = 29 (as of 11/11/20, [Google Scholar Profile](#))

(\*graduate student, \*\*undergraduate student, §corresponding author)

### i. Journal Articles

41. Knapp MA\*, N Geeraert, K Kim & 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 <https://doi.org/10.3390/w12113029> [article link]
40. 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]
39. 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 doi.org/10.2983/035.037.0525 [article link]
38. LaRoche C\*\*, BR Goldstein\*\*, JD Cybulski\*, LJ Raymundo, LR Aoki & **K Kim**§ (2018) A decade of change in *Enhalus acoroides* seagrass meadows in Guam. *Marine & Freshwater Research* doi.org/10.1071/MF18062 [article link]
37. Bacalan V\*, T Poinatte\*\*, 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, doi.org/10.1007/s00227-018-3349-4 [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* doi.org/10.1016/j.marpolbul.2017.04.023 [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 <sup>15</sup>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). The relationship between water quality, δ<sup>15</sup>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 Aspergillosis 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**<sup>S</sup> (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**<sup>S</sup>, 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**<sup>S</sup> & 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**<sup>S</sup> & 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**<sup>S</sup> (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. **Kim K** (2016) Diseases of Octocorals. Pp 410–415, in *Diseases of Corals*. C Woodley et al. (eds) Wiley-Blackwell, Hoboken NJ [[article link](#)]
5. **Kim K** & K Rypien (2016) Aspergillois 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](#)]
4. **Kim K** (2011) Aspergillois 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](#)]
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. **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 (2002) Aspergillois 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

3. 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
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 keana*. *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](#)]

## F. SPONSORED RESEARCH

**Summary:** Total of \$2.6 million in extramural support as PI or Co-PI.

- 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)  
2019 NSF Re/*Upskilling 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 – BIO OCE RAPID, *Documenting Bleaching Susceptibility and Resilience in Guam, Micronesia* (PI, \$93,490)  
2012 NSF – DUE, *From the Laboratory to the Classroom: Building Capacity for Math and Science Teaching in DC* (Co-PI, \$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 – BIO OCE, *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)

## G. STUDENT RESEARCH SUPERVISION / MENTORING

**Summary:** Supervised 13 graduate (Masters only) and 18 undergraduate students who have garnered 30 national awards.

- 1 [Boren Scholarship](#) (1 total)
- 2 [Carnegie Endowment Junior Fellowship Program](#) - Finalist (1 total)
- 3 [Critical Languages Scholarship](#) (1 total)
- 4 [EPA Greater Research Opportunity Scholarship](#) (1 total)
- 5 [Fulbright Scholar Program](#) (5 total)
- 6 [Fulbright Canada – Killam Fellowship](#) (4 total)

- 7 Fulbright – Summer Institute (1 total)
- 8 Fulbright Scholar – Finalist (2 total)
- 9 NOAA Ernest F. Hollings Undergraduate Scholarship (6 total)
- 10 NSF Graduate Research Fellowship (1 total)
- 11 ORISE Fellowship (4 total)
- 12 Udall Undergraduate Scholarship (1 total)
- 13 DC Space Grant Consortium Summer Research Grant (2 total)
- 14 Princeton in Asia (1 total)

**a. Current Graduate Students (MS only):** Hannah Nisonson (starting Fall 2020)

*Past Students & Current Positions*

- Marissa Swain (MS 2020): Associate, Renewable Energy Buyers Alliance
- John Doherty (MS 2017): PhD Candidate, University of Hong Kong
- Jon Cybulski (MS 2016): PhD Candidate, University of Hong Kong (awarded HKU Presidential Scholarship); National Geographic Young Explorer Award
- 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
- 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 Candidate, McGill University
- 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

**b. Current Undergraduate Students:** Liza Wilson<sup>6,9</sup> (BS'21), Leah Melmed<sup>6</sup> (ENVS BS'22)

*Past Students & Current Positions*

- Jiana Blaha<sup>13</sup> (BS'20); MPH Candidate (Fall 2020) Johns Hopkins University
- Azua Luo<sup>5,9,12,14</sup> (BS 2019): Fulbright Scholar - China
- Carly LaRoche<sup>5,6,9</sup> (BS 2018): Fulbright Scholar - Indonesia; PhD Candidate, University of Virginia
- Benjamin Goldstein<sup>7</sup> (BS 2018): PhD Candidate, UC Berkeley
- Alex Morris (BS 2018): MS Candidate, University of Western Florida
- Sergio Morales (BS 2017): Educator, Fleet Science Center
- Caroline Vill<sup>6,9</sup> (BS 2017): MS College of Charleston
- Kelly Donovan (BS 2016): MS University of Queensland, Australia (2018); Environmental Scientist, Dewberry.

- Daniel Pasquale<sup>4</sup> (BS 2015): MEng Massachusetts Institute of Technology; Civil Engineer, Boston MA
- Meaghan Cuddy<sup>8</sup> (BS 2015): MS University of Texas - Austin; Marine Education Associate, Louisiana Universities Marine Consortium; Ocean Education Specialist, Smithsonian National Museum of Natural History
- Tasia Poinssatte<sup>2,9</sup> (BA 2014): MS Candidate, University of Colorado - Boulder
- Kathryn Meyer<sup>9,11</sup> (BS 2014): MS University of Michigan; EPA-ORISE Fellow IL; 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 from UC Irvine; National Geographic Young Explorer Awardee; Post-Doctoral Fellow UC Irvine
- 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; PA Candidate, Midwestern University;
- Kate Pinkerton (BS 2010; MS 2012): Environmental Scientist, US-EPA Region 9 (CA)
- My Nguyen (BS 2009): PhD Candidate, Case Western University
- 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 Candidate, Jefferson University
- Tahir Jamil (BS 2005): University of Toledo College of Medicine; Surgeon, ProMedica Physicians, Ohio
- Erin Reigh (BS 2004; MS 2006): Georgetown Medical School; 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): Senior Sustainability Consultant at DNV GL - Energy, 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 [\[link\]](#)
- 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>
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2018-S	ENVS-150 Nature of Earth	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>2012-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</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)	
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>

## 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 establishing and serving as the inaugural chair of the *Department of Environmental Science*, serving on the University Senate, *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, Executive Director of the *Center for Teaching, Research & Learning*, and volunteering as coach of a local high school *Ocean Sciences Bowl* team.

(D = Department.; C = College; U = University, P = Professional, O = Outreach)

### 2020-2021

- (U) Participant, Stakeholders Meeting with firm carrying out search for Librarian
- (U) Member (ex-officio), AU Senate Committee on Scholarship
- (U) Panelist, Faculty Mentorship: How to Find and Develop a Mentor/Mentee Relationship, Office of Merit Awards
- (D) Mentor, Junior Faculty Mentoring (Michael Alonzo, Valentina Aquila, Jessica Gephardt and Sauleh Siddiqui)

### 2019-2020

- (U) Interview Panelist, UK Scholarships Nominations Process, Office of Merit Awards
- (U) Reviewer, Faculty Research Support Grants
- (U) Member, AU Honors Student Selection Committee
- (U) Member, Student Academic Achievement Awards Selection Committee
- (U) Member, Sustainability Advisory Committee (Strategic Planning)
- (U) Stakeholder Committee, Vice President and Chief Information Officer (CIO) Search
- (U) Stakeholder Committee, Vice Provost and Chief Online Officer (VP/COO) Search
- (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) Session Organizer, University Leadership Retreat Planning
- (U) Member, AU ADVANCE NSF Grant Proposal Steering Committee
- (U) Member, Online Learning Leadership Council
- (U) Member, FARS Alternate Solutions
- (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) Member, Web Steering Committee
- (U) Member, Advisory Committee on Centers and Research

- (U) Member, Core Team for the Strategic Imperative on Graduate, Undergraduate, and Professional Study
- (U) Member, The Future of Research and Learning Work Stream (Strategic Plan)
- (U) Member, Online Learning Leadership Council
- (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, Tenure Track Faculty Search Committee
- (D) Member, Rank & Tenure Committee
- (D) Member, ENVS Program Assessment Committee
- (D) Member, *Ad Hoc* Term Promotion File Review Committee
- (D) Mentor, Junior Faculty Mentoring (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)

#### 2018/19

- (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*
- (D) Member, Tenure-track faculty search committee, Department of Environmental Science
- (D) Mentor, CAS Junior Faculty Mentoring Program (Michael Alonzo, Valentina Aquila, Karen Knee)

#### 2017/18

- (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
- (C) Member, Search Committee – Associate Dean for Research, CAS
- (C) Steering Committee, *Optics Olympiad* (part of G. Harry’s NSF Career Grant)



- (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*

2016/17

- (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
- (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

2015/16

- (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 and Learning, Noontime Conversation Event
- (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

2014/15

- (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*

2014/13 (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

2013/12

- (U) Member, Fulbright & Udall Scholars Selection Committee
- (U) Member, Earth Week Planning Committee
- (U) Member, Sustainability Project Team
- (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

2012/11

- (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)  
<http://www.bbc.com/travel/blog/20120802-travellers-impact-on-coral-reefs>

2011/10

- (U) Co-Chair, 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) Member, Faculty Search (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)

2010/09

- (U) Co-Chair, Departmental 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) Member, Environmental Science Faculty Search - Climate Change
- (D) Co-Chair, Environmental Science Faculty Search - Wetlands
- (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)

2009/08

- (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) Chair, Faculty Search (Wetlands Ecologist), 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

2008/07

- (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, Depart 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) Member, Faculty Search (Cell Biology), Department of Biology
- (D) Member, Rank & Tenure Committee
- (O) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (Washington DC)

2007/06

- (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) Member, Cell Biology Search Committee, Department of Biology
- (D) Member, ENVS Undergraduate Committee

- (D) Internship Coordinator
- (D) Webmaster, Biology and Environmental Studies
- (D) Member, ENVS PhD Committee
- (D) Member, Faculty Search (Environmental Policy), School for International Service
- (O) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (Washington DC)

2006/05

- (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

2005/04

- (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)

2004/03

- (U) Faculty Sponsor, *Chesapeake Bioneers* Conference
- (U) Member, Fulbright Selection Committee
- (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



*2003/02*

- (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

*2002/01*

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

*2001/00*

- (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
- (D) Director, Environmental Studies Program

## **J. CERTIFICATIONS**

- (11/1987) Open Water Diver, PADI
- (06/1995) NITROX Diver, IANTD
- (09/2018) Local Weightlifting Competition Referee, USA Weightlifting
- (07/2019) Facilitator, Intercultural Development Inventory
- (10/2019) Olympic Weightlifting Coach – Level 1, USA Weightlifting