

# KIHO KIM, PhD

## *Curriculum Vitae*

### A. PERSONAL INFORMATION

Department of Environmental Science  
American University, Washington DC 20016-8007  
v. 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

2015 –            Professor, Department of Environmental Science, AU  
2015 –            Chair, Department of Environmental Science, AU  
2014 –            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 –            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

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–            Member, Editorial Board, *Coral Reefs*  
2013–            Pool of Experts, Regular Process – United Nations [World Ocean Assessment](#) (co-author, Chapter 25 Marine Debris; reviewer, Chapter 20 Land-Based Inputs)  
2013 –            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, 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 and 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  
 2007 – 2008 Member, Board of Trustees, *Southeastern Universities Research Association*

## E. PUBLICATIONS

**Summary: 35 Journal Articles; 6 Book Chapters; 2 Report; 3 Conference Proceedings; 1 Book Review.**

**Total number of citations = 3,397; h-index = 25 (as of 6/6/16, [Google Scholar Profile](#))  
 (\*graduate student, \*\*undergraduate student, §corresponding author)**

### i. Journal Articles

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* doi: 10.1038/ismej.2015.71 [[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 DOI:10.3354/meps11270 [[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* DOI: 10.1111/mms.12166 [[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**<sup>§</sup> (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**<sup>§</sup> (2007). The 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 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** (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. **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) 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](#)]
4. **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](#)]
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) 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. Report

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 kuna*. *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

### i. Funded

- 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-I, \$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-I, \$11,693)

- 2002 NOAA – National Undersea Research Center, *Impact of Aspergillosis of Sea Fan Corals in the Florida Keys*, Rapid Response Support (Co-I, ~\$6,000 in diving and other on-site logistic support)
- 2000 NOAA – National Undersea Research Center, *Aspergillosis of sea fans in the Florida Keys: Disease Resistance and Spread* (Co-I, ~ \$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 Aspergillosis* (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

### *Awards:*

- 1 Boren Scholarship [\[link\]](#)
- 2 Carnegie Endowment Junior Fellowship Program - Finalist [\[link\]](#)
- 3 Critical Languages Scholarship [\[link\]](#)
- 4 EPA Greater Research Opportunity Scholarship [\[link\]](#)
- 5 Fulbright Scholar [\[link\]](#)
- 6 Fulbright Canada – Killam Fellowship [\[link\]](#)
- 7 Fulbright – Summer Institute [\[link\]](#)
- 8 Fulbright Scholar - Finalist
- 9 NOAA Hollings Scholarship [\[link\]](#)
- 10 NSF Graduate Research Fellowship [\[link\]](#)

**Current Graduate Students:** John Doherty (MS), Jon Cybulski (MS)

### *Past Students and Current Position*

- Jon Cybulski (MS 2016): PhD Candidate, University of Hong Kong
- Susie Vulpas (MS 2015)<sup>1,3,5</sup> Fulbright Scholar (Indonesia)
- Charise Johnson (MS 2014), Research Associate, Union of Concerned Scientists
- Vince Bacalan (MS 2013), Environmental Protection Specialist, US-EPA Headquarters
- Kate Pinkerton (MS 2012), Environmental Scientist, US-EPA Region 9
- 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), Georgetown Medical School; Allergy & Immunology Fellow - Washington University; Faculty, Dartmouth College.
- David Baker (MS 2003), PhD Cornell University; Assistant Professor, University of Hong Kong
- Katherine Bruce (MS 2003), Environmental Protection Specialist, US-EPA Headquarters

**Current Undergraduate Students:** Sergio Morales (BS), Caroline Vill (BS)<sup>6,9</sup>, Carly LaRoche (BS)<sup>6,9</sup>, Benjamim Goldstein (BS)<sup>7</sup>, Alex Morris (BS)

### *Past Students and Current Position*

- Kelly Donovan (BS 2016): MS Candidate, University of Queensland, Australia
- Daniel Pasquale<sup>4</sup> (BS 2015): MS Candidate, Massachusetts Institute of Technology
- Meaghan Cuddy<sup>8</sup> (BS 2015): MS Candidate, University of Texas - Austin
- Tasia Poinsette<sup>2,9</sup> (BA 2014): Director of Project FE: Fostering Education
- Kathryn Meyer<sup>9</sup> (BS 2014): MS University of Michigan; EPA-ORISE Fellow IL
- Alyssa Frederick<sup>5,10</sup> (BS 2013): Fulbright Scholar (New Zealand); PhD Candidate, University of California - Irvine
- Stevia Morawski (BA 2013): MS Candidate, University of Michigan
- Gabby Labove (BS 2013): Howard College of Medicine
- Debra Frantz (BA 2011): MS California State University - Long Beach; PA Candidate, Midwestern University
- Kate Pinkerton (BS 2010), MS American University; Environmental Scientist, US-EPA Region 9
- My Nguyen (BS 2009): PhD Candidate, Case Western University
- Jaime Fultz (BS 2008)
- Walker Timme (BS, 2007): MS American University; Teacher, Raymond Education Campus
- Carey Myers (BS 2005)<sup>5</sup>: MD/PhD Candidate, Jefferson University
- Tahir Jamil (BS 2005): University of Toledo College of Medicine; Surgical Resident, University of Toledo Medical Center; Surgeon, OH
- Erin Reigh (BS 2004), MS American, Allergy & Immunology Fellow, Washington University; Allergy Specialist, MA.
- Mike Dema (BA 2002), Assistant City Attorney, St. Petersburg FL
- Kara Shuster (BS 2002), MS Bren School for the Environment; Senior Sustainability Consultant at DNV GL - Energy

## H. TEACHING

### i. Courses Taught (**bold** indicates new course preparations = 22)

<i>Semester</i>	<i>Course (credit hours)</i>	<i>Enrollment</i>
<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

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

2015/16

- (O) Member, Environmental Literacy Advisory Committee of the Office of the State Superintendent of Education, DC
- (U) Member, AU Presidential Search Committee
- (U) Panel Member, Teaching First Year Students: Challenges and Opportunities (CTRL Event)
- (D) Chair, Tenure-Track Search Committee, ENVS
- (D) Chair, Department of Environmental Science
- (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
- (C) Member, CAS PhD Program Development Committee
- (P) Member, Editorial Board, *Coral Reefs*
- (P) Recording Secretary, *International Society of Reef Studies*

2014/15

- (D) Chair, Department of Environmental Science
- (D) Member, ENVS Cluster Faculty Search
- (C) Speaker, Multicultural Overnight Event
- (U) Director, AU Scholars Program
- (U) Co-Lead, Environmental and Sustainability Collaborative Faculty Research Retreat
- (P) Member, Editorial Board, *Coral Reefs*
- (P) Recording Secretary, *International Society of Reef Studies*

2014 (*Sabbatical, Spring 2014*)

- (D) Member, Rank & Tenure Committee
- (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*
- (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

- (D) Member, Rank & Tenure Committee
- (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)
- (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

- (D) Member, Rank & Tenure Committee
- (U) Member, Executive Search (Directors of Athletics), Department of Athletics and 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)
- (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

- (D) Chair, ENVS Undergraduate Program
- (D) Co-Chair, Faculty Search (Ecohydrology), Department of Environmental Science
- (D) Member, Faculty Search (Experimental Physics), Department of Physics
- (D) Member, Rank & Tenure Committee
- (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)
- (P) NSF Review Panel, NSF-NIH *Emerging Infectious Diseases*
- (O) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (Washington DC)

#### 2010

- (D) Member, Environmental Science Faculty Search - Climate Change
- (D) Co-Chair, Environmental Science Faculty Search - Wetlands
- (D) Chair, Environmental Science Undergraduate Program
- (D) Chair, Environmental Science PhD Program Exploration Committee
- (D) Member, Rank & Tenure Committee
- (C) Member, Educational Programing Committee
- (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)
- (P) NSF Review Panel: NSF-NIH *Emerging Infectious Diseases*
- (O) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (DC)

#### 2009

- (D) Chair, Faculty Search (Wetlands Ecologist), Department of Environmental Science
- (D) Chair, Environmental Science PhD Program Exploration Committee
- (D) Member, Rank & Tenure Committee
- (C) Member, Educational Programing Committee
- (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)
- (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

- (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
- (C) Moderator, CAS Student Research Conference
- (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
- (O) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (Washington DC)

#### 2007

- (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
- (C) Speaker, College Success Foundation Lecturer, School of Education, Teaching & Health
- (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
- (O) Volunteer Coach, Ocean Sciences Bowl Team, Woodrow Wilson HS (Washington DC)

#### 2006

- (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
- (C) Member, Educational Programing Committee - Research Committee
- (C) Speaker, Graduate Open House
- (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

*2005*

- (D) Director, Environmental Studies Program
- (D) Undergraduate Advisor, Environmental Studies Program
- (D) Webmaster, Environmental Studies Program
- (C) Member, Budget Advisory Committee
- (C) Member, Educational Programing Committee - Research Committee
- (C) Member, Ad Hoc Academic Integrity Review Panel
- (U) Faculty Advisor, AU Lady Eagles Ice Hockey Club Team
- (U) Building Representative, Emergency Evacuation Plan
- (U) Member, Athletic Advisory Committee
- (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*

- (D) Director, Environmental Studies Program
- (D) Webmaster, Environmental Studies Program
- (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
- (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

*2003*

- (D) Webmaster, Environmental Studies Program
- (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

*2002*

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

*2001*

- (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) Director, Environmental Studies Program
- (C) Member, Technology Committee
- (C) Member, Ad Hoc Academic Integrity Review Panel

*2000*

- (D) Member, Faculty Search (Molecular Genetics), Department of Biology