

Kimberly L. Jones
Department of Civil and Environmental Engineering
Howard University
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Professional Preparation:

Howard University	Civil Engineering,	B.S.	1990
University of Illinois at Urbana-Champaign	Environmental Engineering,	M.S.	1992
The Johns Hopkins University	Environmental Engineering,	Ph.D.	1996

Appointments:

2016 – present	Associate Dean for Research and Graduate Education (Acting), College of Engineering and Architecture, Howard University
2010 – present	Chair, Dept of Civil and Environmental Engineering, Howard University
2008 – present	Professor, Dept. of Civil Engineering, Howard University
2002 – 2008	Associate Professor, Dept. of Civil Engineering, Howard University
1996 - 2002	Assistant Professor, Dept. of Civil Engineering, Howard University
1988, 1990	Intern, CH2M Hill, Water Treatment Division, Herndon, VA

Products:

Ten recent publications:

1. Fennell, Y., Ymele-leki, P., Adegboye, T., Jones, K., “Impact of Sulfidation of Silver Nanoparticles on Established *P. aeruginosa* Biofilm”, *Journal of Biomaterials and Nanobiotechnology*, 8, pp. 83-95 (2017).
2. Igbigin, E., Liu, Y., Malaisamy, R., Jones, K., and Morris, V., “Graphene Oxide Functionalized Polyethersulfone Membrane to Reduce Organic Fouling”, *Journal of Membrane Science*, vol 514, pp. 518 – 526. <http://dx.doi.org/10.1016/j.memsci.2016.05.024> (2016)
3. Mancell-Egala, A., Kinnear, D., Jones, K., De Clippeleir, H., Takacs, I., and Murthy, S. “Limit of Stokesian Settling Concentration Characterizes Sludge Settling Velocity”, *Water Research*, DOI 10.1016/j.watres.2015.12.007 (2015)
4. Hochella, M., Spencer, M., and Jones, K., “Nanotechnology: Nature’s Gift or Man’s Brainchild?” *Environmental Science: Nano*, (2014) DOI 10.1039/C4EN00145A.
5. R. Malaisamy, Lepak, L., Spencer, M., and Jones, K., “Surface modification of porous alumina membranes by collagen layers: performance and characterization”, *Separation and Purification Technology*, 113, pp. 114-122 (2013).
6. N. Armstrong, M. Ramamoorthy, D. Lyon, K. Jones, A. Duttaroy, “Mechanism of Silver Nanoparticles Action on Insect Pigmentation Reveals Intervention of Copper Homeostasis,” *PLOS ONE*, vol. 8, #1 (2012) pp. 1 – 9 (e53186).
7. F. Diagne, R. Malaisamy, V. Boddie, R. Holbrook, B. Eribo and K.L. Jones., “Polyelectrolyte and silver nanoparticle modification of microfiltration membranes to mitigate organic and bacterial fouling,” *Environmental Science and Technology* (2012), v. 46, pp. 4025 – 4033.
8. S. Lin, Y. Cheng, Y. Bobcombe, K. Jones, J. Liu, and M. Wiesner, “Deposition of silver nanoparticles in geochemically heterogeneous porous media: Predicting affinity from surface composition analysis,” *Environmental Science and Technology*, v. 45 (2011) pp. 5209 – 5215.
9. R. Malaisamy, Talla-Nwafo, Al, and Jones, K., “Polyelectrolyte modification of nanofiltration membranes for selective removal of monovalent anions”, *Separation and Purification Technology*, v.

77 (2011) pp. 367 – 374.

10. M. Wiesner, G. Lowry, K. Jones, M. Hochella Jr., R. DiGuilio, E. Casman, and E. Bernhardt, "Decreasing Uncertainties in Assessing Environmental Exposure, Risk and Ecological Implications of Nanomaterials," *Environ. Sci. Technol.* (2009), v. 43, pp. 6458 - 6462.

Awards and Honors:

Outstanding Service Award, Association of Environmental Engineering and Science Professors
Outstanding Young Civil Engineer Award, University of Illinois
Leadership and Faculty Service Award, College of Engineering, Architecture and Computer Sciences
Honored as one of the "30 Women to Watch" by Essence Magazine
Named one of the "Top Women in Science" by the National Technical Association
Certificate of Merit - Presentation at 212th ACS Conference Tau Beta Pi Engineering Honor Society
CAREER Award, National Science Foundation

Synergistic Activities:

1. Chartered Board Member, Scientific Advisory Board, Environmental Protection Agency, 2011-2017
2. Chair of EPA's Drinking Water Committee, 2012 – present
3. Liaison to National Drinking Water Advisory Committee, 2012 – present.
4. Board member, Water Science and Technology Board of National Research Council, 2006 – 2012
5. Deputy Director of Keck Center for the Design of Nanoscale Materials for Molecular Recognition (2003 – 2005) and Director, Minority Summer Research Program for Nanobiotechnology Center, 2003 – 2004
6. Board member of Association of Environmental Engineering and Science Professors, 2003 – 2006
7. Associate Editor, ASCE Journal of Environmental Engineering, 2004 – 2008
8. Review of New York City DEP's Operations Support Tool, 2016 - 2018
9. Review of EPA STAR Program Committee, National Academies of Science, 2015 – 2017
10. Pueblo Chemical Agent Destruction Pilot Plant (PCAPP) Committee, Board on Army Science and Technology, National Academy of Science, 2012 – 2013
11. Blue Grass Chemical Agent Destruction Pilot Plant (BCGAPP) Committee, Board on Army Science and Technology, National Academy of Science, 2012
12. Blue Water Navy Vietnam Veterans and Agent Orange Exposure Committee, Institute of Medicine, National Research Council, 2011.
13. Models in Environmental Regulatory Decision Making Committee, Board on Environmental Studies and Toxicology, Report to the National Research Council, 2007.
14. Advancing Desalination Technology Committee, Water Science and Technology Board, National Academy of Science, 2007.
15. Review of Desalination and Water Purification Technology Roadmap Committee, Water Science and Technology Board, National Academy of Science, 2004.

Advisees: Students: 18, Postdoctoral Scholars: 5