

Kayleigh A. Millerick

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EDUCATION

- Ph.D. **Environmental Engineering**, University of Illinois at Urbana-Champaign (Urbana, IL), January 2014
- M.S. **Environmental Engineering**, University of Illinois at Urbana-Champaign (Urbana, IL), December 2009
- B.S. **Environmental Engineering and Civil Engineering (dual degree)**, *Magna Cum Laude*, Florida State University (Tallahassee, FL), May 2007

EXPERIENCE

- Assistant Professor**, Department of Civil and Environmental Engineering, Texas Tech University (Lubbock, TX) 2015
to present
- Postdoctoral Research Associate**, Department of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign (Urbana, IL) 2014
- Site Manager**, Petroleum Cleanup 1, Division of Waste Management, Florida Department of Environmental Protection (Tallahassee, FL) 2006-2007

PROFESSIONAL AFFILIATIONS

- Association of Environmental Engineering & Science Professors (AEESP, 2013 to present)
- American Water Works Association (AWWA, 2014 to present)
- American Chemical Society (ACS, 2010 to present)
- American Society of Microbiology (ASM, 2008 to present)
- American Society of Civil Engineers (ASCE). Student (2004-2007) and associate (2015-present).

FELLOWSHIPS

- 2010 EPA Science to Achieve Results (STAR) Fellow**, *Biological Regeneration of RDX-Contaminated Granular Activated Carbon (GAC) using Extracellular Electron Shuttling Compounds*.
- 2007 US Dept. of Education Graduate Assistantship in Areas of National Need (GAANN) Fellow**

RECENT PUBLICATIONS

1. Kwon, M.J.; Wei, N.; Millerick, K.A.; Popovic, J.; Finneran, K.T. "Clostridium geopurificans Strain MJ1 sp nov., A Strictly Anaerobic Bacterium that Grows via Fermentation and Reduces the Cyclic Nitramine Explosive Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)." *Current Microbiology* **2014**, 68, 743-750.
2. Reinauer, K.M.; Popovic, J.; Millerick, K.A.; Weber, C.D., K.A.; Kwon, M.J.; Wei, N.; Finneran, K.T. "*Hydrogenophaga carboriunda* sp. nov., a tertiary butyl alcohol-oxidizing, psychrotolerant aerobe derived from granular activated carbon (GAC)." *Current Microbiology* **2014**, 68, 510-517.
3. Millerick, K.A.; Drew, S.R.; Finneran, K.T. "Electron Shuttle-Mediated Biotransformation of RDX Adsorbed to Granular Activated Carbon (GAC)." *Environmental Science & Technology* **2013**, 47, 8743-8750.