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### Education

Ph.D. Student            2017 - current, Crop and Soil Environmental Sciences, Virginia Tech, Blacksburg, VA.  
M.S.                        2016, Freshwater Science and Technology, University of Wisconsin – Milwaukee, Milwaukee, WI.  
B.S.                        2012, Environmental Biology, University of Wisconsin – La Crosse, La Crosse, WI.

### Publications

Welti N, Striebel M, Ulseth, AJ, Cross, WF, **DeVilbiss SE**, and others. 2017. Bridging food webs, ecosystem metabolism, and biogeochemistry using ecological stoichiometry theory. *Front. Microbiol*, 8; 1-14.  
**DeVilbiss SE**, Zhou Z, Klump V, Guo L. 2016. Abundance, composition, and spatiotemporal variations of bulk and chromophoric DOM in seasonally hypoxia-influenced Green Bay, Lake Michigan. *Sci Total Environ*, 565; 742-757.  
**DeVilbiss SE**, Guo L. 2016. Characterizations and yields of DOM and nutrients from invasive quagga mussels in Lake Michigan. *J Great Lakes Res*, 43(3); 79-89.

### Conference Presentations

**DeVilbiss SE**, Badgley BD, Steele MK (2019) Freshwater salinization impacts on bacterial ecology: quantity, quality, or both? *VA Tech IGC Graduate symposium*, Blacksburg, VA, USA.  
**DeVilbiss SE**, Badgley BD, Steele MK (2018) Effects of base cations on fecal indicator persistence and bacterial community structure. *American Geophysical Union Fall Meeting*, Washington DC, USA.  
**DeVilbiss SE**, Badgley BD, Steele MK (2018) Effects of base cations on fecal indicator persistence and bacterial community structure. *Virginia Branch American Society of Microbiology Annual Meeting*, Radford, VA, USA.  
**DeVilbiss SE**, Badgley BD, Steele MK (2018) Interactions between dissolved ions and fecal indicators. *UNC Water Microbiology Conference*, Chapel Hill, NC, USA.  
**DeVilbiss SE**, Badgley BD, Steele MK (2018) Base cations as drivers of bacterial water quality impairment. *VA Tech IGC Graduate Symposium*, Blacksburg, VA, USA.  
**DeVilbiss SE**, Guo L (2016) Characterization and yields of nutrients and organic matter excreted from invasive quagga mussels in Lake Michigan. *Association for the Sciences of Limnology and Oceanography Summer Conference*, Santa Fe, NM, USA.  
**DeVilbiss SE**, Zhou Z, Klump V, Guo L (2015) Abundance, composition, and spatiotemporal variations of bulk and chromophoric DOM in seasonally hypoxia-influenced Green Bay, Lake Michigan. *Society of Freshwater Sciences Meeting*. Milwaukee, WI, USA.

- Teber T, **DeVilbiss SE**, Zhou Z, Lin P, Guo L (2015) Composition and fluxes of dissolved organic matter from the lower Milwaukee River. *Society of Freshwater Sciences Meeting*. Milwaukee, WI, USA.
- Garcia A, Al-Wathiqui M, Krukowski K, Field-Sommers L, Teber T, Neureuther N, **DeVilbiss SE**, Schierenbeck T (2015) Development of an integrated metric index (IMI) for Hawaiian stream ecosystems. *Society of Freshwater Sciences Meeting*. Milwaukee, WI, USA.
- Krukowski K, Garcia A, Field-Sommers L, Al-Wathiqui M, **DeVilbiss SE**, Schierenbeck T, Neureuther N, Teber T (2015) Tracing Hawaiian stream hydrochemistry across an extreme precipitation gradient. *Society of Freshwater Sciences Meeting*. Milwaukee, WI, USA.

### **Awards**

- Presentation Award 2019 Virginia Tech School of Plant and Environmental Sciences poster presentation competition (1<sup>st</sup> place)
- Presentation Award 2019 Virginia Tech Interfaces of Global Change symposium (3<sup>rd</sup> Place)
- Presentation Award 2018 Virginia Branch American Society of Microbiology Annual Meeting

### **Fellowships**

- 2018 - current Interfaces of Global Change Ph.D. Fellow, Virginia Tech

### **Professional/ Research Experience**

- 2017- Research Assistant, Virginia Tech, School of Plant and Environmental Sciences, Blacksburg, VA.
- 2016-2018 Water Quality Monitoring and Assessment Scientist, VA Department of Environmental Quality, Virginia Beach, VA.
- 2015 Research Volunteer, United States Department of Agriculture Forest Service. Hilo, HI.
- 2013-2016 Research Assistant, UW-Milwaukee, School of Freshwater Sciences. Milwaukee, WI.
- 2012-2013 GIS Intern, United States Geological Survey. La Crosse, WI.

### **Teaching Experience**

- 2020 Graduate Teaching Assistant, Environmental Microbiology, Virginia Tech, Blacksburg, VA.
- 2019 Graduate Teaching Assistant, Fundamentals of Environmental Science, Virginia Tech, Blacksburg, VA.
- 2015 Graduate Teaching Assistant, Aquatic Organic Biogeochemistry, University of Wisconsin – Milwaukee, School of Freshwater Sciences. Milwaukee, WI.