

Biographical Sketch

Jason R. Vogel

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A. PROFESSIONAL PREPARATION

University of Nebraska	Lincoln, NE	Biological Systems Engineering	B.S., 1995
Texas A&M University	College Station, TX	Agricultural Engineering	M.S., 1997
Oklahoma State University	Stillwater, OK	Biosystems Engineering	Ph.D., 2001

B. APPOINTMENTS

2017-present Director, Oklahoma Water Survey, University of Oklahoma
2017-present Associate Professor, Civil Engineering and Environmental Science, University of Oklahoma
2017-present Adjunct Associate Professor, Biosystems and Agricultural Engineering, Oklahoma State University, Stillwater, OK
2014 – 2017 Associate Professor and Stormwater Specialist, Biosystems and Agricultural Engineering, Oklahoma State University, Stillwater, OK
2009 – 2014 Assistant Professor and Stormwater Specialist, Biosystems and Agricultural Engineering, Oklahoma State University, Stillwater, OK
2009 – 2014 Adjunct Associate Professor, Biological Systems Engineering, University of Nebraska-Lincoln, Lincoln, NE
2008 – 2009 Research Hydrologist, United States Geological Survey, Lincoln, NE
2002 – 2008 Hydrologist, United State Geological Survey, Lincoln, NE
1997 – 2002 Research Engineer, Biosystems and Agricultural Engineering, Oklahoma State University, Stillwater, OK

C. PRODUCTS

(i) Most Closely Related to the Proposed Project

1. Youngblood, S., **Vogel, J.R.**, Brown, G.O., Storm, D.E., McLemore, A., & Kandel, S. 2017. Field Studies of Microbial Removal from Stormwater by Bioretention Cells with Fly-Ash Amendment. *Water*. 9 (7):526. <http://www.mdpi.com/2073-4441/9/7/526>
2. **Vogel, J.R.**, T.L. Moore, R.R. Coffman, S.N. Rodie, S.L. Hutchinson, K.R. McDonough, A.J. McLemore, and J.T. McMaine. 2015. Critical Review of Technical Questions Facing Low Impact Development and Green Infrastructure: A Perspective from the Great Plains. *Water Environment Research*. 87(9):849-862. (invited critical review)
<http://www.ingentaconnect.com/contentone/wef/wer/2015/00000087/00000009/art00010?crawler=true&mimetype=application/pdf>
3. Graves, G.M., **J.R. Vogel**, J.B. Belden, and E.J. Rebeck. 2014. Investigation of Insecticide Leaching from Potted Nursery Stock and Aquatic Health Benefits of Bioretention Cells Receiving Nursery Runoff. *Environmental Science and Pollution Research*, 22:8801-8811.
<https://link.springer.com/article/10.1007%2Fs11356-014-2816-9>

4. **Vogel, J.R.**, J.E. Gilley, G.L. Cottrell, B.L. Woodbury, E.D. Berry, and R.A. Eigenberg, 2011. Transport of Trace Elements in Runoff from Unamended and Pond-ash Amended Feedlot Surfaces. *Transactions of the ASABE*. 54(4):1269-1279. <http://digitalcommons.unl.edu/biosysengfacpub/324/>
5. **Vogel, J.R.**, M.S. Majewski, and P.D. Capel. 2008. Pesticides in Rain in Four Agricultural Watersheds in the United States. *Journal of Environmental Quality* 37:1101-1115. <https://dl.sciencesocieties.org/publications/jeq/articles/37/3/1101>

(ii) *Other Significant Products*

1. **Vogel, Jason Robert**, Daniel Eugene Storm, Billy J. Barfield, Wayne Ray Kiner, Karl Michael Garbrecht. Patent Number US9868648B2: Passive Chemical Dosing and Mixing Apparatus and Method. <https://patents.google.com/patent/US9868648B2/en> Granted January 16, 2018.
2. Kandel, S., **J.R. Vogel**, C. Penn, and G.O. Brown. 2017. Phosphorus Retention by Fly Ash Amended Filter Media in Aged Bioretention Cells. *Water* 9(10):746. <http://www.mdpi.com/2073-4441/9/10/746>
3. **Vogel, J.R.**, Jingrang Lu, Dale Griffin, Hon Ip, M.T. Moser, Hodon Ryu, Nicholas Ashbolt, and J.W. Santo Domingo. 2013. Impacts of Migratory Sandhill Cranes (*Grus canadensis*) on Microbial Water Quality in the Central Platte River, Nebraska, USA. *Water, Air, and Soil Pollution*. 226(6):1576. <https://link.springer.com/article/10.1007%2Fs11270-013-1576-3>
4. **Vogel, J.R.**, D.M. Stoeckel, R.A. Lamendella, R.B. Zelt, J.W. Santo Domingo, S.R. Walker, and D.B. Oerther. 2007. Identifying Fecal Sources in a Selected Catchment Reach Using Multiple Source-Tracking Tools. *Journal of Environmental Quality*, 36(3): 718-729, plus 4 p. online supplemental <https://dl.sciencesocieties.org/publications/jeq/articles/36/3/718>
5. **Vogel, J.R.**, J.D. Frankforter, D.L. Rus, C.M. Hobza, and M.T. Moser, 2009. Water Quality of Combined Sewer Overflows, Stormwater, and Streams, Omaha, Nebraska, 2006-2007. U.S. Geological Survey Scientific Investigations Report 2009-5175, 152 p. <https://pubs.usgs.gov/sir/2009/5175/pdf/SIR2009-5175.pdf>

D. SYNERGISTIC ACTIVITIES

- Director of the Oklahoma Water Survey, providing leadership for water solutions to Oklahoma's water challenges (2017-present)
- Co-organizer of the "Smart Stormwater" Symposium held in Quebec City in June 2017, sponsored by the Water Environment Federation
- Founder and Lead Organizer of the Biennial Great Plains Low Impact Development Research and Innovation Symposium (2014, 2016, 2019)
- American Society of Agricultural and Biological Engineers (ASABE) committee chair for Ecological Engineering (2011), Extension Education (2014), and Streams, Floodplains, and Wetlands committees (2018-18)
- Study section lead for the USGS NAWQA Agricultural Chemical Transport Team in the Central Nebraska Basins (2002-2009)