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Director, Kentucky Water Resources Research Institute
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Professional Preparation

University of Kentucky	Civil Engineering B.S.C.E.	1978
Virginia Tech	Civil Engineering M.S.	1979
Purdue University	Civil Engineering PhD.	1983

Appointments

2011 - Present	Director, Kentucky Center for Excellence for Watershed Management
2005 – Present	Associate Director, UK Superfund Research Center
2004 – Present	Director, Kentucky Water Resources Research Institute
2003 – Present	Raymond Blythe Endowed Professor of Civil Engineering
2003 – 2009	Director, Kentucky Research Consortium for Energy and the Environment
2004 – 2007	Chair, Kentucky Environmental Quality Commission
2003 – Present	Director, Research Translation Core, UK Superfund Research Center
2001 – 2002	Director, UK Tracy Farmer Center for the Environment
1999 – 2004	Kentucky River Basin Coordinator
1999 – 2001	Associate Director, Kentucky Water Resources Research Institute
1997 – 1998	Visiting Researcher – Kentucky Environmental Protection Agency
1996 – 2003	Full Professor of Civil Engineering, University of Kentucky
1989 – 1996	Associate Professor of Civil Engineering, University of Kentucky
1983 – 1989	Assistant Professor of Civil Engineering, University of Kentucky
1979 – 1981	Project Engineer, Howard K. Bell Consulting Engineers

Professional Licensure

Registered Professional Engineer: Kentucky (21484)
Registered Professional Hydrologist: American Institute of Hydrology (1552)

Honors and Awards

ASCE Julian Hinds Award
ASCE Service to the Profession Award
Fellow, ASCE Environmental and Water Resources Institute
Fellow, American Society of Civil Engineers
Diplomate: American Academy of Water Resource Engineers
Virginia Tech Dept of Civil Engineering Hall of Distinguished Alumni

Selected Publications: Google Scholar (2828 citations) H-index (27) i10-index (48)

Islam, S., Hernández, S., Wan, H., Ormsbee, L., Bhattacharyya, D. (2018) “Role of membrane pore polymerization conditions for pH responsive behavior, catalytic metal nanoparticle Synthesis, and PCB degradation: Journal of Membrane Science, Vol 555, No. 1, pp 348-361. <https://doi.org/10.1016/j.memsci.2018.03.060>

- Ormsbee, L., Albritton, B., White, E., Peterson, K. (2017) "Disaggregated Streamflow Approach for Improving Water Quality Modeling," *ASCE Journal of Hydrologic Engineering*, Volume 22, Issue 4.
- Coyle, E., Ormsbee, L., Brion, G., (2014) Peracetic Acid as an Alternative Disinfection Technology for Wet Weather Flows, *WEF Water Environment Research* Vol. 86 (8), pp.675-686
- Ormsbee, L., Kipp, J., Hoover, A., (2014) "Stakeholder Engagement in Public Natural Resource Management," Proceedings, iEMS, San Diego, CA, July 15-19, 2014.
- Ormsbee, L., Kipp, J., Albritton, B., (2014) Community Visions for Floyds Fork Watershed, Kentucky Water Resources Research Institute, University of Kentucky, Lexington KY 40506, June 2014.
- Ormsbee, L., and McAlister, (2013) M. Watershed Management Activities in the Kentucky River Basin, *ASCE Journal of Water Resources Planning and Management*, 10.1061/(ASCE)WR.1943-5452.0000398.
- Hennig, B., Ormsbee, L., McClain, C., Watkins, B., Blumberg, B. Bachas, L., Sanderson, W., Gatchett, A, Lambert, J, Thompson, C., Suk, W. (2012) "Nutrition Can Modulate the Toxicity of Environmental Pollutants: Implications in Risk Assessment and Human Health", *Environmental Health Perspectives*, Vol. 120, (6), pp. 771-774.
- Ormsbee, et. al., Community Visions for the Paducah Gaseous Diffusion Plant, (2007) KRCEE 11-02, March 2011 2007, 447 pp.
- Ormsbee, L, and Lingireddy, S., (1997) "Calibrating Hydraulic Network Models," *Journal of the American Water Works Association*, Vol 89, (2), pp 42-50. [Best paper award – 1997]
- Ormsbee, L.E., and Lansey, K.E., (1994) "Optimal Control of Water Supply Pumping," *ASCE Journal of Water Resources Planning and Management*, Vol. 120, (2), pp. 237-252.
- Ormsbee, L.E. and Kessler, A., (1990) "Optimal Upgrading of Hydraulic Network Reliability," *ASCE Journal of Water Resources Planning and Management*, Vol. 116 (6), pp. 784-802.
- Ormsbee, L.E. and Khan, A.Q., (1989) "A Parametric Model for Steeply Sloping Forested Watersheds," *Water Resources Research*, Vol. 25 (9), pp. 2053-2065.
- Ormsbee, L.E., (1989) "Rainfall Disaggregation for Continuous Hydrologic Modeling," *ASCE Journal of Hydraulic Engineering*, Vol. 115 (4), pp. 507-528.

Funding History

Funding as PI or under control as Co-PI: \$22,740,550
 Collaborative funding: \$40,911,803

Significant Research Accomplishments

Co-developer of KYPIPE software for water distribution analysis
 Co-developer of functionalized membrane technology for water treatment
 Developer of Kentucky Nutrient Model
 Developer of integrated stakeholder engagement methodology for environmental management
 Developer of water distribution modeling research database for use by international research community
 Developer of rainfall disaggregation model incorporated into the Stormwater Management Model (SWMM)
 Developer of nonlinear optimization protocol for integration of simulation programs