

CLIFFORD B. FEDLER

Professor of Civil, Environmental and Construction Engineering
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Education

University of Illinois	Agricultural Engineering	Ph.D., 1985
Iowa State University	Agricultural Engineering	M.S., 1981
Iowa State University	Civil (Sanitary) Engineering	M.S., 1981
Iowa State University	Agricultural Engineering	B.S., 1979

Professional Experience

1996-present	Professor of Civil Engineering, Texas Tech University
2005- 2015	Associate Dean of Graduate School, Texas Tech University
2001-2003	Director, International Center for Arid and Semiarid Land Studies, Texas Tech University
1991-1996	Associate Professor of Civil Engineering, Texas Tech University
1990-1991	Associate Professor of Agricultural Engineering, Texas Tech University
1985-1990	Assistant Professor of Agricultural Engineering, Texas Tech University

Professional Activities

- Licensed Professional Engineer, Texas, 65112
- American Society of Civil Engineers - Member
- American Society of Agricultural and Biological Engineers - Member
- Water Environment Federation - Member

HONORS & AWARDS

- Engineer of the Year Award awarded by the Texas Section of the American Society of Agricultural Engineers
- TTU Dads and Moms Association Spencer A. Wells Faculty Award for Creative Teaching
- Recipient of two 1988 ASAE Top Journal Paper Award
- Halliburton Outstanding Teaching Award, Texas Tech University
- Halliburton Outstanding Researcher Award, Texas Tech University
- Top Paper Award, Gulf/Southwest Regional Conference of the ASEE, 1992

Refereed Publications

Duan, R. C. B. Fedler. 2016. A denitrification field study at a wastewater land application site. ASCE Journal of Irrigation and Drainage Engineering. Vol. 147(2). Online: DOI: 10.1061/(ASCE)IR.1943-4774.0000980, 05015011.

Duan, R. Fedler, C. B. 2015. Field study of soil TKN from land application of wastewater. Accepted for Publication in Ecological Engineering, Ref. No. ECOLENG-D-14-01293R1. Elsevier Publications.

Duan, R., and C.B. Fedler. 2013. Salt management for sustainable degraded water land application under changing climatic conditions. Environmental Science and Technology, 47(18). DOI:10.1021/es403619m.

Duan, Runbin and Clifford B. Fedler. 2011. Nitrogen and salts leaching from two typical Texas turf soils irrigated with degraded water. *Environmental Engineering Science*. 28(11):787-793.

Fedler, C., Duan, R. (2011). Biomass production for bioenergy using recycled wastewater. *Resources Conservation & Recycling*. 55(8):793-800.

Duan, R., Fedler, C.B., Sheppard, C. D. (2010). Field study of salt balance of a land application system. *Water, Air, & Soil Pollution*, 215(1-4), 43-54.

Duan, R., Fedler, C. (2010). Performance of a combined natural wastewater treatment system in West Texas, USA. *ASCE Journal of Irrigation and Drainage Engineering*, 136(3), 204-209.

Duan, R., Fedler, C., Sheppard, C. D. (2010). Nitrogen leaching losses from a wastewater land application system. *Water Environment Research*, 82(3), 227-235.

Duan, R., Fedler, C., Sheppard, C. D. (2010). Short-Term Effects of Wastewater Land Application on Soil Chemical Properties. *Water, Air, & Soil Pollution*, 211(1-4), 165-176.

Relevant Non-Refereed Technical Publications

Fedler, C.B. 2017. Water stewardship: a sustainable perspective for agriculture. ASABE Annual International Meeting. Spokane, WA. July 16-19 2017. Paper No. 1700805, DOI: <https://doi.org/10.13031/aim.201700805>. ASABE, 2950 Niles Road, St. Joseph, MI 49085-9659. USA.

Amoli, B.H. and C.B. Fedler. 2012. Carbamazepine accumulation in soil and plants following land application of wastewater. 244th ACS National Meeting. Philadelphia, Pennsylvania, August 19-23, 2012.

Fedler, C.B., *J. Littlejohn, *R. Duan, and *L. Feng. 2012. Refining the application rates for onsite surface application. Final Report for Project No. 582-9-90351. Texas Commission on Environmental Quality. Austin, TX . 15 December 2012.

Fedler, C.B., *R. Francis, *D. Parekh, and *S. Blanchet. 2012. Review of potential onsite wastewater disinfection technologies. Final Report for Project No. 582-11-11054. Texas Commission on Environmental Quality. Austin, TX. 15 December 2012.

Fedler, C.B., *B.H. Amoli, T. Anderson, and *Q. Cai. 2012. Effectiveness and utility of surface application and soil percolation for removal of pharmaceutical and personal care products. Final Report for Project No. 582-9-90351. Texas Commission on Environmental Quality. Austin, TX. 15 December 2012.

Amoli, B.H. and C.B. Fedler. 2011. Removal of PPCPs within surface application wastewater systems. ASABE Annual International Meeting, Louisville, KY. August 7-10, 2011. Paper No. 110689. ASABE, 2950 Niles Road, St. Joseph, MI 49085-9659. USA.

Duan, R. and C.B. Fedler. 2011. Mass Balance for Sustainable Nitrogen Management at a Wastewater Application Site. ASABE Annual International Meeting, Louisville, KY. August 7-10, 2011. Paper No. 1110649. ASABE, 2950 Niles Road, St. Joseph, MI 49085-9659. USA.