

CURRICULUM VITAE
Gregory K. Evanylo, Ph.D.

Current position:

Professor and Extension Specialist - Soil Environmental Quality
Department of Crop & Soil Environmental Sciences
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Area of expertise: Chemistry, bioavailability, transport, and environmental effects of nutrients, trace elements, and organic matter in residual by-products.

Academic background:

Ph.D. Agronomy, University of Georgia (1982).
M.S. Plant and Soil Sciences, University of Massachusetts (1978).
B.A. Biology, University of Connecticut (1975).

Other professional experience:

Associate Professor and Extension Specialist: Dep. of Crop and Soil Environmental Sciences, VPI&SU, Blacksburg, VA 24061; July 1, 1992 - June 30, 2001.
Assistant Professor and Extension Specialist: Dep. of Crop and Soil Environmental Sciences, VPI&SU, Blacksburg, VA 24061; September 1, 1989 - June 30, 1992.
Assistant Professor of Agronomy: Eastern Shore Agricultural Experiment Station, VPI&SU, Painter, VA 23420; June 1, 1984 - August 31, 1989.
Post-doctoral Research Associate: Department of Agronomy, University of Kentucky, Lexington, KY: May 1, 1983-May 31, 1984.

Current posts and responsibilities:

Virginia Department of Environmental Quality Biosolids Use Regulations Technical Advisory Committee member.
Virginia Department of Environmental Quality Water Reuse Regulations Technical Advisory Committee member.
W2170 Multistate Workgroup: Soil-based use of residuals, wastewater and reclaimed water; member since 1999, chair since 2007.
Soil Science Society of America Urban and Anthropogenic Soils Annual Meeting Program Chair

Membership in professional organizations:

Soil Science Society of America
American Society of Agronomy
U.S. Composting Council
Water Environment Federation

Refereed journal articles since 2005:

- Bosch, D., J. Pease, M.L. Wolfe, C. Zobel, J. Osorio, T.D. Cobb, and G. Evanylo. 2012. Community DECISIONS: Stakeholder Focused Watershed Planning. *Journal of Environmental Management*. JEMA-D-11-01954R2. 112:226-232.
- Shan, Dexin, G.K. Evanylo, and J.M. Goatley. 2012. Effects of compost sources and seeding treatments on germination and emergence of four turfgrass species. *Compost Science and Utilization*. 20:165-170.
- Zhang, X., D. Zhou, E.H. Ervin, G.K. Evanylo, D. Cataldi, and J. Li. 2012. Biosolids impact antioxidant metabolism associated with drought tolerance in tall fescue. *HortScience* 47(10):1550-1555
- Dunifon, S.N.*, G.K. Evanylo, R.O. Maguire, and J.M. Goatley, Jr.. 2011. Soil nutrient and fescue (*Festuca* spp.) responses to compost and hydroseed on a disturbed roadside. *Compost Science and Utilization* 19:147-151.
- Kostyanovskiy, K.*, G.K. Evanylo, K.K. Lasley*, W.L. Daniels, and C. Shang. 2011. Leaching potential and forms of phosphorus in deep row applied biosolids underlying hybrid poplar. *Ecological Engineering* 37:1765-1771.
- Kostyanovskiy, K.I.*, G.K. Evanylo, K.K. Lasley*, C. Shang, B.F. Sukkariyah, and W.L. Daniels. 2011. Transformations of nitrogen and carbon in entrenched biosolids at a reclaimed mineral sands mine. *Journal of Environmental Quality* 40: 67-75.
- Bowden, C.*, G.K. Evanylo, X. Zhang, E. Ervin, and J. Seiler. 2010. Soil carbon and physiological responses of corn and soybean to organic amendments. *Compost Science and Utilization*. 18:162-173.
- Lasley, K.L.*, G.K. Evanylo, K.I. Kostyanovskiy*, C. Shang, M. Eick and W.L. Daniels. 2010. Chemistry and transport of metals from entrenched biosolids at a reclaimed mineral sands mining site. *Journal of Environmental Quality* 39: 1467-1477.
- Haering, K.C., W.L. Daniels, and G.K. Evanylo. 2008. Soybean phytotoxicity from land-applied biosolids. *Journal of Residuals Science and Technology* 5(1):1-12.
- Evanylo, G.K., C.A. Sherony, D. Starner, J. Spargo, M. Brosius, and K. Haering. 2008. Soil and water environmental effects of fertilizer-, manure-, and compost-based fertility practices in an organic vegetable cropping system. *Agriculture, Ecosystems & Environment* 127:50-58.
- Sukkariyah, B.F.*, G.K. Evanylo, and L.W. Zelazny. 2007. Distribution of copper, zinc, and phosphorus in coastal plain soils receiving repeated liquid biosolids applications. *Journal of Environmental Quality* 36:1618-1626.
- Bowden, C.*, J. Spargo*, and G.K. Evanylo. 2007. Mineralization and N fertilizer equivalent value of organic amendments as assessed by tall fescue (*Festuca arundinacea*). *Compost Science and Utilization* 15:111-118.
- Spargo, J.T.*, G.K. Evanylo, and M.A. Alley. 2006. Repeated compost application effects on P runoff in the Piedmont. *Journal of Environmental Quality* 35(6): 2342-2351.
- Evanylo, G.K., A.O. Abaye, A.O., C. Dundas*, C.E. Zipper, R. Lemus*, B. Sukkariyah*, and J. Rockett. 2005. Herbaceous vegetation productivity, persistence, and metals uptake on a biosolids-amended mine soil. *Journal of Environmental Quality* 34:1811-1819.

- Sukkariyah, B.F.*, G.K. Evanylo, L.W. Zelazny, and R.L. Chaney. 2005. Recovery and distribution of biosolids-derived trace metals in a clay loam soil. *Journal of Environmental Quality* 34:1843-1850.
- Sukkariyah, B.F.*, G.K. Evanylo, L.W. Zelazny, and R.L. Chaney. 2005. Bioavailability of Cd, Cu, Ni, and Zn to barley, lettuce, and radish grown in a biosolids-amended soil. *Journal of Environmental Quality* 34:2255-2262.

*Graduate student

Selected extension publications since 2005:

- Evanylo, G.K. and J. M. Goatley, Jr. 2011. Chapter 9. Organic and inorganic soil amendments. Pp. 9.1–9.16. In *Urban Nutrient Management Handbook*. VCE Publ. No. 430-350. <http://pubs.ext.vt.edu/430/430-350/430-350.html>.
- Daniels, W.L., Evanylo, G.K., K.Haering, L.Fox, and D. Sample. 2011. Chapter 11. Soil-water budgets and irrigation sources and timing. Pp. 11.1-11.8. In *Urban Nutrient Management Handbook*. VCE Publ. No. 430-350. <http://pubs.ext.vt.edu/430/430-350/430-350.html>.
- Haering, K. and G.K. Evanylo, M. Goatley and B. Benham. 2009. Water reuse: Using reclaimed water for irrigation. VCE Publ. No. 452-014. <http://pubs.ext.vt.edu/452/452-014/452-014.html>.
- Evanylo, G.K. 2009. Agricultural land application of biosolids in Virginia: Production and characteristics of biosolids. VCE Publ. No. 452-301. <http://pubs.ext.vt.edu/452/452-301/452-301.html>.
- Evanylo, G.K. 2009. Agricultural land application of biosolids in Virginia: Regulations. VCE Publ. No. 452-302. <http://pubs.ext.vt.edu/452/452-302/452-302.html>.
- Evanylo, G.K. 2009. Agricultural land application of biosolids in Virginia: Managing biosolids for agricultural use. VCE Publ. No. 452-303. <http://pubs.ext.vt.edu/452/452-303/452-303.html>.