

*NAME Elisa DAngelo

*Required fields

ORCID ID (Optional) 0000-0001-5042-8775

*POSITION TITLE Associate Professor

*PRIMARY ORGANIZATION & LOCATION Plant and Soil Sciences,

*PROFESSIONAL PREPARATION - (see [PAPPG Chapter II.D.2.h.i.a.3](#))

PREVIOUS ORGANIZATION(S) & LOCATION(S)	DEGREE (if applicable)	RECEIPT DATE* (MM/YYYY)	FIELD OF STUDY
University of Central Florida, Limnology and Biology with minor in Chemistry	B.S. (with honors)	12./1985	Limnology, Biology, Chemistry
Soil and Water Science Department, University of Florida	Ph. D	12/1998	Wetland Biogeochemistry

Note - For Fellowship applicants only, please include the start date of the Fellowship.

*APPOINTMENTS AND POSITIONS - (see [PAPPG Chapter II.D.2.h.i.a.4](#))

Start Date - End Date	Appointment or Position Title, Organization, and Location
1986-1988	Biological Scientist, Wetland Biogeochemistry Lab, University of Florida
1989-1999	Senior Biological Scientist, Wetland Biogeochemistry Lab, University of Florida
1999-2004	Assistant Professor, Plant and Soil Sciences, University of Kentucky
2004-present	Associate Professor, Plant and Soil Sciences, University of Kentucky

***PRODUCTS - (see [PAPPG Chapter II.D.2.h.i.a.5](#)) Products Most Closely Related to the Proposed Project**

- E.M. DAngelo*, M.D. Anik Mahmud and Jason M. Unrine. 2023. Concerns with passive anaerobic bioreactors for selenium removal from coal slurry liquid wastes. *Mine Water and the Environment* 2023: 1-10.
- E.M. DAngelo. 2019. Development and evaluation of a sensitive, Diffusive Gradients in Thin-Films (DGT) method for determining microcystin-LR concentrations in freshwater and seawater. *Harmful Algae* 89:101668.
- E.M. DAngelo. 2011. Biogeochemistry of Wetlands. In: *Handbook of Soil Science*. 2nd Ed. 30 pp. CRC Press.
- E.M. DAngelo* and Andes Nunez. 2010. Effect of environmental conditions on polychlorinated biphenyl transformations and bacterial communities in a river sediment. *Journal of Soils and Sediments* 10:1186-1199.
- Patrick W. Inglett*, E.M. DAngelo, K.R. Reddy, Paul V. McCormick, and Scot E. Hagerthey. 2009. Periphyton nitrogenase activity as an indicator of wetland eutrophication: spatial patterns and response to phosphorus dosing in a northern Everglades ecosystem. *Wetlands Ecology and Management* 17: 131-144.
- E.M. DAngelo*, A.D. Karathanasis, Jerry E. Sparks, S.A. Ritchey, S.A. Wehr-McChesney. 2005. Soil carbon and microbial communities at mitigated and late successional bottomland forest wetlands. *Wetlands* 25:162-175.

Other Significant Products, Whether or Not Related to the Proposed Project (see [PAPPG Chapter II.D.2.h.i.a.5](#))

- E.M. DAngelo. 2023. Biosolids amendment effects on nitrogen cycling gene expression by the soil prokaryotic community as revealed by metatranscriptomic analysis. *Soil Research* (in press)
- E.M. DAngelo. 2023. Diversity of virulence and antibiotic resistance genes expressed in Class A biosolids and biosolids-amended soil as revealed by metatranscriptomic analysis. *Letters in Applied Microbiology* 76 August 223, ovad097.
- E.M. DAngelo* and A. Martin. 2018. Tetracycline desorption kinetics in municipal biosolids and poultry litter amendments determined by diffusive gradients in thin films (DGT). *Chemosphere* 209: 232– 239.
- E.M. DAngelo* and D. Starnes. 2016. Desorption kinetics of ciprofloxacin in municipal biosolids determined by diffusion gradient in thin films. *Chemosphere* 164:215-224.
- S. Banerjee and E.M. DAngelo*. 2013. Livestock antibiotic effects on nitrification, denitrification, and microbial community composition in soils. *Open Journal of Soil Science* 3: 203-212.
- E.M. DAngelo*, Zeigler G, Beck EG, Grove J, and Sikora F. 2012. Arsenic species in broiler (*Gallus gallus domesticus*) litter, soils, maize (*Zea mays* L.), and groundwater from litter-amended fields. *Sci Total Environ.* 438:286-292.
- E.M. DAngelo. 2005. Phosphorus sorption capacity and exchange by soils from mitigated and late successional bottomland forest wetlands. *Wetlands* 25:297-305.

***Synergistic Activities - (see [PAPPG Chapter II.D.2.h.\(i\)\(a\)\(6\)](#))**

Mentored four undergraduate students in two harmful algal bloom projects at the University of Kentucky which were supported by grants from KWRI and Marton-Gatton College of Agriculture Food and Environment. Students presented their research at two KWRI conferences (2021,2023) and at National Conference on Undergraduate Research (2022).

Faculty instructor of the course Plants, Soils, and People: A Science Perspective, which serves as a Natural/ Physical/ Mathematical Sciences core requirement at the University of Kentucky, Fall and Spring semesters 2015-2023.

***Certification:**

When the individual signs the certification on behalf of themselves, they are certifying that the information is current, accurate, and complete. This includes, but is not limited to, information related to domestic and foreign appointments and positions. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§287, 1001, 1031 and 31 U.S.C. §§3729-3733 and 3802.

Signature
(Please type out full name): Elisa D'Angelo

Date:10/19/2023