AMANDA A. GUMBERT
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PROFESSIONAL QUALIFICATIONS
PhD, Soil Science, University of Kentucky, August 2013
MS, Plant and Soil Science, University of Kentucky, August 2001
BS, Plant and Soil Science, University of Kentucky, May 1999, Cum Laude

ACADEMIC AND PROFESSIONAL POSITIONS

August 2022-present	Adjunct Assistant Professor University of Kentucky, College of Agriculture, Food & Environment
December 2014-present	Extension Water Quality Specialist University of Kentucky, Cooperative Extension Service
August 2017-July 2022	Part-time Instructor University of Kentucky, College of Agriculture, Food & Environment
March 2007-December 2014	Extension Water Quality Specialist/Liaison to the KY Division of Conservation University of Kentucky, Cooperative Extension Service
July 2001-March 2007	Extension Associate for Environmental and Natural Resource Issues University of Kentucky, Cooperative Extension Service

RESEARCH FOCUS
- o Agricultural conservation practice adoption and implementation
- o Installation and management of streamside buffer zones

SCHOLARLY ACTIVITIES
Farmer-led Watershed Leadership
Utilize multi-state partnerships in the Mississippi River basin to promote farmer adoption of conservation practices. Collaborate with Mississippi River/Gulf of Mexico Hypoxia Task Force to achieve plan goals via SERA-46 partnerships. Facilitate watershed leadership activities (multi-day summits, field days, workshops) for farmers, agriculture advisors, and watershed practitioners. Co-developed, facilitated, and hosted Virtual Shop Talk Series, Feb-Mar 2021 (https://northcentralwater.org/watershed-leadership/farmer-to-farmer-conservation-learning-and-leadership/virtual-farmer-shop-talks/).
Responsibilities: maintain multi-agency partnerships; develop curricula; organize and manage planning teams; advertise events; recruit panelists; host events.

Conservation Practice Education
Educate farmers and farm advisors on conservation practices and the Kentucky Agriculture Water Quality Act (KAWQA) by researching, adapting, and creating educational materials; collaborate with researchers to develop water quality research and demonstration projects; partner with federal/state/local government

entities to provide assistance to farmers; train technical field staff; and deliver information to agricultural producers through county-based programs. Developed award-winning videos featuring Kentucky farmers who successfully balance conservation practice implementation with production agriculture. Responsibilities: collaborate with agricultural agency and commodity organizations; develop education/outreach materials; organize and conduct field days; deliver in-person and virtual presentations and workshops; provide technical expertise to county extension agents.

Watershed Science and Stream Stewardship
Promote watershed and stream stewardship for all audiences regarding stream functions in rural and urban landscapes, personal property protection, and water quality and habitat improvement. Developed *Better Buffers for Cleaner Water,* a 5-part, forested stream buffer and watershed health video series. Co-host KYH2O podcast (https://kyh2o.podbean.com/). Responsibilities: create and deliver educational materials; provide technical expertise to county extension agents and watershed organizations; facilitate field-based workshops.

Scientific Community Service
Foster natural resources conservation via service to state and national professional organizations. Current service includes Soil and Water Conservation Society Southeast Region Director (2022-2024); Hypoxia Task Force-Land Grant University Extension Research Activity (SERA-46) University of Kentucky representative (2014-present); Kentucky Agriculture Water Quality Authority Governor-appointed Representative (2009-present); Kentucky Climate Consortium founding member (2019-present). Responsibilities: collaborate with state and regional partners; represent and maintain communication with organization members; provide policy development and oversight.

SELECTED PRODUCTS AND PUBLICATIONS

Hamilton, D., Bass, T.M., **Gumbert, A.,** Hovingh, E., Hutchinson, M., Lim, T.-T., Means, S., and G. Malone. (2021). Estimates of nutrient loads from animal mortalities and reductions associated with mortality disposal methods and Best Management Practices (BMPs) in the Chesapeake Bay Watershed. Edited by J. Hanson, A. Gumbert & D. Hamilton. *In Review.* https://d18lev1ok5leia.cloudfront.net/chesapeakebay/documents/amm_ep_report_draft_revised_for_agwg_14oct2021-red-line-changes.pdf

Benning, J., Bonnell, J., Daniels, M., **Gumbert, A.,** & Power, R. (2019). *Fostering and Facilitating Farmer Leadership in Watershed Management Projects. Mississippi and Atchafalaya River Basin Watershed Leadership Network.* https://northcentralwater.org/wp-content/uploads/sites/317/2019/07/MARBreport-7-2019.pdf

Gumbert, A.A. (2017). Water and people at the confluence. *In* Lee, B.D., Carey, D., & Jones, A. (Eds.) *Water in Kentucky: Shaping landscapes, people, and communities.* Lexington, KY: University Press of Kentucky. https://www.jstor.org/stable/j.ctt1pd2kxw

Higgins, S., Schmidt, K., & **Gumbert, A.** (2014). *Kentucky Nutrient Management Planning Guidelines (KyNMP).* University of Kentucky, College of Agriculture. http://www2.ca.uky.edu/agc/pubs/ID/ID211/ID211.pdf

Lehmkuhler, J.W., Burris, W.R., Smith, Jr S.R., Halich, G., Burdine, K., Arnold, M., Higgins, S.F., **Gumbert, A.**, & Laurent, K. (2014). The Kentucky Master Stocker Program. *Journal of Animal Science*

Supplement 92 (290). https://www.asas.org/docs/default-source/jam2014/full-abstract-pdf.pdf?sfvrsn=51c27cd1_0

Gumbert, A.A. (2013) *Influence of riparian buffer management strategies on soil properties.* (*Theses and Dissertations--Plant and Soil Sciences.* 27.) [Doctoral dissertation, University of Kentucky]. https://uknowledge.uky.edu/pss_etds/27

GRANTS RECEIVED

Gumbert, A. *Novel Farmer-to-Farmer Learning Approaches to Cultivate a Culture of Conservation in the Mississippi River Basin.* University of Wisconsin-Madison, subaward from Foundation for Food & Agriculture Research (FFAR), $19,246; 07/2023-06/2025.

Agouridis, C., **A. Gumbert**, L. Cagle, L. Moser. *UK Cooperative Extension Service Climate Change Needs Assessment.* UK Cooperative Extension Service Faculty Innovation and Engagement Program, $24,555; 03/2023-09/2023.

Agouridis, C., **A. Gumbert**, C. Barton, and S. Price. *UK Research Foundation - Peer Review FY23 Kentucky.* KY Department of Fish and Wildlife Resources, $100,273; 04/2023-06/2024.

Gumbert, A., L. Moser, B. Volland, and H. Whaley. *Technical Support and Training for Key Stewards and Volunteers and Virtual Tour Development.* Lexington-Fayette Urban County Government via Friends of Wolf Run sub-award, $14,150; 03/2022-11/2023.

Gumbert, A. *UK Cooperative Extension Service Agriculture Water Quality Education.* Kentucky Energy and Environment Cabinet, $448,748; 01/2022-12/2023.

Gumbert, A. *UK Cooperative Extension Service Agriculture Water Quality Education.* Kentucky Energy and Environment Cabinet, $120,833; 04/2021-12/2021.

Gumbert, A. *UK Cooperative Extension Service Agriculture Water Quality Education.* Kentucky Energy and Environment Cabinet, $241,667; 01/2020-12/2020.

Gumbert, A. *Multi-State Collaboration to Improve Mississippi River and Gulf of Mexico Water Quality through Farmer-Led Initiatives and Farmer-Driven Data.* Mississippi State University, $145,097. 07/2019-06/2023.

Agouridis, C. and **A. Gumbert**. *Stream Buffer Restoration Volunteer Leadership Training and Residential Infiltration Project.* Lexington-Fayette Urban County Government via Friends of Wolf Run sub-award, $22,782; 03/2019-12/2020.

Gumbert, A. *UK Cooperative Extension Service Agriculture Water Quality Education.* Kentucky Energy and Environment Cabinet, $170,556; 07/2018-12/2019.

Gumbert, A. *Building Capacity for Watershed Leadership and Management in Twelve Mississippi River Basin States.* University of Wisconsin, $37,520; 07/2016-09/2022.