CARMEN AGOURIDIS
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(a) Professional preparation

University of Tennessee, Knoxville, TN	Agricultural Engineering	B.S.	1998
University of Tennessee, Knoxville, TN	Agricultural and Biosystems Engineering	M.S.	2000
University of Kentucky, Lexington, KY	Biosystems and Agricultural Engineering	Ph.D.	2004
University of Kentucky, Lexington, KY	Public Policy	M.S.	2012
University of Kentucky, Lexington, KY	Master of Business Administration	M.S.	2020

Professional Engineer: Kentucky (License No. 25431)

(b) Appointments

Senior Associate Dean, University of Kentucky, 2022-present
Associate Dean of Instruction, University of Kentucky, 2019-2022
Extension Professor, University of Kentucky, 2020-present
Extension Associate Professor, University of Kentucky, 2016-2020
Associate Professor, University of Kentucky, 2014-2016
Director, Stream and Watershed Graduate Certificate, 2012-2019
Co-Director, Environmental Engineering Undergraduate Certificate, 2018-2019
Co-Director, UK Environment & Sustainability Residential College, 2013-2016
Assistant Professor, University of Kentucky, 2010-2014
Assistant Research Professor, University of Kentucky, 2006-2009
Engineer Associate IV/Research for Water Resources, University of Kentucky, 2004-2006

(c) Sample Products

[1] Gertliz, M., **C. Agouridis**, T. Williamson, and C. Barton. 2023. Evaluating the influence of the Forestry Reclamation Approach on hydrology on throughfall quantity in eastern Kentucky. *Reclamation Sciences* 1: 13-24.

[2] Mahoney, D.T., J.R. Christensen, H.E. Golden, C.R. Lane, G.R. Evenson, E. White, K. Fritz, E. D'Amico, C.D. Barton, T. Williamson, K. Sena, and **C. Agouridis**. 2023. Dynamics of streamflow permanence in a headwater network: insights from catchment-scale model simulations. *Journal of Hydrology* 620, Part A: 129422.

[3] Al Aamery, N., E. Adams, J. Fox, A. Husci, J. Zhu, M. Gerlitz, C. Agouridis, and L. Bettel. 2021. Numerical Model Development for Investigating Hydrologic Pathways in Shallow Fluviokarst. Journal of Hydrology 593: 125844.

[4] Sean, K. C. Agouridis, J. Miller, and C. Barton. 2018. Spoil Type Influences Soil Genesis and Forest Development on an Appalachian Surface Coal Mine Ten Years after Placement. Forests 9 (12): 780

[5] Agouridis, C.T., C.D. Barton, and R.C. Warner. 2018. Recreating a Headwater Stream System on a Valley Fill in the Appalachian Coal Field, USA. *In*, N.S. Bolan, M.B. Kirkham, and Y.S. Ok, eds., Spoil to Soil: Mine Site Rehabilitation and Revegetation, pp. 147-174. CRC Press: Boca Raton, FL.

[6] Blackburn-Lynch, W., C. Agouridis, and C. Barton. 2017. Development of Regional Curves for Hydrologic Landscape Regions (HLR) in the Contiguous United States. Journal of the American Water Resources Association 53(4): 903-928.
[7] Agouridis, C.T. and T.M. Sanderson. 2016. Understanding Ecosystems and Their Services through Apollo 13 and Bottle Models. Ed. L.B. Byrne. *In* Learner-Centered Teaching Activities for Environmental and Sustainability Studies.
[8] Villines, J.A., C.T. Agouridis, R.C. Warner, and C.D. Barton. 2015. Using GIS to Delineate Headwater Stream Origins in the Appalachian Coalfields of Kentucky. Journal of the American Water Resources Association. 1-21.
[9] Williamson, T.J., C.T. Agouridis, C.D. Barton, J.A. Villines, and J.G. Lant. 2015. Delineating Ephemeral, Intermittent, and Perennial Streams in the Eastern Kentucky Coalfield Using a TOPMODEL Based Approach. Journal of the American Water Resource Association. 1-21.
[10] Agouridis, C.T., P.N. Angel, T.J. Taylor, C.D. Barton, R.C. Warner, and X.Yu, and C. Wood. 2012. Water Quality Characteristics of Discharge from Reforested Loose-Dumped Mine Spoil in Eastern Kentucky. Journal of Environmental Quality 41: 454-468.
[11] Miller, J., C.D. Barton, C.T. Agouridis, A. Fogle, T. Dowdy, and P. Angel. 2012. Evaluating Soil Genesis and Reforestation Success on a Surface Coal Mine in Appalachia. Soil Science Society of America Journal 76: 950-960.

(d) Synergistic Activities

[1] I have been awarded over $9.5 million in funding to support my research, extension, and instructional programs.
[2] I served as PI for Expanding Your Horizons – a STEM conference for middle school girls. I led the project team in the development and management of conference content and all logistical and marketing components.
[3] I served as Co-PI and Instructor (stream morphology and restoration, low impact development) for U.S. Department of State grant: BOOST H2O (Helping Hydrologic Outreach) in Indonesia and Turkey. I traveled to Indonesia and Turkey to teach graduate students, from those countries, field techniques in hydrologic sciences and stream restoration.
[4] I am a former member of the National Academy of Science, Engineering, and Medicine Committee on Earth Resources (CER). I served on the National Academy of Science, Engineering, and Medicine ad hoc committee Potential Human Health Effects of Surface Coal Mining Operations in Central Appalachia.
[5] I developed the Graduate Certificate in Stream and Watershed Science at the University of Kentucky. I co-developed the Undergraduate Certificate in Environmental Engineering at the University of Kentucky. I developed and taught senior/graduate-level lecture courses “Introduction to Stream Restoration” (face-to-face and online versions) and “Environmental Controls System Design and Reclamation.” I also developed several professional workshops and extension publications related to stream restoration, natural resource conservation, low impact development, and mined land reclamation.
[6] I have served as major advisor to 10 senior capstone design teams, 25 undergraduate research assistants, 20 M.S. students, and 1 Ph.D. student; committee member to 25 graduate students; and outside examiner to 5 PhD students. Research topics were related to stream restoration, hydrology, water quality, biochar, low impact development and the like. Several students have received national awards related to their research. In total, these students have won 16 awards from the local to regional to national levels.
[7] Major Awards: I have received several local and national awards related to my instruction, research, and service.