

Water Center Annual Report Publications and Presentations

FY 2025 - 2026

Publications

- Aimiuwu, E. E.; Duda, D. P.; Oliver, A. G.; Dixon, D. A.; Carrick, J. D.* Synthesis of 3,5-Disubstituted-(1H-) and (2H-) Heteroaryl-1,2,4-triazoles via an Oxidative Annulation Strategy. *Journal of Organic Chemistry*, 2026, 91, 2100–2114. <https://doi.org/10.1021/acs.joc.5c03029>
- Ajibola, B. R.; Andress, T. D.; Kulbacki, R. R.; Oliver, A. G.; Dixon, D. A.; Carrick, J. D.* Divergent Synthesis of Functionalized 1,2,4-Triazoles and 1,3,4-Oxadiazoles via a Microwave-Assisted [3 + 2] Annulation of Heteroaryl Carbonitriles with Arylhydrazides: A Synthetic and Density Functional Theory Study. *Journal of Organic Chemistry*, 2025, 90, 11765–11779. DOI: <https://doi.org/10.1021/acs.joc.4c03089>
- Bakner, N. W., N. M. Masto, C. J. Highway, L. P. Holmes, N. D. Steelman, H. M. Hagy, J. D. Feddersen, A. J. Pierce, and B. S. Cohen. 2025. Balancing opposing cues: seasonal shifts in push-pull drivers of migration in a temperate waterfowl species. *Movement Ecology* 13:91.
- Bakner, N. W., N. M. Masto, P. Lavretsky, C. J. Highway, A. C. Keever, A. G. Blake-Bradshaw, R. J. Askren, H. M. Hagy, J. C. Feddersen, D. C. Osborne, and B. S. Cohen. 2025. Mallard hybridization with domesticated lineages alters spring migration behavior and timing. *Ecology and Evolution* 15.
- Blackburn, A.J., W. K. Gibbs, J.N. Murdock, and M.A. Kulp. Periphyton and Benthic Macroinvertebrate Response to Antimycin Piscicide During Brook Trout Restoration. *Aquaculture, Fish and Fisheries* 6(2).
- Blake-Bradshaw, A. G., N. M. Masto, C. J. Highway, A. C. Keever, J. C. Feddersen, H. M. Hagy, and B. S. Cohen. 2025. Mallard response to experimental human disturbance on sanctuary areas is mediated by hunting. *Wildlife Biology* 2025.
- Blake-Bradshaw, A. G., N. M. Masto, C. J. Highway, A. C. Keever, J. C. Feddersen, H. M. Hagy, and B. S. Cohen. 2025. Wintering mallard survival is unaffected by brief anthropogenic disturbance on waterfowl sanctuaries. *Ecosphere* 16.
- Brown, R. S., Murdock, J.N., Womble, S.G., and Duwadi, S. Floodwater monitoring and soil incubations reveal complementary nutrient retention patterns in a reconnected floodplain wetland. *Freshwater Science* 44(3).
- Cullen, J. A., N. M. Masto, J. D. Sullivan, C. J. Highway, K. A. Patyk, M. McCool, M. K. Torchetti, K. Lantz, R. L. Poulson, D. L. Carter, J. C. Feddersen, B. S. Cohen, and D. J. Prosser. 2025. Spatiotemporal overlap of mallards with poultry farms is associated with greater risk of avian influenza outbreaks. *Ecology and Evolution* 15.

- Fletcher, L. S.; Joyner, N. A.; Agyei, E. A.; Dixon, D. A.; Carrick, J. D.* Non-C2-Symmetric Complexant for Minor Actinide Separation of Actinides from Lanthanides. *Chemistry-A European Journal*, 2025, 31, e202500016. DOI: <https://doi.org/10.1002/chem.202500016>
- Fletcher, L. S.; Tedder, M. L.; Dang, A. N.; Rogalski, M. H.; Olayiwola, S. O.; Mezyk, S. P.; Carrick, J. D.* 3,3'-Alkoxy-BTPs as Bipolar Chelating Agents for the Selective Extraction of Am³⁺ over Eu³⁺: An Extraction and Radiolytic Degradation Study. *Industrial Engineering and Chemistry Research*, 2025, 64, 15823–15829. DOI: <https://doi.org/10.1021/acs.iecr.5c01737>
- Gnyawali, K. P.; Carrick, J. D. TODGA-Inspired Complexant for Minor Actinide Extraction. *Dalton Transactions*, 2025, 54, 17434–17438. DOI: <https://doi.org/10.1039/D5DT02197A>
- Gnyawali, K. P.; Carrick, J. D.* Selective Extraction of Am³⁺ from Eu³⁺ using 3,3'-Butyloxy-Bis-1,2,4-Triazinyl-2,6-Pyridine in a Hydrocarbon Diluent. *Solvent Extraction and Ion Exchange*, 2026, 44, 151–164. <https://doi.org/10.1080/07366299.2025.2611855>
- Hall, J. M., Thulander, J. M., Anderson, K., Granados, A., Darnell, K., Bracken, J. T. (2026). A useful method for housing salamander larvae during controlled laboratory studies. *Herpetological Conservation and Biology*, 21(1), 15-29.
- Harrington, W. N., et al. (including B. S. Cohen). 2026. The rapid expansion of genotype D1.1 A(H5N1) influenza viruses in wild birds across North America during the 2024 migratory season. *Nature Medicine*. In press.32:1661-1665
- Highway, C. J., N. M. Mastro, A. G. Blake-Bradshaw, A. C. Keever, J. C. Feddersen, H. M. Hagy, D. L. Combs, and B. S. Cohen. 2025. Landscape risk predicts depletion of flooded unharvested corn by waterfowl. *Journal of Wildlife Management* 89.
- Howard, C. A., A. C. Keever, P. R. Garrettson, A. C. Greenawalt, H. M. Hagy, and B. S. Cohen. 2025. Breeding latitude drives demographic variation in wood duck populations, informing banding strategies in eastern North America. *Journal of Wildlife Management* 86.
- Jackson, J. A.; Fletcher, L. S.; Peroutka, A. A.; Olayiwola, S. O.; Joyner, N. A.; Shafer, J. C.; Dixon, D. A.; Carrick, J. D. Extraction of ²⁴⁴Cm using 3,3'-Dibutyloxyphenyl-bis-1,2,4-Triazinyl-2,6-Pyridine as a Bipolar Complexant: A Fundamental, Density Functional Theory, and Spectroscopic Study. *European Journal of Inorganic Chemistry*, 2025, 28, e202400818. DOI: <https://doi.org/10.1002/ejic.202400818>
- Ji, K.; An, J.; Rugg, K. W.; Wood, S. G.; Thilakarathne, L. M.; Gnyawali, K. P.; Carrick, J. D.; Reeves, J. T.* Reaction of Laterally Lithiated Pyrazoles with Nitriles and Esters. *Org. Chem. Front.* 2026, 13, 3475–3481. <https://doi.org/10.1039/d6qo00305b>

- Keever, A. C., J. D. Kelly, and B. S. Cohen. 2025. Estimating abundance of harvested populations at the management unit scale. *PLoS One* 20.
- Li, J., & Murdock, J. Nutrient concentration, stoichiometry, and timing of delivery can regulate cyanobacterial dominance and microcystin production in rivers. *Journal of Environmental Management* 377, 124714.
- Masto, N., A. G. Blake-Bradshaw, C. J. Highway, A. C. Keever, J. C. Fedderson, P. T. Link, H. M. Hagy, D. C. Osborne, B. S. Cohen. 2025. Spring migration strategies of *Anas platyrhynchos* (Mallard) necessitate individual time-energy trade-offs despite wintering origins or migratory destinations. Oxford University Press US: ukae044
- Olayiwola, S. O.; Gnyawali, K. P.; Carrick, J. D.* Microwave-Assisted Acylation of Hydroxybenzil Derivatives: A Synthetic Approach toward Acyloxy Bis-1,2,4-triazinyl-2,6-pyridine Complexants and Application to Minor Actinide Extraction. *ACS Omega*, 2025, 10, 46014–46024. DOI: <https://doi.org/10.1021/acsomega.5c06972>
- Salimi, S., Colson, S., Renfro, M., Ma, L., and Rahnama, M. bioRxiv (2026). CentroFinder: Accurate De Novo Identification of Centromeres in Fungal Genomes
- Salimi, S., Rahnama, M. Mobile DNA (2025). FoTeRs: A Novel Family of Telomere-Associated Retrotransposons in *Fusarium oxysporum*
- Teitelbaum, C., et al. (including B. S. Cohen). 2026. Waterfowl move less in heterogeneous and human-populated landscapes, with implications for spread of avian influenza viruses. *Ecology Letters* 29.
- Thulander, J. M., Hall, J. M. (2025). Embryonic temperature shapes morphology, physiology, and survival across life stages for an ectotherm threatened by global change. *Journal of Thermal Biology*, 132, 104215.
- Tinker, G., Datta, T. (2026). Microbial community structure of an oxidation ditch undergoing process optimization for biological nutrient removal. *Journal of Water Process Engineering*.
- Wightman, P. H., N. A. Gulotta, B. S. Cohen, B. A. Collier, and M. J. Chamberlain. 2025. Investigating diel patterns of predation events in wild turkeys using tri-axial accelerometer data. *Wildlife Society Bulletin* 49.
- Young, M., Datta, T., Moore, K., Kalyanapu, A. J. (2025). Engaging Rural High School Students in a Watershed Literacy Program. *Water*, 17(11), 1588

Presentations and Media

- Acheampong, Clement Opoku, Michael Tetteh, Hong Zhang. 2026. “Analyzing fish mercury level patterns in Tennessee lakes using statewide monitoring data.” TTU Creative Research and Inquiry Day, April 2026 (poster).
- Acheampong, Clement Opoku, Michael Tetteh, Hong Zhang, Xuanzhi Shawn Zhan. 2026. “Cysteine-rich peptide design for targeted mercury remediation in Tennessee lakes.” TTU Creative Research and Inquiry Day, April 2026 (poster).
- Anderson, Emma, Bella Cable, Chance Bacon, Spenser Curington, Alex O’Neal, Hong Zhang. 2026. “Microbially Mediated Redox Cycling of Fe(III)/Fe(II) in Soils: Effect of Disaccharides and Starch on Formation of Floating Fe(III) Films.” TTU Creative Research and Inquiry Day, April 2026 (poster).
- Cable, Bella, Chance Bacon, Cohen Williams, Emma Anderson, Fitzgerald Anderson, Kiri Stengele, Mary Yambert, Perry Rodgers, Spencer Curington, Thomas Roberts, Alex O’Neal, Hong Zhang. 2026. “A Study on Application of AI in Environmental Chemistry Education and Research.” TTU Creative Research and Inquiry Day, April 2026 (poster).
- Carrick, J. D. 2025. Invited research seminar. Rare Earth and Actinide Chemistry (REACH) Symposium, Joint Southeast / Southwest Regional Meeting of the American Chemical Society (SERMACS), Orlando, FL, October 27, 2025.
- Cohen, B. S. 2025. Ducks fly far but sit still: how limiting human disturbance affects hunting opportunity and waterfowl behavior. Ducks Unlimited Expo, Memphis, TN, USA.
- Cohen, B. S. 2025. Habitat management for northern bobwhite restoration. Catoosa Wildlife Management Area, Crossville, TN, USA.
- Cohen, B. S. 2025. How hunters can create needed waterfowl habitat. *Mossy Oak Gamekeepers TV*.
- Cohen, B. S. 2025. Talking ducks with Dr. Brad Cohen. *The Standard Sportsman Podcast*.
- Cohen, B. S. 2025. Understanding hunting pressure on turkeys. *Mossy Oak Gamekeepers Podcast*.
- Cohen, B. S. 2025. Where the mallards are. *Delta Waterfowl Podcast*.
- Cohen, B. S. 2025. Wholistic property management from uplands to wetlands. Tennessee Wildlife Federation Private Landowner Summit, Memphis, TN, USA.
- Chowdhury, Mamiya, Kyle E. Murphy. 2026. “Synthesis and antimicrobial evaluation of functionalized N-acyl hydrazones as potential antibiotic leads.” 271st American Chemical Society National Meeting, March 2026 (poster presentation; selected for Sci-Mix Event).

- de Almeida, G., C. Hitchcock, T. Datta. 2025. "A Preliminary Assessment of Microplastics Removal in Tennessee's Wastewater Treatment Plants." Water Professionals Conference, KY/TN AWWA and CWP, Knoxville, TN, July 2025.
- Feddersen, J. C., A. G. Blake-Bradshaw, N. M. Mastro, C. J. Highway, A. C. Keever, H. M. Hagy, and B. S. Cohen. 2025. "Using emerging technologies to inform recreational use of waterfowl sanctuaries." 57th Annual Meeting of the Tennessee Chapter of The Wildlife Society, Pigeon Forge, TN, USA.
- Gaither, L., J. M. Thulander, J. M. Hall. 2025. "Gill length correlates with gill surface area in the Streamside Salamander (*Ambystoma barbouri*)." Annual Meeting of the Tennessee Herpetological Society, Cedars of Lebanon State Park, Lebanon, TN, September 2025.
- Gnyawali, K. P., L. M. Thilakarathne, D. D. Ensor, D. A. Dixon, S. P. Mezyk, J. D. Carrick. 2025. "Advancing Minor Actinide Extraction via Alkoxy-Functionalized BTPs." Invited oral presentation, 22nd Symposium for Separation Science & Technology for Energy Applications, Oak Ridge, TN, November 5, 2025.
- Granados, A., C. D. Scruggs, J. M. Thulander, J. M. Hall. 2025. "Effects of Incubation Temperature on Juvenile Morphology of the Endangered Streamside Salamander (*Ambystoma barbouri*)." Annual Meeting of the Tennessee Herpetological Society, Cedars of Lebanon State Park, Lebanon, TN, September 2025.
- Hall, J. M., J. M. Thulander, C. D. Scruggs, J. Thompson. 2025. "Tennessee Streamside Salamanders differ from core range populations in life history traits and developmental physiology." Annual Meeting of the Tennessee Herpetological Society, Cedars of Lebanon State Park, Lebanon, TN, September 2025.
- Harrington, W. N., A. Signore, L. Kercher, et al. (including B. S. Cohen). 2025. "The emergence and rapid spread of HPAI A(H5N1) D1.1 in North America: genetic insights and public health risks." 11th International Symposium on Avian Influenza, St. John's, Newfoundland, Canada.
- Harrington, W. N., A. Signore, L. Kercher, et al. (including B. S. Cohen). 2025. "The emergence and rapid spread of HPAI A(H5N1) D1.1 in North America: genetic insights and public health risks." American Society for Microbiology 2025 Microbe Conference, Los Angeles, CA, USA.
- Highway, C. J., N. W. Bakner, A. C. Keever, L. P. Holmes, N. J. Steelman, N. M. Mastro, J. C. Feddersen, A. R. Pierce, and B. S. Cohen. 2025. "Flocking to safety: how waterfowl sanctuaries influence hunter opportunities." 79th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies (SEAFWA), Biloxi, MS, USA.

- Highway, C. J., L. P. Holmes, N. J. Steelman, N. C. Bakner, A. C. Keever, A. R. Pierce, J. C. Feddersen, and B. S. Cohen. 2025. "Impacts of refuge connectivity on waterfowl distribution and hunting opportunities in western Tennessee." Winous Point Marsh Conservancy Wetlands and Waterfowl Student Symposium, Port Clinton, OH, USA.
- Hitchcock, C., T. Datta. 2025. "Disentangling the Mystery of Microplastics." Water Professionals Conference, KY/TN AWWA and CWP, Knoxville, TN, July 2025.
- Holmes, L. H., C. J. Highway, J. C. Feddersen, and B. S. Cohen. 2025. "Assessing fidelity in Mississippi Flyway mallards." 57th Annual Meeting of the Tennessee Chapter of The Wildlife Society, Pigeon Forge, TN, USA.
- Holmes, L. P., N. W. Bakner, A. C. Keever, C. J. Highway, N. J. Steelman, N. M. Mastro, R. Askren, P. T. Link, D. C. Osborne, A. R. Pierce, J. C. Feddersen, and B. S. Cohen. 2025. "Landscape factors influencing winter settling and site fidelity in mallards." 79th SEAFWA, Biloxi, MS, USA.
- Holmes, L. P., C. J. Highway, N. J. Steelman, N. C. Bakner, A. C. Keever, P. T. Link, D. C. Osborne, J. C. Feddersen, and B. S. Cohen. 2025. "Assessing fidelity in Mississippi Flyway mallards." Winous Point Marsh Conservancy Wetlands and Waterfowl Student Symposium, Port Clinton, OH, USA.
- Keever, A. C., R. Shields, A. C. Edge, J. Sweaney, G. B. Clevinger, M. K. McBride, and B. S. Cohen. 2025. "Developing an adaptive harvest management approach for turkey and deer in Tennessee." 79th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies (SEAFWA), Biloxi, MS, USA.
- Knott, S., J. Greenway, T. Datta. 2025. "How Well Are Tennessee's Municipal Wastewater Plants Reducing Nutrient Pollution? A Peek into Effluent Nitrogen and Phosphorus Trends." Water Professionals Conference, KY/TN AWWA and CWP, Knoxville, TN, July 2025.
- Mishra, Astha, S. Salimi, D. Croll, M. Rahnama. 33rd Fungal Genetics Conference (Asilomar, CA, March 2026). Lineage-Specific Dynamics of Telomere-Targeted MoTeR Elements and Structural Variation in the Host Diversification of *Magnaporthe oryzae*.
- Murdock, Justin. 2026. "Nutrient history can influence large river harmful algal bloom formation." Society for Freshwater Science. Spokane, WA.
- Murdock, Justin. 2026. "Designing agricultural wetland restorations to optimize nutrient retention and greenhouse gas flux." Vanderbilt University, Nashville, TN.
- Murdock, Justin. 2025. "Implementing diverse restoration practices can optimize nutrient retention recovery in restored agricultural wetlands." USDA National Sedimentation Laboratory, Oxford, MS.

- Murdock, Justin. 2025. "Determining Environmental Triggers of Harmful Algal Blooms and Toxin Production for the Purposes of HAB Prediction, Detection, and Management in flowing waters." USACE Engineering Research and Development Center, Vicksburg, MS
- Murdock, Justin. 2025. "Academic Roles in Tennessee Conservation. Governor's Conservation Summit." Montgomery Bell State Park, TN
- Mishra, Astha. Tennessee Tech Research & Creative Inquiry Day (April 2026). Lineage-Specific Dynamics of Telomere-Targeted MoTeR Elements and Structural Variation in the Host Diversification of *Magnaporthe oryzae*.
- Opoku Acheampong, Clement, Michael Tetteh, Hong Zhang. 2026. "Analyzing fish mercury level patterns in Tennessee lakes using statewide monitoring data." TTU Creative Research and Inquiry Day, April 2026 (poster).
- Parris, Emma, Kyle E. Murphy. 2025. "Synthesizing ortho-functionalized N-acyl hydrazones for antimicrobial investigations." 76th Southeastern and 81st Southwest Joint Regional Meeting of the American Chemical Society, October 2025 (poster presentation; undergraduate student).
- Penn, Zoe, Kyle E. Murphy. 2026. "Depolymerization of PET-based microplastics with modified N-acyl hydrazones under green chemistry conditions." 271st American Chemical Society National Meeting, March 2026 (poster presentation; graduate MS student; selected for Sci-Mix Event).
- Prosser, et al. (including B. S. Cohen). 2025. "Exploring the impacts of highly pathogenic avian influenza on wild birds and the implications for transmission at multiple interfaces." 11th International Symposium on Avian Influenza, St. John's, Newfoundland, Canada.
- Radtke, T. J., N. W. Bakner, A. C. Keever, J. M. McCord, and B. S. Cohen. 2025. "Effects of off-highway vehicle disturbance on breeding behaviors and distributions of ruffed grouse and wild turkeys." 79th SEAFWA, Biloxi, MS, USA.
- Salimi, Sahar, R. H. Proctor, L. Ma, C. E. Probyn, D. Geiser, S. Haridas, I. Grigoriev, M. Rahnama. 33rd Fungal Genetics Conference (Asilomar, CA, March 2026) Evolutionary Mechanisms Shaping Chromosome Architecture in *Fusarium*
- Scruggs, C. D., J. M. Thulander, J. M. Hall. 2025. "The Long-term Effects of Incubation Temperature on Morphology and Performance of the Streamside Salamander (*Ambystoma barbouri*)." Annual Meeting of the Tennessee Herpetological Society, Cedars of Lebanon State Park, Lebanon, TN, September 2025.

- Scruggs, C. D., J. M. Thulander, J. M. Hall. 2025. "The Long-term Effects of Incubation Temperature on Morphology and Performance of the Streamside Salamander (*Ambystoma barbouri*).” Joint Meeting of Ichthyology and Herpetology, American Society of Ichthyology and Herpetology, St. Paul, MN, USA, July 2025.
- Skelton, M., C. D. Scruggs, J. M. Hall. 2025. "Thermal Performance Curves of Tennessee Streamside Salamanders (*Ambystoma barbouri*).” Annual Meeting of the Tennessee Herpetological Society, Cedars of Lebanon State Park, Lebanon, TN, September 2025.
- Steelman, N. J., C. J. Highway, L. P. Holmes, N. W. Bakner, A. C. Keever, J. C. Feddersen, A. R. Pierce, and B. S. Cohen. 2025. "Resource selection and activity patterns of gadwall in the Lower Mississippi Alluvial Valley.” 79th SEAFWA, Biloxi, MS, USA.
- Steelman, N. J., C. J. Highway, L. P. Holmes, N. C. Bakner, A. C. Keever, J. C. Feddersen, and B. S. Cohen. 2025. "Resource selection and movements of gadwall across a changing landscape.” Winous Point Marsh Conservancy Wetlands and Waterfowl Student Symposium, Port Clinton, OH, USA.
- Steelman, N. J., C. J. Highway, L. P. Holmes, N. C. Bakner, A. C. Keever, J. C. Feddersen, and B. S. Cohen. 2025. Resource selection and movements of gadwall during the nonbreeding season. Delta Waterfowl Foundation, Bismarck, ND, USA.
- Steelman, N. J., C. J. Highway, N. M. Masto, A. C. Keever, L. P. Holmes, J. C. Feddersen, H. M. Hagy, and B. S. Cohen. 2025. Wintering mallard ecology in western Tennessee. 17th Annual Davis P. Rice Memorial Waterfowl Hunt Banquet, Dyersburg, TN, USA.
- Tetteh, Michael, Xuanzhi Zhan, Hong Zhang. 2026. "Assessing & mitigating mercury in Tennessee fisheries—Next-generation bioremediation via peptide sequestration using MBP-fusion peptides.” 2026 Tennessee Environmental Network Show of the South (TENSOS), Chattanooga, TN, May 2026 (oral presentation). 2026 Student Scholarship Program Award (including \$1,500), presented by TENSOS.
- Tetteh, Michael, Xuanzhi Zhan, Hong Zhang. 2026. "Assessing and mitigating mercury in Tennessee fisheries.” 2026 Tennessee Environmental Network Show of the South (TENSOS), Chattanooga, TN, May 2026 (poster presentation). 2026 Student Scholarship Program Award (including \$1,500), presented by TENSOS.
- Tetteh, Michael, Justin Murdock, Hong Zhang. 2026. "Fish Mercury (Hg) levels in Middle Tennessee Waters: Initial Results and Findings from the TDEC Fish Analysis Database.” 135th Meeting of the Tennessee Academy of Science, Pellissippi State Community College, TN, November 2025 (oral presentation). First Place in the Ecology and Environmental Sciences I Student Oral Presentation.

- Tetteh, Michael, Xuanzhi Zhan, Hong Zhan. 2026. "Enhanced mercury (Hg) remediation of freshwater systems via recombinant peptide fusion technology." TTU Creative Research and Inquiry Day, April 2026 (poster).
- Tetteh, Michael, Justin Murdock, and Hong Zhang. 2026. "Long-term patterns of mercury (Hg) bioaccumulation in Tennessee: County-level trends and species-specific dynamics from the Tennessee Department of Environment and Conservation fish mercury database." TTU Creative Research and Inquiry Day, April 2026 (poster). Student Award Winner in the Ph.D. category for College of Emerging and Integrative Studies, School of Environmental Studies.
- Thilakarathne, L. M., K. P. Gnyawali, D. D. Ensor, D. A. Dixon, S. P. Mezyk, and J. D. Carrick. 2025. "Advancing Minor Actinide Extraction via Alkoxy-Functionalized BTPs." Invited oral presentation, 22nd Symposium for Separation Science & Technology for Energy Applications, Oak Ridge, TN, November 5, 2025.
- White, E. G., T. Datta. 2026. "Streamlining PLET Modeling for Watershed Planning in Tennessee." Tennessee Water Resources Symposium, TN Section of AWRA, Montgomery Bell State Park, Burns, TN, April 15, 2026.
- White, E. G., I. Hollingsworth, R. Kaiser, A. J. Kalyanapu, T. Datta. 2025. "Integrating modeling and Stakeholder Engagement to Develop a Watershed Plan for the Falling Water River Watershed." Water Professionals Conference, KY/TN AWWA and CWP, Knoxville, TN, July 2025.
- Wightman, P. H., N. A. Gulotta, B. S. Cohen, B. A. Collier, and M. J. Chamberlain. 2025. "Investigating diel patterns of predation events in wild turkeys using tri-axial accelerometer data." 13th National Wild Turkey Symposium, Kansas City, MO, USA.
- Zhan, Xuanzhi Shawn, Clement Opoku Acheampong, Michael Tetteh, Hong Zhang. 2026. "Cysteine-rich peptide design for targeted mercury remediation in Tennessee lakes." TTU Creative Research and Inquiry Day, April 2026 (poster).