

JACOB J. WHITE, Ph.D.

Voinovich School of Leadership & Public Service

Ohio University

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Education

- Ph.D. Chemistry, 2006, Ohio University, curriculum and research emphases in Bioanalytical Chemistry. Dissertation: “*The Role of the L-Arginine/Nitric Oxide Pathway in Alzheimer’s Pathology*”
- B.S. Chemistry, 2001, Shawnee State University, cum laude, minors in Mathematics and Philosophy

Professional Experience

- Co-Director PEER Applied Research Team, 2024-present, Ohio University, Athens, OH
- Senior Executive in Residence for Education and Evaluation, 2020-2023, Ohio University, Athens, OH
- Professor of Chemistry, 2005-2019, University of Rio Grande, Rio Grande, OH
–Tenured (2009), Full Professor (2013), Emeritus Honors (2022)
- STEM Research and Administrative Associate III, 2019, Gallia-Vinton Educational Service Center, Rio Grande, OH
- Associate Director, 2006-2010, Southeast Ohio Center for Excellence in Mathematics and Science, Ohio University, Athens, OH

External Evaluations and Contracts

- Program Evaluation, 2023-2024, Franklin County Overdose Data to Action: Limiting Overdose through Collaborative Actions in Localities (OD2A: LOCAL), \$141,000 funded by Franklin County Public Health (Centers for Disease Control and Prevention)
- Program Evaluation, 2021-2024, Franklin County Community Health Workers for COVID Response and Resilient Communities, \$390,000 funded by Franklin County Public Health (Centers for Disease Control and Prevention)
- Program Evaluation, 2021-2023, The Child Development Associate 6C Curriculum Pathway Project, \$6,000 funded by Ohio University Patton College of Education (Ohio Deans Compact on Exceptional Children)
- Program Evaluation, 2020-2024, Logan-Hocking School Climate Transformation Grant, \$228,000 funded by Logan-Hocking School District (U.S. Department of Education)
- Program Evaluation, 2020-2023, Hamilton County Overdose Data to Action (OD2A), \$900,000 funded by Hamilton County Public Health (Centers for Disease Control and Prevention)
- Program Evaluation, 2020-2023, Franklin County Overdose Data to Action (OD2A), \$660,000 funded by Franklin County Public Health (Centers for Disease Control and Prevention)
- STEM Enrichment, 2020-2023, Annual Site Environmental Report Student Summary, \$167,000 funded by Office of Environmental Management (U.S. Department of Energy)

- Program Evaluation, 2020-2021, Boardman Local School District Environmental Science Education Initiative, \$5,000 funded by Boardman Local Schools
- Program Evaluation, 2020, Investing in Student Wellness and Success: Case Studies to Examine and Improve Impact, \$13,000 funded by Ohio Department of Education

Successful Grant Funding

- Principal Investigator, 2015-2017, Southeast Ohio Science Partnership. \$416,881 funded by the Ohio Department of Education.
- Principal Investigator/Co-Principal Investigator, 2013-2016, Increasing Continuity Throughout the Science Curricula. \$555,754 funded by the Ohio Department of Education.
- Principal Investigator, 2013-2014, Accumulation of Lead and Mercury in Chelydra Serpentina of the Southeast Ohio Region. \$1,200 funded by the URG Provost's Office.
- Principal Investigator, 2010-2013, Rio Connection: Jackson Focus on Mathematics and Science Teaching. \$606,608 funded by the Ohio Department of Education.
- Principal Investigator, 2012-2013, Rio Connection: Focus on 3-8 Earth & Space Sciences. \$114,048 funded by the Ohio Board of Regents.
- Principal Investigator, 2012-2013, Accumulation of Lead, Mercury, and PCBs in Chelydra Serpentina of the Southeast Ohio Region. \$1,200 funded by the URG Provost's Office.
- Principal Investigator, 2011-2012, Rio Connection: Gallipolis Focus on Science Education. \$90,000 funded by the Ohio Board of Regents.
- Principal Investigator, 2011-2012, Inclusion of Atomic Absorption Spectroscopy in the School of Sciences Curriculum. \$10,000 funded by the Pittsburgh Conference of Analytical Chemistry and Applied Spectroscopy.
- Principal Investigator, 2011-2012, A High Impact Learning Experience for Chemistry Majors. \$1,200 funded by the URG Provost's Office.
- Principal Investigator, 2007-2010, Rio Connection: Improving Mathematics and Science Teaching. \$818,350 funded by the Ohio Department of Education.
- Principal Investigator, 2009-2010, Rio Connection: Expanding the Vision in Science. \$100,000 funded by the Ohio Board of Regents.
- Principal Investigator, 2008-2010, STEM Internship Program. \$63,450 funded by the Southeast Ohio Center for Excellence in Mathematics and Science.
- Principal Investigator, 2008-2010, STEM Teaching and Learning Program. \$28,500, funded by the Southeast Ohio Center for Excellence in Mathematics and Science.
- Principal Investigator, 2008, Rio Connections: Science Seed Grant. \$25,000, funded by the Ohio Department of Education.

Peer Reviewed Publications

- England, A., Morrison, L., Wood-Moore, M., Kennedy, A., Velasco, J.D., **White, J.**, Meredith, N.A., Mauldin, R.F. Treatment of waste from the molybdenum blue analysis of phosphate: A laboratory experiment in green chemistry. *Journal of Chemical Education*, 2022, 99, 7, 2643-2648.
- **White, J.**, Costilow, K., Dotson, J., Landrum, A., Mauldin, R., Schanandore, M., Shockley, D. Guided-inquiry experiment for teaching the calibration method of standard addition in the analysis of lead with graphite furnace atomic absorption spectroscopy. *Journal of Chemical Education*, 2021, 98, 2, 620-625.
- **White, J.**, Means, J., Hall, T., Shockley, D. Is This Watershed Contaminated with PCBs? *The Science Teacher*, 2020, 87(8), 26-31.

- **White, J.**, Shockley, D., Hopkins II, R., Lewis, M., Hutzal, M., Crabtree, D. Evidence of effective science professional development in a small Appalachian school district. *Research in the Schools*, 2018, 25(1), 59-71.
- **White, J.**, Shockley, D., Hutzal, M., Wilson, N. Interdisciplinary professional development for teaching science and reading. *Ohio Journal of Science*, 2014, 114(2), 2-10.
- **White, J.**, Hopkins, R., Shockley, D., Gaining insights from a case study of high school student performance in dual credit college chemistry courses. *Journal of Chemical Education*, 2014, 91(1), 30-36.
- **White, J.**, Smith, W., 2013. A brief note on the temperature-dependent photocatalytic degradation of Congo red using zinc oxide. *American Journal of Water Resources*, 1(4), 66-69.
- Hopkins II, R.L., B. Altier, D. Haselman, A. Merry, and **J.J. White**. 2013. Exploring the legacy effects of surface coal mining on stream chemistry. *Hydrobiologia*, 713, 87-95.
- **White, J.**, Crosier, J. Determination of soluble phosphorus content in black walnut husk compost via formation of molybdenum blue. *Ohio Journal of Science*, 2010, 110(4), 94-95.
- Madajka, M.; Korda, M.; **White, J.**; Malinski, T. Effect of aspirin on constitutive nitric oxide synthase and the bioavailability of NO. *Thrombosis Research* 2003, 110, 317-321.
- Kalinowski, L.; Madajka, M.; **White, J.**; Bohr, D.; Malinski, T. Endothelin-1 stimulates NO release in the brain and causes a fall in blood pressure. In *Heart Disease: Pathogenesis, Diagnosis and Treatment*, Proceedings of the International Academy of Cardiology, Washington, D.C., July 12-15, 2003.

Externally Sponsored Program Publications

2023

- **White, J.**, Kloepfer, D., Webb, R., Belkin, S., Ji, H., Burke, C., Ruhil, A., Scherer, A., Fleming, H., Johnson, L. (2023). *Hamilton County OD2A year four evaluation report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Burke, C., Scherer, A., Belkin, S., Johnson, L. (2023). *Analyzing NOK interview data*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Webb, R., Kloepfer, D., Burke, C., Belkin, S., Scherer, A., Johnson, L. (2023). *Compassion fatigue and stigma among first responders in Hamilton County*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Burke, C., Webb, R., Belkin, S., Kloepfer, D., Scherer, A., Fleming, H., Johnson, L. (2023). *Recovery Friendly Hamilton County (RFHC) survey results*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Webb, R., Belkin, S., Burke, C., Johnson, L., Scherer, A., Ruhil, A. (2023). *Hamilton County OD2A community-wide survey naloxone knowledge and opinions data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Webb, R., Belkin, S., Burke, C., Johnson, L., Scherer, A., Ruhil, A. (2023). *Hamilton County OD2A community-wide survey opioid overdose signs, symptoms, response, and treatment data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Webb, R., Belkin, S., Burke, C., Johnson, L., Scherer, A., Ruhil, A. (2023). *Hamilton County OD2A community-wide survey opioid knowledge and opinions data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.

- **White, J.**, Kloepfer, D., Webb, R., Belkin, S., Burke, C., Johnson, L., Scherer, A., Ruhil, A. (2023). *Hamilton County OD2A community-wide survey opioid related stigma data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Webb, R., Belkin, S., Burke, C., Johnson, L., Scherer, A., Ruhil, A. (2023). *Hamilton County OD2A community-wide survey yearly comparisons data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Mazzone, N., Seigrist, L., Fleming, H. (2023). *Summary of the U.S. Department of Energy Portsmouth annual site environmental report (ASER) for 2020*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Webb, R., Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A., Belkin, S., Schoen, K., Burke, C., Ryba, P. (2023). *Franklin County overdose data to action (OD2A) year 3-extension evaluation report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Webb, R., Johnson, L., Ruhil, A., Ryba, P. (2023). *Franklin County OD2A community-wide survey yearly comparisons data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Webb, R., Ruhil, A., Ryba, P. (2023). *Franklin County OD2A community-wide survey opioid messaging campaign data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Webb, R., Ruhil, A., Ryba, P. (2023). *Franklin County OD2A community-wide demographics and methodology brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Webb, R., Ruhil, A., Ryba, P. (2023). *Franklin County OD2A community-wide survey naloxone knowledge and opinions data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Webb, R., Ruhil, A., Ryba, P. (2023). *Franklin County OD2A community-wide survey opioid overdose signs, symptoms, response, and treatment data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Webb, R., Ruhil, Ryba, P. (2023). *Franklin County OD2A community-wide survey opioid knowledge and opinions in Franklin County data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Webb, R., Ruhil, A. (2023). *Franklin County OD2A community-wide survey opioid related stigma in Franklin County data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.

2022

- **White, J.**, Kloepfer, D. (2022). *Franklin County community health workers for COVID response and resilient communities year one report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Hutzel, M., Lewis, M., **White, J.** (2022). *Logan-Hocking school climate transformation grant year three evaluation report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A., Schoen, K., Webb, R., Belkin, S., Ryba, P. (2022). *Franklin County overdose data to action (OD2A) year three evaluation report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Webb, R., Johnson, L., Ruhil, A. (2022). *Franklin County OD2A community-wide survey yearly comparisons data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.

- **White, J.**, Wilson, P., Scherer, A. (2022). *6C curriculum pathways external evaluation report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Webb, R., Ruhil, A. (2022). *Franklin County OD2A community-wide survey opioid messaging campaign data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Webb, R., Ruhil, A. (2022). *Franklin County OD2A community-wide demographics and methodology brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Webb, R., Ruhil, A. (2022). *Franklin County OD2A community-wide survey opioid overdose signs, symptoms, response, and treatment data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Webb, R., Ruhil, A. (2022). *Franklin County OD2A community-wide survey opioid knowledge and opinions in Franklin County data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Webb, R., Ruhil, A. (2022). *Franklin County OD2A community-wide survey opioid related stigma in Franklin County data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Johnson, L., Ruhil, A., Webb, R., Belkin, S., Scherer, A. (2022). *Hamilton County OD2A year three evaluation report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Webb, R., Johnson, L., Ruhil, A. (2022). *Hamilton County OD2A community-wide survey naloxone knowledge and opinions data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Webb, R., Johnson, L., Ruhil, A. (2022). *Hamilton County OD2A community-wide survey opioid overdose signs, symptoms, response, and treatment data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Webb, R., Johnson, L., Ruhil, A. (2022). *Hamilton County OD2A community-wide survey opioid knowledge and opinions data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Webb, R., Johnson, L., & Ruhil, A. (2022). *Hamilton County OD2A community-wide survey opioid related stigma data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Webb, R., Johnson, L., & Ruhil, A. (2022). *Hamilton County OD2A community-wide survey yearly comparisons data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Jenkins, D., Seigris, L. (2022). *Summary of the U.S. Department of Energy Portsmouth annual site environmental report (ASER) for 2019*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.

2021

- Hutzel, M., Lewis, M., **White, J.** (2021). *Logan-Hocking school climate transformation grant year two evaluation report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A., Schoen, K., Starkey, S. (2021). *Franklin County overdose data to action (OD2A) year two evaluation report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.

- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A. (2021). *Franklin County OD2A community-wide survey opioid messaging campaign data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A. (2021). *Franklin County OD2A community-wide demographics and methodology brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Braden, J. (2021). *Boardman Local School District environmental science education initiative (Project STREAM) evaluation report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A. (2021). *Franklin County OD2A community-wide survey naloxone knowledge and opinions in Franklin County data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A. (2021). *Franklin County OD2A community-wide survey opioid overdose signs, symptoms, response, and treatment data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A. (2021). *Franklin County OD2A community-wide survey opioid knowledge and opinions in Franklin County data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A. (2021). *Franklin County OD2A community-wide survey opioid related stigma in Franklin County data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Johnson, L., Ruhil, A., Scherer, A. (2021). *Hamilton County OD2A year two evaluation report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A. (2021). *Hamilton County OD2A community-wide survey naloxone knowledge and opinions data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A. (2021). *Hamilton County OD2A community-wide survey opioid overdose signs, symptoms, response, and treatment data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A. (2021). *Hamilton County OD2A community-wide survey opioid knowledge and opinions Data Brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A. (2021). *Hamilton County OD2A community-wide survey opioid related stigma in Hamilton County data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.
- **White, J.**, Kloepfer, D., Seigrist, L. (2021). *Summary of the U.S. Department of Energy Portsmouth annual site environmental report (ASER) for 2018*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Service.

2020

- Woodruff, S.B., Dixon, M., Hutzler, M., O'Connell, A., Robinson, D., Morio, K., **White, J.**, Li, Y., Lewis, M., Mackenzie, A.H., Meehan, D., Hatsu, I., Slaughter, A., Matthews, L. (2020). *Investing in student wellness and success: Case studies to examine and improve impact, Final report, July 10, 2020*. Oxford, OH: Miami University, Discovery Center for Evaluation, Research, and Professional Learning.

- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A., Schoen, K., Bell, Z. (2020). *Franklin County Overdose Data to Action (OD2A) year one evaluation report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Affairs.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A., Bell, Z. (2020). *Franklin County OD2A community-wide survey naloxone knowledge and opinions in Franklin County data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Affairs.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A., Bell, Z. (2020). *Franklin County OD2A community-wide survey opioid knowledge and opinions in Franklin County data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Affairs.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A., Bell, Z. (2020). *Franklin County OD2A community-wide survey opioid overdose signs, symptoms, response, and treatment data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Affairs.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A., Bell, Z. (2020). *Franklin County OD2A community-wide survey opioid related stigma in Franklin County data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Affairs.
- **White, J.**, Kloepfer, D., Johnson, L., Ruhil, A., Bell, Z. (2020). *Hamilton County OD2A year one evaluation report*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Affairs.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A., Bell, Z. (2020). *Hamilton County OD2A community-wide survey naloxone knowledge and opinions data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Affairs.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A., Bell, Z. (2020). *Hamilton County OD2A community-wide survey opioid overdose signs, symptoms, response, and treatment data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Affairs.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A., Bell, Z. (2020). *Hamilton County OD2A community-wide survey opioid knowledge and opinions data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Affairs.
- Kloepfer, D., **White, J.**, Johnson, L., Ruhil, A., Bell, Z. (2020). *Hamilton County OD2A community-wide survey opioid overdose signs, symptoms, response, and treatment data brief*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Affairs.
- Hutzel, M., Wilson, N., Lewis, M., **White, J.** (2020). *Logan-Hocking school climate transformation grant preliminary evaluation*. Athens, OH: Ohio University's Voinovich School of Leadership and Public Affairs.

Mentorship of Student Research

- 2023 Applied Research—Hannah Fleming. Topic: “Evaluation of Recovery Friendly Hamilton County (RFHC) Initiative.” Student co-authorship of externally sponsored program publication.
- 2022 Secondary Data Analysis—Abi Scherer. Topic: “Evaluation of Hamilton County Overdose Data to Action Program.” Student co-authorship of externally sponsored program publication.
- 2021 Independent Research—Jade Braden. Topic: “A Case Study Correlating Student Participation in Virtual Science Fairs with Household Internet Access.” Presented work at 2021 Ohio University Student Expo.
- 2020 Independent Research—Kofi Baah-Gyimah. Topic: “A Case Study Correlating Student Participation in Virtual Science Fairs with Household Internet Access.”

- 2019 Independent Research—Ethan Greenawalt. Topic: “Does the Lifestraw Keep You Alive?” Presented work at 2019 URG research and scholarship exhibition.
- 2019 Independent Research—Naomi Oberg. Topic: “Survey of Heavy Metal Contamination within the Ohio River Watershed.” Presented work at 2019 URG research and scholarship exhibition.
- 2018 Independent Research—Alex Nichols. Topic: “Concentration of Lead in Playground Soil within Southeast Ohio Region.” Presented work at 2018 URG research and scholarship exhibition.
- 2017 Independent Research – Jay Michael Moore. Topic: “Concentration of Lead in Tea Samples.” Presented work at 2017 Annual Meeting of the Ohio Academy of Science.
- 2016 Independent Research Project—Kim Costilow. Topic: “Effect of Matrix Modification on Measured Signals Using Graphite Furnace Atomic Absorption Spectroscopy.”
- 2015 High School Senior Project – Keara Clay. Topic: “Beer’s Law and Standard Additions.” Wahama High School, Mason, WV.
- 2014 Academic Excellence Initiative Project – Michael MacKnight and Jacob Dotson. Topic: “Correlation of Contamination with Carapace Dimensions in the Common Snapping Turtle of the Southeast Ohio Region.” Presented work at 2014 Annual Meeting of the Ohio Academy of Science.
- 2013 Academic Excellence Initiative Project – Whitney Smith and Brad Altier. Topic: “Accumulation of Lead, Mercury, and PCBs in Chelydra Serpentina of Southeast Ohio.” Presented work at 2013 Annual Meeting of the Ohio Academy of Science.
- 2012 Independent Research – Whitney Smith. Topic: “Photocatalytic Decomposition of Congo Red.” Manuscript published in *American Journal of Water Resources*.
- 2012 Independent Research – Brad Altier. Topic: “Matrix Effect in the Analysis of Lead in Well Water via Atomic Absorption Spectroscopy.” Presented work at 2012 Annual Meeting of the Ohio Academy of Science.
- 2011 Academic Excellence Initiative Project – Derek Haselman and Andrea Merry. Topic: “Effects of Surface Coal Mining on Stream Water Chemistry in the Raccoon Creek Watershed, Ohio.” Presented work at 2011 Provost’s Academic Excellence Initiative Forum. Manuscript published in *Hydrobiologia*.
- 2008 Independent Research Project – Josh Crosier. Topic: “Determination of Soluble Phosphorus Content in Black Walnut Husk Compost.” Manuscript published in *Ohio Journal of Science*.

Awards & Accomplishments

- Honored with Professor Emeritus (of Chemistry) Status, University of Rio Grande, 2022
- Recipient of Edwin A. Jones Excellence in Teaching Award, University of Rio Grande, 2011
- Recipient of Donald R. Clippinger Research Award, Ohio University, 2005
- College of Arts & Sciences Fellow, Ohio University, 2003-2005
- Outstanding Chemistry Graduate Award, Shawnee State University, 2001