

DOUGLAS R. GOUZIE, PhD, PG

Department of Geography, Geology, and Planning, Missouri State University
douglasgouzie@missouristate.edu

Current Position: Professor of Geology, Missouri State University

Education: BS, Geology/Geophysics, 1981, Univ. of Kentucky (Honors Program)
PhD, Geology (Karst Hydrogeochemistry), 1986, Univ. of Kentucky

Work Experience:

Missouri State University, Dept. of Geography, Geology, & Planning, Springfield, MO

Professor, Geology – (Aug 2015- ; Asst.- Jan. 2005-July 2009; Assoc.- Aug.2009-July 2015)

*Primary Faculty member for courses in Speleology; Engineering Geology; Geo. Reporting

*PI or Co-PI on ~\$750,000 of external funding– included full (2 yr) support of 8 MS students

*Serve as statewide resource expert for sinkhole issues; co-taught Missouri Caves MOOC

Director of Graduate Studies – June 2013 – May 2022

*Grew College funding from 9 funded TA's to 18 TA's; enrollments from ~16 to 30+

*Increased 5-year completion rate from 63% to 70+% and updated curriculum

*Record number of MS-graduates for program in 2016/2017 with 90+% cohort completion

Central Coast Water Quality Control Board, Watershed Assessment, San Luis Obispo, CA

Associate Engineering Geologist – (December 2000 – January 2005)

*Develop and implement regulatory Total Maximum Daily Load watershed assessments

*Submit findings to UC-Berkeley peer review; secure adoption at public Board hearings

Arizona Department of Health Services, Office of Environmental Health, Phoenix, AZ

Enviro. Program Specialist– (May– Dec 2000)- Investigate NPL Sites under CDC co-op grant

YoungLife's Southwind Property, Ocklawaha, FL

Intern– (May 1999– April 2000)- Intern in facility management for 250+ bed camp facility

Centers for Disease Control/ Agency for Toxic Substances and Disease Registry (CDC/ATSDR),
Atlanta, GA - (Aug. 1993 - May 1999)

- Technical Project Officer

*Managed co-operative agreements for 5 different state health departments – including technical review and approval of written project reports, and assisting with staff training

- Geologist/ Environmental Health Scientist

*Performed chemical fate and transport analyses for public health evaluation of environmental contamination; managed team evaluations as needed

*Trained and mentored new staff to perform environmental health assessments

Law Environmental, Inc., Kennesaw, GA, Senior Hydrogeologist - (Sept. 1989 – June 1993)

*Proposed, managed, and performed site characterizations, hydrogeologic analyses, remedial investigations, and digital groundwater flow simulations

*Managed team personnel and project schedules up to approximately \$2.5 million

*Testified successfully as expert witness in defense of company and client projects

Emory University, Department of Geology, Atlanta, GA

Assistant Professor - (Aug. 1985-Aug. 1989); Adjunct Faculty - (1989-1999)

*Developed and taught undergraduate and graduate courses: Hydrogeology, Hydrology, Water Quality, Sedimentology, Environmental Science, and Physical Geology

Professional Affiliations and Activities:

Geological Society of America; National Speleological Society; Am Inst of Prof. Geologists
Registered Professional Geologist – NC (exam, 1991); GA (1992); FL (2004); MO (2006)
Member- Academic Transformation Steering committee – Fall 2022/Spring 2023
Chair – MSU Executive Budget Committee - 2022
Chair- N.Central Section of Geol.Soc. of America, 2021
President, Missouri Section of American Institute of Professional Geologists, 2017
Review Panelist for MSU Presidential Scholarships [Honors College] (2008 – present)
Co-Chair of Karst Sessions at Geol. Soc. of America Annual Mtgs – 2014 -2018 (inclusive)
Served as Reviewer for: - Engineering and Environmental Geology Journal; Hydrogeology
Journal; International Science of the Total Environment; International Journal of
Environmental Pollution; Journal of Contaminant Hydrology; National Geographic
Karst Hydrology Grant Applications; USGS Karst Interest Group; Journal of Cave &
Karst Studies; and, Geologic Society of America Publications
Exhibit Hall Coordinator/ Fundraiser (> \$10,000) – GSA Joint NC/SC Meeting, 2010

Publications (Peer Reviewed):

Gouzie, Douglas, 2017. Stop 1- Sequiota Park, Cave and Spring, and Stop 3 –Wilson’s Creek National Battlefield, in *Guide to Field Trips for Association of American State Geologists 109th Annual Meeting*; Prewett, J.L., Bridges, C.S., and Pierce, L. eds., Missouri Geological Survey, Special Publication No. 12, Guidebook No. 27, June 2017.

Johnson, Aaron W., Gutierrez, Melida, **Gouzie, Douglas**, and McAliley, L. Rex, 2016. State of remediation and metal toxicity in the Tri-State Mining District, USA. *Chemosphere*, v144, p1132-1141, Elsevier. <http://dx.doi.org/10.1016/j.chemosphere.2015.09.080> .

Gouzie, Douglas, Berglund, James, and Mickus, Kevin, 2015. The Application of Quantitative Fluorescent Dye Tracing to Evaluate Karst Hydrogeologic Response to Varying Recharge Conditions in an Urban Area. *Environmental Earth Sciences*, v.74, p 3099-3111, Springer. DOI :10.1007/s12665-015-4348-0 .

Berglund, James, Mickus, Kevin, and **Gouzie, Douglas**, 2014. Determining the Relationship Between A Newly Forming Sinkhole and a Former Dry Stream using Electrical Resistivity Tomography and VLF-EM in an Urban Karst Setting. *Interpretation (Soc of Exploration Geophysicists & AAPG)*. V2, n3, p1-11, August 2014. <http://dx.doi.org/10.1190/INT-2013-0064> .

Gouzie, Douglas, Mickus, Kevin, and Mayle, Micah, 2014. Challenges to a Karst Dye-Tracing Investigation in an Urban Brownfields Area, Springfield, Missouri. In: Kuniatsky, E.L., and Spangler, L.E., 2014, U.S. Geological Survey Karst Interest Group Proceedings, Carlsbad, New Mexico, April 29 – May 2, 2014: U.S. Geological Survey Scientific Investigations Report 2014-5035, <http://dx.doi.org/10.3133/sir20145035> . p 44 – 53.

Miao, X., X. Qiu, S. Wu, J. Luo, **D.R. Gouzie**, and H. Xie, 2013..Developing Efficient Procedures for Automated Sinkhole Extraction from LiDAR DEM’s. *Photogrammetric Engineering and Remote Sensing*. Vol 79(6): 545-554.

Gouzie, Douglas, Dodd, R., and White, D., 2010. Dye Tracing Studies in southwestern Missouri, USA: Indication of Stratigraphic Flow Control in the Burlington Limestone. *Hydrogeology Jnl.*, v.18, n.4.

Gouzie, Douglas, and Pendergrass, Gary. February 2009. Investigation and Remediation of the 2006 Nixa, Missouri Collapse Sinkhole. *Environmental and Engineering Geoscience*, v. XV, n. 1, p.13-27.

Dintelmann, D., Gutierrez, M., and **Gouzie, D.**, July 2006. Groundwater Potentiometric Decline in the Springfield, Missouri area. *Environmental Geology*, v. 50, no. 4, p. 541- 549.

Douglas Gouzie, 2004. Clear Creek and Hernandez Reservoir TMDL for Mercury. Proceedings of the Central Coast Regional Water Quality Control Board, March 19, 2004, Agenda Item 20. (All TMDLs undergo UC-Berkeley Peer Review.)

Douglas Gouzie, 2002. Las Tablas Creek and Lake Nacimiento Total Maximum Daily Load for Mercury. Amendment to Central Coast Regional Basin Plan. Proceedings of the Central Coast Regional Water Quality Control Board, November 1, 2002, Agenda Item 6. (All TMDLs undergo UC-Berkeley Peer Review.)

Thraillkill, John, Sullivan, Stephen, and **Gouzie, Douglas**, 1991. Flow Parameters in a Shallow Conduit-Flow Carbonate Aquifer, Inner Bluegrass Karst Region, Kentucky. *Jrnl. of Hydrology*, v.129, p.87-108.

Book Review (by request of Editor):

Gouzie, Douglas, 2020. Book Review: The War on the EPA: America’s Endangered Environmental Protections, in *Groundwater, NGWA*, v. 58 n.5, Sept/Oct 2020. <https://doi.org/10.1111/gwat.13027>

Project Completion Reports and Public Research Reports:

Scherlinck, Kyle J. (Undergrad) and **Gouzie, Douglas**, 2014, Geologic Mapping of George Washington Carver National Monument and Surrounding Area, Missouri: Missouri State University and Geocorps, unpublished map, report and GIS data, scale 1:24,000. (GRI Source Map ID 75961). Digital Geologic Map of George Washington Carver National Monument and Vicinity, Missouri <https://irma.nps.gov/App/Reference/Profile/2219167>
The GRI GWCA Data Store project record,
<https://irma.nps.gov/App/Reference/Profile/2194456>

Gouzie, D., 2014. West Fork Mine Subsidence Report (Letter Report), submitted to Missouri Geological Survey, Missouri Department of Natural Resources, Rolla, MO, July 1, 2014.

Rovey, C., **Gouzie, D.**, and Biagioni, R., 2013. Monitoring and Numerical Modeling of Shallow CO₂ Injection in Greene County, Missouri (report to US Department of Energy [DOE], OSTI ID: 1132562, DOE Contract # FE0001790). DOI: 10.2172/1132562, September 30, 2013.

Gouzie, D., Plymate, T., and Rovey, C., 2013. Missouri Carbon Sequestration Project Phase II Report –Missouri Statewide Site Activities. (subcontract to City Utilities of Springfield Missouri, contract funded by US Department of Energy [DOE]). September 26, 2013.

Gouzie, D. and Mickus, K., 2013. West Meadows Brownfields Site: “New Diesel Spring” Dye Tracing Report. Submitted under contract to Terracon, Inc., Springfield, MO, July 22, 2013.

Gouzie, D., Gutierrez, M., Plymate, T., and Rovey, C., 2013. Missouri Carbon Sequestration Project Phase I Report – John Twitty Energy Center Site Activities. (subcontract to City Utilities of Springfield Missouri, contract funded by Department of Energy [DOE]). January 15, 2013.

Abstracts and Presentations: KEY: Undergrads = *Bold Italics*; Grad Students = **Bold Name**

Gouzie, Douglas, 2022. Career Opportunities in Public Health- Geologists Work There? Geological Society of America Abstracts with Programs. Vol 54, No. 5 doi: 10.1130/abs/2022AM-380279

DeHart, Dorian and Gouzie, Douglas, 2022. Building a Rating Curve for Streams in Springfield, Missouri. Geological Society of America Abstracts with Programs. Vol 54, No. 5 doi: 10.1130/abs/2022AM-376571

Wormington, Donald, Mickus, Kevin and Gouzie, Douglas, 2022. Near Surface Geophysical Investigation of Karst Features in Stone County, Missouri. Geological Society of America *Abstracts with Programs*. Vol. 54, No. 4, doi: 10.1130/abs/2022NC-375385

Gouzie, Douglas, 2021. Public Awareness, NPS Social Media, "Stealth Education," and Undergraduate Enrollments- What Might Work? Geological Society of America Abstracts with Programs. Vol. 53, No. 6, doi: 10.1130/abs/2021AM-368340

Wormington, Donald, Mickus, Kevin, and Gouzie, Douglas, 2021. Geophysical Investigations in Determining the extent of Karst Features South of Springfield, Missouri. Geological Society of America Abstracts with Programs. Vol. 51, No. 6. doi: 10.1130/abs/2021AM-368947

Gouzie, Douglas, 2021. Understanding the Springfield Area Karst System using Caver Observations to Supplement Traditional Methods. Geological Society of America Abstracts with Programs. Vol. 53, No. 3, doi: 10.1130/abs/2021NC-362857

Vega, Jordan, and Gouzie, Douglas, 2020. A Geochemical and Statistical Investigation of the Big Four Springs Region in Southern Missouri. Geological Society of America Abstracts with Programs. Vol. 52, No. 1. doi: 10.1130/abs/2020SC-343844

Engelbart, Tyler, and Gouzie, Douglas, 2020. Core and Geophysical Analysis of Biogenic Tufa Deposits in the Spring River in Northern Arkansas. Geological Society of America Abstracts with Programs. Vol. 52, No. 1. doi: 10.1130/abs/2020SC-343592

Vega, Jordan, and Gouzie, Douglas, 2019. A Geochemical and Statistical Investigation of the Big Four Springs Region in Southern Missouri. Geological Society of America Abstracts with Programs. Vol. 51, No. 5. doi: 10.1130/abs/2019AM-334507

Engelbart, Tyler, Gouzie, Douglas and Mickus, Kevin, 2019. Investigation of Tufa Deposits in the Spring River in Northern Arkansas. Geological Society of America Abstracts with Programs. Vol. 51, No. 5. doi: 10.1130/abs/2019AM-335817

Vega, Jordan, and Gouzie, Douglas, 2019. A Geochemical Analysis of the Major Springs of the Ozark Aquifer within the Big Four Region of South-Central Missouri. Geological Society of America Abstracts with Programs. Vol. 51, No. 2. doi: 10.1130/abs/2019SC-326232

Engelbart, Tyler, and Gouzie, Douglas, 2019. Investigation of Tufa on the Spring River in Northern Arkansas. Geological Society of America Abstracts with Programs. Vol. 51, No. 2. doi: 10.1130/abs/2019SC-327207

- Gouzie, Douglas, 2018. Potential Remediation Methods and Their Applicability to the Tri-State Mining District, Missouri, USA (Invited Talk). Geological Society of America Abstracts with Programs. Vol. 50, No. 6, doi: 10.1130/abs/2018AM-319581
- Gouzie, Douglas and **Lockwood, Benjamin**, 2018. Using Natural Chemical Parameters as Tracers to Define Groundwater Basin Drainage Areas, Springfield, MO. Geological Society of America Abstracts with Programs. Vol. 50, No. 6 doi: 10.1130/abs/2018AM-319578
- Gouzie, Douglas, 2017. Evaluating Barium Concentrations in Cave Sediments –Interpreting and Understanding the Barium Databases. Geological Society of America Abstracts with Programs. Vol. 49, No. 6, doi: 10.1130/abs/2017AM-301630
- Lockwood, Benjamin**, and Gouzie, Douglas, 2017. The Chemical and Statistical Analysis of Geochemical Markers in Karst Groundwater of Springfield, MO Geological Society of America Abstracts with Programs. Vol. 49, No. 6 doi: 10.1130/abs/2017AM-301695
- Lockwood, Benjamin**, and Gouzie, Douglas, 2017. Statistical Analysis of Groundwater Geochemistry in Southwest Missouri, Poster Presented at US Geological Survey Karst Interest Group meeting, May 16-18, 2017, San Antonio, TX.
- Lockwood, Benjamin** and Gouzie, Douglas, 2017. Use of Historical Maps to Evaluate an Urban Sinkhole Incident Geological Society of America Abstracts with Programs. Vol. 49, No. 2 doi: 10.1130/abs/2017NE-289953
- Gouzie, Douglas, and **Lockwood, Benjamin**, 2016. Use of Discriminant Analysis Functions to Determine Flowpaths in Karst Aquifers in Portions of the Inner Bluegrass Karst Region, Kentucky. *Geo. Soc. Amer. Abstr. with Program.* v48, n7, doi: 10.1130/abs/2016AM-282820
- Smith, Matthew D.** and Gouzie, Douglas, 2016. A Trace Metals Database of Cave Sediments of the Midcontinent, USA. *Geo. Soc. Amer. Abstr. with Program.* v48, n5, doi: 10.1130/abs/2016NC-274968.
- Lockwood, Benjamin** and Gouzie, Douglas, 2016. (Undergrad Research) Statistical Analysis of Geochemical Markers in Karst Groundwater of Central Kentucky. *Geo. Soc. Amer. Abstr. with Program.* v48, n5, doi: 10.1130/abs/2016NC-275447
- Smith, Matthew D.** and Gouzie, Douglas, 2015. Building a Trace Metals Database of Cave Sediments of the Midcontinent, USA. *Geo. Soc. Amer. Abstr. with Program.* v47, n7, p.624.
- Johnson, Aaron W., Gutierrez, Melida, Gouzie, Douglas, and McAliley, L. Rex, 2015. Current state of metal toxicity and remediation in the Tri-State Mining District, USA. *Geo. Soc. Amer. Abstr. with Program.* v47, n7, p.660.
- Spoering, Grant R.** and Gouzie, Douglas, 2015. (Undergrad Research) Dye Trace Investigation of Fulbright Spring. *Geo. Soc. Amer. Abstr. with Program.* v47, n.1, p. 12.
- Smith, Matthew D.** and Gouzie, Douglas, 2015. Establishing a Trace Metal Content Database of Cave Sediments of the Midcontinent, USA. *GeoSoc Amer Abstr. with Program.* v47, n1, p12.

- Gouzie, Douglas, and Mickus, Kevin, 2014. Combining Quantitative Dye-Tracing with Geophysical Methods to Understand Karst Conduit Flow Systems. *Geo.Soc.Amer. Abstr. with Program*, v46, n6, p.457.
- Gouzie, Douglas, Mickus, Kevin, and **Mayle, Micah** 2014. (Undergrad Research) Challenges of a Karst Dye-Tracing Investigation in an Urban Brownfields Area. *Geo.Soc.Amer. Abstr. with Program*, v46, n1, p.4.
- Mickus, Kevin, **Gerson, Laura**, and Gouzie, Douglas, 2014. Urban Geophysical Study of Karst Features in Southwest Springfield, Missouri. *GeoSocAmer. Abstr with Program*, v46, n1, p4.
- Mayle, Micah**, Mickus, Kevin, and Gouzie, Douglas, 2013. (Undergrad Research) Using Geophysics and Dye Tracing to Determine a Source for a Contaminated Spring in Springfield, Missouri. *Geo.Soc.Amer. Abstracts with Programs*, v45, n7, p.
- Gerson, Laura**, Mickus, Kevin, and Gouzie, Douglas, 2013. Using Geophysical Methods to Study Karst in Urban Springfield, Missouri. *Geo.Soc.Amer. Abstracts with Programs*, v45, n4, p25.
- Johns, Elizabeth** and Gouzie, Douglas, 2013. Site-Specific Geochemical Modeling of Groundwater, Rock, and Carbon Dioxide Interactions: Implications for Geologic Carbon Sequestration. *Geo.Soc.Amer. Abstracts with Programs*, v45, n4, p.2.
- Gerson, Laura**, Mickus, Kevin, and Gouzie, Douglas, 2012. An Urban Karst Geophysical Study in Springfield, Missouri. *Geo.Soc.Amer. Abstracts with Programs*, v44, n7, p.78.
- Berglund, James** and Gouzie, Douglas, 2012. Conceptualizing Flow Interaction and Conduit Geometry in Near-Surface Karst using a Quantitative Dye Tracing Method. *Geo.Soc.Amer. Abstracts with Programs*, v44, n5, p.20.
- Berglund, James**, Mickus, Kevin, and Gouzie, Douglas, 2012. Studying Urban Karst Features using Near- Surface Geophysics in Springfield, Missouri. *Geo. Soc. of Amer. Abstracts with Programs*, v44, n5, p.27.
- Gerson, Laura**, Mickus, Kevin, and Gouzie, Douglas, 2012. Electrical Resistivity of Smallin Cave, Southwest Missouri. *Geo. Soc. of Amer. Abstracts with Programs*, v44, n5, p.27.
- Gouzie, Douglas, and **Tomlin, Kati**, 2011. Parallelism in Karst Development suggested by Quantitative Dye Tracing Results from Springfield, Missouri. Proc. of USGS Karst Interest Group, USGS Scientific Investigations Report 2011-5031, E.L. Kuniansky, 2011, 212 p.
- Starkey, Molly** and Gouzie, Douglas. 2010. Bulk Elemental Analysis of the Lamotte Sandstone using Non-Destructive X-Ray Fluorescence. *Geol. Soc. of Amer. Abstracts with Programs*, v42, n5, Oct2010.
- Duckworth, Rachel** and Gouzie, Douglas. 2010.(Undergrad Research) Novel Use of an Automated Dye Injection System to Obtain Discharge Values of a Dye-Trace in Ward Branch, Springfield, MO. *Geol. Soc. of Amer. Abstracts with Programs*, v42, n5, Oct2010.
- Henderson, Brandy, Doennig, Anastasia**, and Gouzie, Douglas.2010 (Undergrad Research). Developing an Educational Speleology Packet for Greene County, Missouri. *Geol. Soc. of Amer. Abstracts with Programs*, v42, n2, p. 53, October 2010.
- Starkey, Molly** and Gouzie, Douglas 2010. Geochemical variation of the Lamotte Sandstone in southwest Missouri. *Geol. Soc. of Amer. Abstracts with Programs*, v42, n2, p53, Apr 2010.

Stanke, Barrett and **Gouzie, Douglas** 2010. Time-Series relationships in an urban karst watershed in Springfield Missouri. *Geol. Soc. of Amer. Abstracts with Programs*, v42, n2, p78, Apr 2010.

Tomlin, Katherine and **Gouzie, D.** Quantitative Dye Tracing Investigation of Groundwater Flow in the Ward Branch Watershed, Springfield, Missouri. *Geol Soc. Of Am. Abst. with Prog.*,v42, n2, p.98, Apr2010.

Invited Presentations:

- Karst along the Trail, Keynote Speaker, Ozark Trails Association Annual Conference, 2016.
- Karst Geology, Keynote Speaker, Missouri Master Naturalists Annual Conference, May 3, 2015.
- Secrets of the Earth - Sinkholes – On-camera and voice-over appearances, one-hour show for the Weather Channel (produced by Flight 33 Productions), first air date: Nov.10, 2014.
- Living with our Landscape: Lessons from Sinkholes, Summer Science Series Lecture (via Skype), Broward County, FL Public Libraries, June 24, 2014.
- Living with our Landscape: Lessons from Sinkholes, Spfld Discovery Center Science Cafe, 2011
- Living with our Landscape: Lessons from Sinkholes, Springfield Mature Learners Institute, 2010
- Living with our Landscape: Lessons from Sinkholes, Greene Co Master Naturalists, 2010
- Power to the People: Carbon Sequestration and Energy Options, Springfield Rotary Club, 2009
- Living with our Landscape: The 2006 Nixa Sinkhole, CNAS Lecture Series, Missouri State, 2009
- Dye-Tracing in the Springfield Karst Region. Invited Lecture, U. of Arkansas, 2007
- The 2006 Nixa Sink: Economics, Politics, Science, and People Meet. Invited, U. of Missouri, 2007

External Funding Activity:

Awards Funded

- 2014 – **PI** - National Park Service, Geologic Resource Division - Oversight of summer Geocorps Student Project, \$300 (earned \$3000 internship for MSU-GGP student)
- 2013 – **PI** – Terracon, Inc w/City of Springfield (Brownfields Site, USEPA contract) – Geophysical Survey and Dye Tracing for the “New Diesel Spring” at the West Meadows Site, \$6900
- 2011 – **PI** - Springfield (MO) City Utilities, Missouri Carbon Sequestration Project, Additional tasks \$88,000 (contractor to CU on \$2.2 million grant extension from U.S. DOE)
- 2009 – **co-PI** – US Dept of Energy, Monitoring and Numerical Modeling of Shallow CO2 Injection, Greene County, Missouri, \$293,118
- 2008 – **PI** - Springfield (MO) City Utilities, Missouri Carbon Sequestration Project, \$344,765 (contract partner to City Utilities on \$2.2 million grant from U.S. Dept. of Energy)
- 2008 – **PI** - Table Rock Lake Water Quality, Inc., Optical Brightener Study, \$9024
- 2007 – **PI** - Summerville Family, Matching Alumni Challenge Grant, \$20,000
- 2006 – **PI** - Watershed Committee of the Ozarks, Missouri Speleological File Indexing, \$5559
- 2006 – **co-PI** - James River Basin Partnership, Finley Creek Water Quality Baseline, \$6757
- 2006 - **co-PI** - Missouri State University, Graduate Student Recruitment Initiative, \$3250 (internal)
- 2005 – **PI** - Missouri State University Faculty Research Grants, Field Optimization of Streamflow Measurement using Fluorescent Dye Dilution, \$5210 (internal)

Total external funds at Missouri State U: apprx. \$750,000 (~\$450,000 as PI + ~\$300,000 as co-PI)

Masters Students Mentored as Primary Thesis Advisor:

Diprima, Leonard A., Jr. – Emory University, 1989
White, David A. – (Southwest) Missouri State University, 2006
Dodd, Rebecca Peterson – (Southwest) Missouri State University, 2007
Robbins, Michael – did not finish (started Fall 2007)
Stanke, Barrett – Missouri State University, 2010
Tomlin (Spinks), Katherine – Missouri State University, 2010
Starkey, Molly A. – Missouri State University, 2011
Berglund, James – Missouri State University, 2012
Diaz, Nathan – Missouri State University, 2020
Johns, Elizabeth – Missouri State University, 2014
Smith, Matt – Missouri State University, 2016
Lockwood, Benjamin – Missouri State University, 2018
Engelbart, Tyler – Missouri State University, 2020
Vega, Jordan J. – Missouri State University, 2020
McDaniel, James – Missouri State University, (on track for May 2024)
Note: 12 out of 13 Missouri State University students completed; 9 of those ‘on-time’ (≤ 2 years)

Masters Students Mentored as Committee Member:

2007 – Gopala Borchelt
2009 – Lucas Rengstorf; Patrick Womble
2010 – Erin Hutchinson; Brad Mitchell
2011 – Marissa Berger
2012 – Andrew DeWitt
2013 – Stephen Shields; Stephanie Stratton
2014 – Loring Bullard; Emme Mayle; Jessica Peebles
2015 – Brandon Ives
2016 – Blake Lea
2017 - Travis Fultz
2021 – Madeleine Konopinski; Kapil Phuyal
2022 – Drew Laviada-Garmon; Donald Z. Wormington

Undergraduate Research Projects Mentored:

Brian Houser – 2006
Angie Anderson - 2008
Trevor McLouth – 2008, 2009
Annie Doennig, Brandy Henderson* – 2010
Rachel Duckworth (summer REU experience, U.Missouri student)* – 2010
Sarah Morris, Thomas Sensaman - 2011
Matt Butler – 2012, 2013
Micah Mayle* - 2013
Kyle Scherlinck #; 2014
Grant Spoering*# - 2014/15
Ben Lockwood * – 2016
Dorian DeHart# - 2020/21, 2021/22

Note: * = presented by student(s) at Geologic Society of America Meeting

= presented by student at AMG/ Mo-AIPG Annual Mtg. or Mo Acad. Of Science Mtg.