

Curriculum Vitae

Dr. John Warren Huntley, Assistant Professor

Department of Geological Sciences
University of Missouri
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Education

Ph.D. Geosciences	Virginia Polytechnic Institute and State University, 2007 Advisor: Michał Kowalewski
M.S. Geology	University of North Carolina at Wilmington, 2003 Advisor: Patricia H. Kelley
B.S. Geology	Appalachian State University, 2000
German Language School	<i>did</i> Deutsch Institut-München, 2009 Two months of intensive language courses
Marine Biology Field Course	Friday Harbor Laboratories - University of Washington, 2004 Predator-Prey Interactions, Instructors: Michał Kowalewski and Lindsey Leighton
Geology Field Camp	Appalachian State University, 1999 Feltre and San Martino di Castrozza, Italy Instructors: Fred Webb, Jr. and Lucio D'Alberto

Professional Employment

2013-present	<i>Assistant Professor</i> Department of Geological Sciences University of Missouri, Columbia, MO
2011-2013	<i>Visiting Assistant Professor</i> Department of Geology St. Lawrence University, Canton, NY
2009-2011	<i>Humboldt Research Fellow</i> GeoZentrum Nordbayern Friedrich-Alexander Universität, Erlangen, Germany
2008-2009	<i>Lecturer</i> Department of Earth and Environmental Sciences University of Kentucky, Lexington, KY
2007-2008	<i>Postdoctoral Associate</i> Department of Geosciences VPI&SU, Blacksburg, VA

Publications

Peer-Reviewed Journal Articles and Book Chapters

(#student author; *corresponding author)

In Preparation

- O'Neil, G.R.[#], **J.W. Huntley**, Y. Cai, J.D. Schiffbauer*. In Progress. The importance of biotic interactions in shaping Ediacaran benthic communities.
- Selly, T.L.[#], J.D. Schiffbauer*, **J.W. Huntley**, A.C. Daley. In Progress. Compositional hyperspace analysis of anomalocaridids to assess the taphonomic role of aluminosilicates in Burgess Shale-type preservation.
- J.W. Huntley***, M.R. Ruga[#], F.T. Fürsich, M. Alberti., M. Hethke, C. Liu. In Progress. Holocene temperature, salinity, and nutrient availability in the Pearl River Delta: Implications for coupled sea level rise and parasite prevalence.
- J.W. Huntley***, M.J. Jeffrey[#], J.D. Schiffbauer, D.A. Fike, K.L. Shelton. In Progress. Context matters: The influences of depositional environment and sedimentation rate on the stratigraphic record of the SPICE.
- Ruga, M.R.[#], **J.W. Huntley***. In Progress. Conch fritters through time: Human predation and population demographics of *Strombus gigas* on San Salvador Island.
- J.W. Huntley***, L.R. Linehan[#], K. De Baets, D. Scarponi, A.A. Klompmaker, M. Azzarone[#]. In Progress. The Phanerozoic history of parasite-host interactions amongst marine invertebrates.

In Revision

- Huntley, J.W.***, J.D. Schiffbauer, T.D. Avila[#], J.S. Broce[#]. In Revision. Live-dead fidelity and spatial averaging of ecophenotypic variation and body size among intertidal bivalves. *Paleobiology*.

In Press

- Huntley, J.W.***, T. Selly[#], K.L. Shelton, J.D. Schiffbauer. In Press. Trilobite Predation. *Access Science*.
- Selly, T.L.[#], K.E. Hale[#], J.D. Schiffbauer, D.A. Clapp[#], **J.W. Huntley***. In Press. The influence of environmental gradients on molluscan diversity, body size, and predator-prey interactions in a modern carbonate tidal creek setting. *American Journal of Science*.

Published

24. Soldati, A.[#], J. Beem[#], F. Gomez, **J.W. Huntley**, T. Robertson[#], A. Whittington. 2017. Emplacement Dynamics and Timescale of a ~7ka Flow from the Cima Volcanic Field (CA): Insights from Rheology and Morphology. *Journal of Volcanology and Geothermal Research* 347:91-111.
23. Scarponi, D., M. Azzarone[#], M. Kowalewski, **J.W. Huntley***. 2017. Surges in trematode prevalence linked to centennial-scale flooding events in the Adriatic. *Scientific Reports*. Article number: 5732
doi:10.1038/s41598-017-05979-6.
22. Klompmaker, A.A.*., M. Kowalewski, **J.W. Huntley**, S. Finnegan. 2017. Increase in predator-prey size ratios throughout the Phanerozoic history of marine ecosystems. *Science* 356:1178-1180.
21. Muscente, A.D.*., J.D. Schiffbauer, J. Broce[#], M. Laflamme, K. O'Donnell, T.H. Boag, M. Meyer, A.D. Hawkins, **J.W. Huntley**, M. McNamara, L.A. MacKenzie, G.D. Stanley, Jr., N.W. Hinman, M.H. Hofmann, S. Xiao. 2017. Exceptionally preserved fossil assemblages and soft tissue preservation through geologic time and space. *Gondwana Research* 48:164-188.
20. Schiffbauer, J.D.*., **J.W. Huntley**, D.A. Fike, M. Jeffrey[#], J.M. Gregg, K.L. Shelton. 2017. Decoupling biogeochemical records, extinction, and environmental change in the Cambrian SPICE event. *Science Advances* 3:e1602158.
19. Schiffbauer, J.D.*., **J.W. Huntley**, G.R. O'Neil[#], S.A.F. Darroch, M. Laflamme, Y. Cai. 2016. The latest Ediacaran wormworld fauna: Setting the ecological stage for the Cambrian Explosion. *GSA Today* 26(11):4-11.

18. Scarponi, D., G. Della Bella, B. Dell'Angelo, **J. W. Huntley**, M. Sosso. 2016. Middle Miocene Conoidea (Mollusca) from western Ukraine (Paratethys): Integrative taxonomy, palaeoclimatological and palaeobiogeographical implications. *Acta Palaeontologica Polonica* 61:327-344.
17. Selly, T.L.#, **J.W. Huntley**, K.L. Shelton, J.D. Schiffbauer*. 2016. Ichnofossil record of selective predation by Cambrian trilobites. *Palaeogeography, Palaeoclimatology, Palaeoecology* 444:28-38.
16. **Huntley, J.W.**, K. De Baets. 2015. Trace fossil evidence of trematode – bivalve parasite – host interactions in deep time. *Advances in Parasitology* 90:201-231.
15. **Huntley, J.W.**, D. Scarponi. 2015. Geographic variation of parasitic and predatory traces on mollusks in the northern Adriatic Sea, Italy: Implications for the stratigraphic paleobiology of biotic interactions. *Paleobiology* 41:134-153.
14. **Huntley, J.W.**, F.T. Fürsich, M. Alberti., M. Hethke, C. Liu. 2014. A complete Holocene record of trematode-bivalve infection and implications for the response of parasitism to climate change. *Proceedings of the National Academy of Sciences* 111:18150-18155. Featured in *Eos* vol. 95, no. 50, 16 December 2014. Featured in *Science* “Editor’s Choice” vol. 346, issue 6216, p. 1478; 19 December 2014.
13. Scarponi, D., **J.W. Huntley**, L. Capraro, S. Raffi. 2014. Stratigraphic paleoecology of the Valle di Manche Section (Crotone Basin, Italy): A Candidate GSSP of the Middle Pleistocene. *Palaeogeography, Palaeoclimatology, Palaeoecology* 402:30-43.
12. Dexter, T.A., D.S. Kaufman, R.A. Krause, Jr., S.L. Barbour, M.G. Simoes, **J.W. Huntley**, Y. Yanes, C.S. Romanek, M. Kowalewski. 2014. A continuous multi-millennial record of surficial bivalve mollusk shells from the São Paulo Bight, Brazilian Shelf. *Quaternary Research* 81:274-283.
11. Tyler, C.L., L.R. Leighton, S.J. Carlson, **J.W. Huntley**, M. Kowalewski. 2013. Predation on modern and fossil brachiopods: Assessing chemical defenses and palatability. *Palaios* 28:724-735.
10. Ayoub-Hannaa, W., **J.W. Huntley**, F.T. Fürsich. 2013. Significance of Detrended Correspondence Analysis (DCA) in palaeoecology and biostratigraphy: A case study from the Upper Cretaceous of Egypt. *Journal of African Earth Sciences* 80:48-59.
9. **Huntley, J.W.**, D.S. Kaufman, M. Kowalewski, C.S. Romanek, R.J. Neves. 2012. Sub-centennial resolution amino acid geochronology for the freshwater mussel *Lampsilis* for the last 2000 years. *Quaternary Geochronology* 9:75-85.
8. **Huntley, J.W.**, D. Scarponi. 2012. Evolutionary and ecological implications of trematode parasitism of modern and fossil northern Adriatic bivalves. *Paleobiology* 38:40-51.
7. **Huntley, J.W.** 2011. Exploratory multivariate techniques and their utility for understanding ancient ecosystems, p.23-48. M. Laflamme, J.D. Schiffbauer, S.Q. Dornbos (eds.). *Quantifying the evolution of early life: numerical approaches to the evaluation of fossils and ancient ecosystems. Topics in Geobiology: v. 36*, Springer.
6. **Huntley, J.W.** 2009. Phanerozoic predation intensity and diversity, p.278-281. McGraw-Hill *Yearbook of Science and Technology* 2009.
5. **Huntley, J.W.**, Y. Yanes, M. Kowalewski, C. Castillo, A. Delgado-Huertas, M. Ibanez, M.R. Alonso, J.E. Ortiz, T. de Torres. 2008. Testing limiting similarity in Quaternary terrestrial gastropods. *Paleobiology* 34(3):378-388. Featured in *Science* “Editor’s Choice” vol. 322 issue 5900, p. 348; 17 October 2008.
4. **Huntley, J.W.**, M. Kowalewski. 2007. Strong coupling of predation intensity and diversity in the Phanerozoic fossil record. *Proceedings of the National Academy of Sciences* 104:15006-15010. Article from the cover. Listed in Faculty of 1000 Biology.
3. **Huntley, J.W.** 2007. Towards establishing a modern baseline for paleopathology: trace-producing parasites in a bivalve host. *The Journal of Shellfish Research* 26:253-259.
2. **Huntley, J.W.**, S. Xiao, and M. Kowalewski. 2006. On the morphological history of Proterozoic and Cambrian acritarchs, p. 23-56. S. Xiao and A.J. Kaufman (eds.). *Neoproterozoic Geobiology and Paleobiology, Topics in Geobiology: v. 27*, Springer.
1. **Huntley, J.W.**, S. Xiao, and M. Kowalewski. 2006. 1.3 billion years of acritarch history: an empirical morphospace approach. *Precambrian Research* 144:52-68.

Abstracts *indicates presenting author, #indicates student abstract

- Huntley, J.W.*, L.C. Linehan#, K. De Baets. 2017. Phanerozoic trends in parasite-host interactions among common marine benthos: Mounting risk or spurious consequence of a biased record? GSA Abstracts with Programs vol. 49, no. 6.
- Ruga, M.R. #*, J.W. Huntley. 2017. Conch fritters through time: Human predation and population demographics of *Strombus gigas*, San Salvador Island, Bahamas. GSA Abstracts with Programs vol. 49, no. 6.
- Jeffrey, M.J.#*, J.W. Huntley, J.D. Schiffbauer, D.A. Fike, K.L. Shelton. 2017. Influences of environmental variation and sedimentation rate on the recording of the Steptoean Positive Carbon Isotope Excursion (SPICE) in Missouri. GSA Abstracts with Programs vol. 49, no. 6.
- Soldati, A.#*, J. Beem, F. Gomez, J.W. Huntley, T. Robertson, A. Whittington. 2017. Emplacement dynamics and timescale of a Holocene flow from the Cima Volcanic Field (CA): Insights from rheology and morphology. GSA Abstracts with Programs vol. 49, no. 6.
- Scarponi, D.*, J.W. Huntley, et al. 2017. Parasites and Holocene sea-level rise: Recurrent upsurges in trematode infestation linked to repeated flooding events in the Adriatic Sea. EGU General Assembly.
- Scarponi, D.*, J.W. Huntley, M. Azzarone, T. Scirocco. 2016. Repeated association of sea-level rise and trematodes documented in the Holocene Po plain succession (Italy). LAGUNET 2016: Italian Network Congress for the Lagoon Research, Lesina, Foggia, Italy.
- Azzarone, M., J.W. Huntley, D. Scarponi, L.C. Linehan#, M. Kowalewski. 2016. Changes in trematode infestation rates across parasequences: Insights from Holocene deposits of the Po coastal plain, Italy. GSA Abstracts with Programs vol. 48, no. 7.
- Jeffrey, M.J.#*, J.W. Huntley, J.D. Schiffbauer, D.A. Fike, K.L. Shelton. 2016. Stratigraphic variation of the SPICE event in upper Cambrian carbonates of southern Missouri. GSA Abstracts with Programs vol. 48, no. 7.
- Klompmaker, A.A.*, M. Kowalewski, J.W. Huntley, S. Finnegan. 2016. Increasing size of drilling predators throughout the history of metazoan ecosystems. GSA Abstracts with Programs vol. 48, no. 7.
- Linehan, L.C.#*, J.W. Huntley. 2016. Parasitism in marine ecosystems through geologic time. GSA Abstracts with Programs vol. 48, no. 7.
- Muscente, A.D.*, M. Laflamme, J.D. Schiffbauer, J.S. Broce, K.H. O'Donnell, T.H. Boag, M. Meyer, A.D. Hawkins, J.W. Huntley, S. Xiao. 2016. Exceptionally preserved fossil assemblages through geologic time and space. GSA Abstracts with Programs vol. 48, no. 7.
- O'Neil, G.R.#*, J.D. Schiffbauer, J.W. Huntley, Y. Cai. 2016. The importance of biotic interactions in shaping Ediacaran benthic communities: A comparative case study of the Gaojiashan and Mistaken Point biotas. GSA Abstracts with Programs vol. 48, no. 7.
- Schiffbauer, J.D.*, J.W. Huntley, D.A. Fike, M.J. Jeffrey#, J.M. Gregg, K.L. Shelton. 2016. Decoupling excursions, extinctions, and environmental change: The time-transgressive and facies-dependent Cambrian SPICE event. GSA Abstracts with Programs vol. 48, no. 7.
- Selly, T.#, K.E. Hale#, D.A. Clapp#, J.D. Schiffbauer, J.W. Huntley*. 2016. Environmental gradients in a tidal carbonate lagoon (Pigeon Creek, San Salvador Island, Bahamas) and their relationship to molluscan diversity, body size, and predator-prey interactions. GSA Abstracts with Programs vol. 48, no. 7.
- Selly, T.#*, J.D. Schiffbauer, J.W. Huntley. 2016. Drilling predation and taphonomy of gastropods along environmental gradients, San Salvador, Bahamas. GSA Abstracts with Programs vol. 48, no. 5.
- Schiffbauer, J.D.*, K.L. Shelton, J.W. Huntley, D.A. Fike, J.M. Gregg. 2016. Recognition of SPICE in the upper Cambrian of southern Missouri: Interaction of local and global carbon factories. Gordon Research Conference – Geobiology: Reconstructing processes from genes to the geologic record. Galveston, TX.
- Huntley, J.W.*, K. De Baets, D. Scarponi. 2015. The trace fossil record of trematode-bivalve parasite-host interactions. GSA Abstracts with Programs vol. 47, no. 7.
- Scarponi, D.*, M. Azzarone, J.W. Huntley. 2015. Holocene record of trematode-bivalve interaction in regressive back-barrier settings of the Po Plain (Italy). GSA Abstracts with Programs vol. 47, no. 7.
- Hale, K.E.#*, J.W. Huntley, D. Scarponi, R.P. Stuart III#. 2015. *Tapes phillipinarum* as an archive of heavy metal pollution in lagoons of the northern Adriatic coast, Italy: A bivalve sclerochemical approach. GSA Abstracts with Programs vol. 47, no. 7.
- O'Neil, G.E.#*, J.W. Huntley, J.D. Schiffbauer. 2015. Evolutionary and ecological implications of body size dynamics of Ediacara organisms. GSA Abstracts with Programs vol. 47, no. 7.
- Schiffbauer, J.D.*, K.L. Shelton, J.W. Huntley, D.A. Fike, J.M. Gregg. 2015. Recognition of SPICE and other carbon isotope excursions in the Upper Cambrian of southern Missouri: Interaction of local and global carbon factories. GSA Abstracts with Programs vol. 47, no. 7.
- Selly, T.#*, J.W. Huntley, K.L. Shelton, J.D. Schiffbauer. 2015. Caught in the act: Ichnofossil record of selective predation by Cambrian trilobites. GSA Abstracts with Programs vol. 47, no. 7.
- Scarponi, D.*, L. Angeletti, M. Taviani, J.W. Huntley, A. Amorosi, A. Negri, G. B. Vai. 2015. Stratigraphic Paleobiology of the Taranto Area. Geophysical Research Abstracts, vol. 17, EGU2015-9275, EGU General Assembly 2015.
- Selly, T.L.#, J.D. Schiffbauer, J.W. Huntley. 2015. Quantitative taphonomic assessment of *Anomalocaris* from middle Cambrian shales of the southwestern United States. Central States Microscopy and Microanalysis Society Spring Meeting, Columbia, MO, March 2015.
- Schiffbauer, J.D., T. Selly, J.W. Huntley, K.L. Shelton. 2015. Trilobite hunting (?) grounds of the Cambrian Davis Formation, southeastern Missouri. GSA Abstracts with Programs, vol. 47, no. 2.
- Huntley, J.W.*, F. T. Fürsich, M. Alberti, M. Hethke, C. Liu. 2014. A complete Holocene record of trematode prevalence from the Pearl River Delta, China: Implications for global change and the future of disease. GSA Abstracts with Programs, vol. 46, no. 6.
- Selly, T.#, J. D. Schiffbauer, J. W. Huntley. 2014. Quantitative taphonomic assessment of *Anomalocaris* from Middle Cambrian shales of the southwestern United States. GSA Abstracts with Programs, vol. 46, no. 6.
- Huntley, J.W.*, D. Scarponi. 2014. Stratigraphic paleobiology of trematode parasites and bivalve hosts. 10th North American Paleontological Convention Abstracts. Gainesville, FL.
- Scarponi, D.*, J.W. Huntley, L. Capraro. 2014. Stratigraphic paleoecology of the Valle di Manche section (Crotone Basin, Italy): a candidate GSSP of the Middle Pleistocene. 10th North American Paleontological Convention Abstracts. Gainesville, FL.

- Huntley, J.W.***, D. Scarponi, F.T. Fürsich. 2013. Viewing temporal trends of biotic interactions in the light of spatial variation: parasite prevalence in modern northern Adriatic bivalves. *GSA Abstracts with Programs*, vol. 45, no. 7.
- Harris, J.M.#, **J.W. Huntley**. 2013. Quantifying ecophenotypic variation and taphonomic bias in the morphology of sub-fossil *Crepidula fornicata* from Cape Cod, Massachusetts, USA. *GSA Abstracts with Programs*, vol. 45, no. 7.
- Dexter, T.A.* , D.S. Kaufman, R.A. Krause, Jr., S.L. Barbour, M.G. Simoes, **J.W. Huntley**, Y. Yanes, C.S. Romanek, M. Kowalewski. 2013. A continuous multi-millennial record of surficial bivalve mollusk shells from the São Paulo Bight, Brazilian Shelf. *GSA Abstracts with Programs*, vol. 45, no. 7.
- Dexter, T.A.* , D.S. Kaufman, R.A. Krause, Jr., C.S. Romanek, Y. Yanes, **J.W. Huntley**, M. Simoes. 2013. Bathymetric variation in time-averaging across a modern shelf. *GSA Abstracts with Programs*, vol. 45, no. 2.
- Huntley, J.W.***, J.D. Schiffbauer. 2012. Proposed skeletal repair and accretionary growth of an enigmatic Ediacaran organism, Albemarle Group, North Carolina. *GSA Abstracts with Programs*, vol. 44, no. 7.
- Huntley, J.W.***, D. Scarponi. 2011. Trematode parasitism of modern and fossil northern Adriatic bivalves. *GSA Abstracts with Programs*, vol. 43, no. 5.
- Huntley, J.W.**, D. Scarponi. 2011. Sequence stratigraphic, evolutionary, and ecological implications of trematode parasitism of Holocene northern Adriatic bivalves. *Geitalia 2011: VIII Forum Italiano di Scienze della Terra*, Torino.
- Kowalewski, M.* , T.A. Dexter, D.S. Kaufman, R.A. Krause, Jr., S.L. Barbour Wood, M.G. Simoes, **J.W. Huntley**, Y. Yanes, C.S. Romanek. 2011. A multi-millennial record provided by amino-acid dated bivalve shells from the southern Brazilian shelf. *GSA Abstracts with Programs*, vol. 43, no. 2.
- Tyler, C.L.* , L.R. Leighton, S.J. Carlson, **J.W. Huntley**, R.A. Krause, Jr., M. Kowalewski. 2010. Brachiopods as acceptable prey: predation on modern and fossil brachiopods. *GSA Abstracts with Programs*, vol. 42, no. 5.
- Huntley, J.W.***, D. Scarponi. 2010. Evolutionary and ecological implications of trematode parasitism of modern and fossil northern Adriatic bivalves. *Jahrestagung der Paläontologischen Gesellschaft 2010*.
- Huntley, J.W.*** 2009. Organismal interactions in deep time: elucidating the fossil record of parasitism in mollusks. *Alexander von Humboldt Stiftung, Abstracts – Netzwerktagung Heidelberg: 24-26 November 2009*, p. 40.
- Dexter, T.A.* , Y. Yanes, **J.W. Huntley**, R.A. Krause, Jr., D.S. Kaufman, C.S. Romanek, M. Kowalewski, M.G. Simoes, S.L. Barbour Wood. 2009. Reconstructing paleo-environmental conditions using the bivalve *Semele casali* from Ubatuba Bay, Brazil. *GSA Abstracts with Programs*, vol. 41, no. 7.
- Tyler, C.L.* , L.R. Leighton, S.J. Carlson, **J.W. Huntley**, R.A. Krause, Jr., M. Kowalewski. 2009. The well- defended brachiopod: you don't have to taste bad to live well. *GSA Abstracts with Programs*, vol. 41, no. 7.
- Huntley, J.W.***, Y. Yanes, M. Kowalewski. 2009. Body size distributions as a means to test for the evolutionary importance of competition among terrestrial gastropod species. *9th North American Paleontological Convention Abstracts*, p. 37-38. Cincinnati, OH.
- Huntley, J.W.***, R.A. Krause, Jr., C.S. Romanek, D. Kaufman, M. Kowalewski, S. Barbour Wood, M. Simoes. 2008. Upwelling and freshwater runoff events recorded in the Brazilian bivalve *Semele casali*. *GSA Abstracts with Programs*, vol. 40, no. 6.
- Xiao, S.* , L. Dong, **J.W. Huntley**, B. Shen, M. Kowalewski. 2008. Quantitative analysis of Precambrian fossils. *GSA Abstracts with Programs*, vol. 40, no. 6.
- Kowalewski, M.* and **J.W. Huntley**. 2008. The Phanerozoic fossil record of predation traces. *Ichnia 2008*.
- Leighton, L.R.* , **J.W. Huntley**, R.A. Krause, Jr., M. Kowalewski, and S.J. Carlson. 2008. How tasty are brachiopods? Examining predation on a “refugia” taxon. *Ecological Society of America, Annual Meeting*.
- Huntley, J.W.***, R.A. Krause, Jr., M. Kowalewski, C.S. Romanek, D.S. Kaufman, M.G. Simoes. 2007. Relating productivity events to Holocene bivalve shell growth rates. *Eos Trans. AGU*, 88 (52), Fall Meet. Suppl., Abstract PP31C-0542.
- Kowalewski, M.* and **J.W. Huntley**. 2007. The fossil record of predation: a quantitative overview. *GSA Abstracts with Programs*, vol. 39, no. 6.
- Krause, Jr., R.A., **J.W. Huntley***, M. Kowalewski, C.S. Romanek, D.S. Kaufman, M.G. Simoes. 2007. Assessing environmental factors associated with changes in the growth rate of *Semele casali* through the Holocene. *First International Sclerochronology Conference*, St. Petersburg, Florida, USA.
- Huntley, J.W.***, M. Kowalewski. 2007. 550 million years of drilling predation: initial results from a species-level predation database. *GSA Abstracts with Programs*, vol. 39, no. 2.
- Huntley, J.W.***, Y. Yanes, M. Kowalewski. 2006. A tale of two snails: testing limiting similarity in Quaternary *Theba*. *GSA Abstracts with Programs*, vol. 38, no. 7.
- Xiao, S.* , L. Dong, **J.W. Huntley**, M. Kowalewski. 2006. Proterozoic evolution of photosynthetic eukaryotes: a primer for Proterozoic evolution of ocean and atmospheric redox state. *GSA Abstracts with Programs*, vol. 38, no. 7.
- Huntley, J.W.*** 2006. A modern baseline for paleopathology: documenting a diverse trace-producing parasite fauna in live-collected bivalves. *GSA Abstracts with Programs*, vol. 38, no. 3.
- Huntley, J.W.***, C.S. Romanek, M. Kowalewski, and M.E. Brown. 2005. Variations in the Hg and N content of shells from freshwater mussels exposed to Hg contamination. *GSA Abstracts with Programs*, vol. 37, no.7.

- Huntley, J.W.***, S. Xiao, and M. Kowalewski. 2004. Trends in body-size and morphological disparity of Proterozoic through middle Cambrian acritarchs: a literature-based approach. *GSA Abstracts with Programs*, vol. 36, no. 5.
- Huntley, J.W.***, S. Xiao, and M. Kowalewski. 2004. Secular patterns in morphological disparity and body size of acritarchs through the Neoproterozoic and early Cambrian. *GSA Abstracts with Programs*, vol. 36, no. 2.
- Huntley, J.W.*** and P.H. Kelley. 2003. Evolution of predation-related characters in Miocene through Pleistocene Atlantic coastal plain corbulids and lucinids. *GSA Abstracts with Programs*, vol. 35, no. 1.
- Pierson, J.A.*, J.W. Huntley, S. Kezios, K. Shafer, and W.B. Harris. 2003. An interactive groundwater model for middle schools. *GSA Abstracts with Programs*, vol. 35, no. 1.
- Kelley, P.H., M.A. Crump, **J.W. Huntley***, H.M. Key, K.A. Nelson, and J.A. Pierson. 2002. Paleocology of the Waccamaw Formation (Plio-Pleistocene) near Old Dock, Columbus County, North Carolina. *GSA Abstracts with Programs*, vol. 34, no. 2.

Teaching Experience

- University of Missouri: Principles of Geology (4), Historical Geology (4), Patterns and Processes in the Fossil Record (undergraduate/graduate), Quantitative Paleobiology (2; graduate), Advanced Paleontology (graduate), *R* for Geoscientists (1; graduate)
- St. Lawrence University: Invertebrate Paleontology, Paleoecology, Evolution & Extinction, Dinosaurs, The Evolving Earth, History of Geology in the United Kingdom, The Dynamic Earth Laboratory, and SYE: Biodiversity of Marine Invertebrates in Deep Time
- University of Kentucky: Historical Geology, Earthquakes & Volcanoes, Sustainable Planet: The Geology of Natural Resources
- Duke University TIP: Geologic Adventures along the Appalachian Trail and Paleontology (summer course at introductory undergraduate level for academically-gifted middle and high school students from diverse socio- economic backgrounds)
- Friday Harbor Labs (TA): Predator-Prey Interactions: Experimental and Field Approaches (Graduate-level course)
- VPI&SU (TA): Paleontology Laboratory, Earth and Life through Time Laboratory, Physical Geology Laboratory, and Resources Geology (Lecture Assistant)
- NSF GK-12 Fellow: Served as resource and mentor for socio-economically diverse middle school students in science class, produced inquiry-based science lessons and activities, aided middle school science teacher with lesson plans and activities for class
- UNC-Wilmington (TA): Invertebrate Paleontology Laboratory, Stratigraphy Laboratory, Physical Geology Laboratory, and Physical Geography Laboratory
- NC Summer Ventures (TA): Oceanography. Responsibilities: aid academically-gifted high school students from diverse socio-economic backgrounds with research project design and logistics
- ASU (TA): Physical Geology Laboratory

Graduate Student Advising

Graduate Advisor

- 2017-present Ranjeev Epa (PhD)
- 2017-present Gabriel Jacobs (PhD)
- 2016-present Mikaela Ruga (MS)

- 2015-2017 Matthew Jeffrey (MS; co-advised with Kevin Shelton; successfully defended June 21, 2017)
- 2015-2017 Liane Linehan (MS; successfully completed June 14, 2017)
- 2014-2016 Kelly Hale (MS; successfully defended April 19, 2016)

Graduate Committee Member

- 2015-present Tara Selly (PhD), Mizzou Geology
- 2013-present Shannon Haynes (PhD), Mizzou Geology
- 2013-present Jesse Broce (PhD), Mizzou Geology
- 2016-2017 Kate Ferguson (MS), Mizzou Geology
- 2015-2016 Page Quinton (PhD), Mizzou Geology
- 2014-2016 Gretchen O'Neil (MS), Mizzou Geology
- 2013-2015 Tara Selly (MS), Mizzou Geology

PhD Qualifying Exam Committee Member

- 2017 Stuart Kenderes (PhD), Mizzou Geology
- 2016 George Davis (PhD), Mizzou Geology
- 2016 Tara Selly (PhD), Mizzou Geology

Undergraduate Student Advising

McNair Scholar Advisor

- 2014-15 Ronald Stuart

Undergraduate Research Advisor

- 2015-16 James Smith (co-advised with Jim Schiffbauer)
- 2015-16 Giselle Castaneda-Huerta
- 2014-15 Teresa Avila (co-advised with Jim Schiffbauer)

Professional Development

- 2017 **Safe Space Training. LGBTQ Resource Center, University of Missouri. November 29, 2017.**
- 2013 St. Lawrence University Winter Institute: Visual Ethnography: Teaching and Modeling Ethical Behavior; Implementing the New Diversity Learning Goals; Teaching and Assessing First Year Writing: Challenges and Rewards; Advising for the New Curriculum; Meeting the Environmental Literacy Learning Goals. January 14-15, 2013.
- 2012 On the Cutting Edge - Professional Development for Geoscience Faculty, Early Career Geoscience Faculty: Teaching, Research, and Managing Your Career. College of William and Mary, Williamsburg, VA, June 10-14, 2012.

Invited Lectures/Presentations

- 2017 University of Missouri, Host/Pathogen/Symbiont Discussion Group (September 12)
- 2017 University of Delaware, Department of Geological Sciences (April 27)
- 2017 Missouri University of Science and Technology, Department of Geosciences (March 20)
- 2017 Humboldt Colloquium—Global Research in the 21st Century: Perspectives of the U.S. Humboldt Network; Washington D.C, USA (March 2-4)
- 2016 Vanderbilt University, Department of Earth and Environmental Sciences (November 11)
- 2016 Missouri State University, Department of Geography, Geology, and Planning (October 7)
- 2015 University of Missouri, Ecology and Evolutionary Biology (October 21)
- 2014 Friedrich-Alexander-Universität, Fachgruppe Paläoumwelt (June 3)
- 2013 University of Cincinnati, Department of Geology (Nov. 15)

2013	American University of Paris, Department of Computer Science, Math, and Science*
2013	St. Lawrence University, Department of Geology*
2013	University of Missouri, Department of Geological Sciences*
2011	St. Lawrence University, Department of Geology
2010	Western Carolina University, Department of Geosciences and Natural Resources*
2009	Vanderbilt University, Department of Earth and Environmental Sciences*
2008	University of Kentucky, Rast-Holbrook Lecture Series
2008	Mercer University, Department of Earth and Environmental Science*
2008	Bucknell University, Department of Geology*

*On-campus job interview

Fellowships, Grants, and Awards

External Funding Agencies

Funded:

2017-2022	Funded: NSF CAREER, NSF EAR – Sedimentary Geology & Paleobiology, <i>CAREER: Parasites, sea level rise, and ecosystem dynamics: Investigating the pattern and process of increasing trematode prevalence during transgression</i> , \$522,321. PI Huntley
2016	Funded: ISA (Istituto di Studi Superiori) Senior Visiting Fellow at the Institute for Advanced Studies, University of Bologna, Italy, <i>Complex-life cycle parasites and climate change: Elucidating the pattern and process of increasing trematode prevalence and sea level rise over multi-millennial time scales</i>
2014	Funded: Renewed Research Stay Grant, Alexander von Humboldt Stiftung, <i>The fossil record of trematode parasitism: what do we know and what questions should we be asking?</i> , €6,300
2009-11	Funded: Humboldt Research Fellowship, Alexander von Humboldt Stiftung, Germany, <i>Documenting Parasite-Host Interactions in Deep Time</i> , €81,204

Declined:

2017-2020	Declined: NSF EAR – Sedimentary Geology & Paleobiology, <i>Collaborative Research: Ecological Revolution and Biotic Turnover: Disentangling the Stratigraphic, Taphonomic, and Paleocological Threads of the Ediacaran Cambrian Transition</i> . Collaborative effort with Emily Smith (Johns Hopkins), Simon A.F. Darroch (Vanderbilt), and James D. Schiffbauer (University of Missouri). \$730,770 Total Project Budget, \$162,796 MU Direct, \$84,089 MU Indirect, PI.
2016-2018	Declined: New Directions Grant, Petroleum Research Fund, American Chemical Society, <i>Testing the temporal and spatial dynamics of a global carbon isotope excursion across a depth gradient: SPICE, mass extinction, and chemostratigraphic correlation in the upper Cambrian</i> , \$110,000. PI Huntley
2016-2019	Declined: NSF EAR – Sedimentary Geology & Paleobiology, <i>Parasites, climate change, and sea level rise: Investigating the pattern and process of increasing trematode prevalence during transgression</i> , \$302,301. PI Huntley
2015-2017	Declined: U.S.-Egypt Joint Board on Scientific and Technological Cooperation, <i>Conservation of the Nile-Delta-lakes; response of macrobenthic communities to the environmental deterioration</i> , \$376,273 (MU share – \$193,353). PI Huntley, Co-PI Abdelhady
2015-18	Declined: NSF EAR – Sedimentary Geology & Paleobiology, <i>Escalation in the Terminal Ediacaran and the death of competition on the sea floor</i> , \$359,968. PI Schiffbauer, Co-PI Huntley
2015-20	Declined: NSF CAREER, NSF EAR – Sedimentary Geology & Paleobiology, <i>The Origin, Evolution, and Ecological Context of Trematode-Bivalve Parasite-Host Interactions</i> , \$589,780.
2014-16	Declined: Doctoral New Investigator Grant, Petroleum Research Fund, American Chemical Society, <i>Integrating Trace Fossils and Stratigraphic Paleobiology: Parasitic Traces on Bivalves as Indicators of Water Depth and Sequence Stratigraphic Architecture</i> , \$110,000

Internal University Grants

Funded:

- 2016 **Funded:** Faculty International Travel Award, Research Council, University of Missouri, *Complex-life cycle parasites and climate change: Elucidating the pattern and process of increasing trematode prevalence and sea level rise over multi-millennial time scales*, \$2,000
- 2014-15 **Funded:** Summer Research Fellowship and Research Budget, Research Council, University of Missouri, *From clams to climate: utilizing fossil mollusk assemblages from the Apennine Mountains to Resolve Sea Level and Climate Change through Time*, \$14,500
- 2012-13 **Funded:** Instructional Mini-Grant, St. Lawrence University, *Evolution of benthic marine environments during the Miocene: specimen-based research in the classroom*, \$500
- 2011-12 **Funded:** Scholarly Development Award (Small Grant), St. Lawrence University, *Investigating the Dawn of Animal Life in the American South*, \$600
- 2011-12 **Funded:** Instructional Mini-Grant, St. Lawrence University, *Incorporating scholarly research in the classroom: analyzing the ecology and evolution of the shallow marine benthos of northern Florida during the last 2,000,000 years*, \$500

Declined:

- 2016 **Declined:** Richard Wallace Faculty Incentive Grant, Mizzou Alumni Association, *Parasites, climate change, and sea level rise: Why are coastal parasitic flatworms more prevalent during sea level rise?*, \$4,000.

Other Honors

- 2009 Outstanding Seminar Presentation, Rast-Holbrook Lecture Series, University of Kentucky
- 2008 Featured in student research grant highlights for the centennial celebration of the Paleontological Society

Department Service

- 2015-present Mizzou Geology: Computing Facility Committee
- 2015-present Mizzou Geology: Graduate Admissions Committee
- 2014-present Mizzou Geology: Colloquium Committee, Chair
- 2014-present Mizzou Geology: Salary Advisory Committee (and Committee on Faculty Responsibility)
- 2013-present Mizzou Geology: Richard P. Frey Memorial Paleontology Fund Committee
- 2013-present Mizzou Geology: Wallace B. Howe Fellowship Committee
- 2013-present Mizzou Geology: Ernest J. Palmer Memorial Scholarship Committee
- 2013-present Mizzou Geology: Carl B. Rexroad Scholarship Committee
- 2011-2013 SLU Geology: Academic Advisor (number of advisees: 5)

University Service

- 2017 Reviewer for MU Research Board Proposal (April)
- 2017 Campus-level reviewer of MU letters of intent, *NSF Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science* (INCLUDES)
- 2017 Faculty Advisor, CV Docs, Reviewed and advised graduate students on their CV (March 15)
- 2016 Faculty Advisor, CV Docs, Reviewed and advised graduate students on their CV (October 26)
- 2016 Instructor, Evolution Bootcamp, Evolutionary Studies Group (01-12-2016)
- 2014-present University of Missouri, Evolutionary Studies Group, Colloquium Committee
- 2012 St. Lawrence University: Assistant Marshal at Commencement

Professional Service

Editorial Board Memberships

2017-present Palaios, Associate Editor

Professional Society Service

2015-2017 Geobiology & Geomicrobiology Division Representative for the Geological Society of America
External Awards Committee

2014-2016 Paleontological Society Student Grant Review Panel Member

Peer Review

Journals

Acta Palaeontologica Polonica

Advances in Parasitology

Bolletino della Societa Paleontologica Italiana

Evolution

Facies

Geobiology

Geology

Journal of Shellfish Research

Marine Ecology Progress Series

Marine Pollution Bulletin

Palaios

Paleobiology

Royal Society Open Science

Southeastern Geology

The Science of Nature (Naturwissenschaften)

Book Chapters

W. Miller III (ed.). 2007. Trace Fossils: Concepts, Problems, Prospects. Elsevier Science.

M. Laflamme, J.D. Schiffbauer, SQ Dornbos (eds.). 2011. Quantifying the evolution of early life: numerical approaches to the evaluation of fossils and ancient ecosystems. Topics in Geobiology: v. 36, Springer

Text Book Proposals

Cambridge University Press

Research Grant Proposals

National Science Foundation: Sedimentary Geology and Paleobiology

Petroleum Research Fund - New Directions Proposal (February 2015)

Graduate Women in Science Fellowship (April 2011)

National Science Foundation: Ecological Biology Cluster

Professional Meetings

- Session convener and chair: Sunday November 1, 2015, The Fossil Record of Parasite-Host Interactions: New Perspectives and Approaches, Annual Meeting of the Geological Society of America, Baltimore, MD, Co-convener and co-chair: Kenneth De Baets
- Session Chair: Friday March 30, 2007, Paleontological Potpourri, Southeast Section Meeting of the Geological Society of America, Savannah, GA, Co-Chair: Anthony J. Martin
- Session Chair: Friday March 26, 2004, Pre-Cenozoic Paleontology, Joint Meeting of the Southeast and Northeast Sections of the Geological Society of America, Tysons Corner, VA, Co-Chair Lisa Berrios

Educational Outreach

- Career day speaker, March 9, 2017, Kindergarten classes (Mrs. Rhonda Hafner), Parkade Elementary School, Columbia, MO
- Guest speaker, Honors College Science Class, University of Missouri, December 8, 2016. Discussed evolutionary paleoecology.
- Class presentation on fossils at Geological Sciences Building, May 9, 2016, “Dinosaur field trip” for Carousel Playschool.
- Invited speaker, Saturday Morning Science, University of Missouri, February 6, 2016. *Finding meaning in the broken: What fossil shells reveal about past predators and parasites*
- Guest speaker, Honors College Science Class, University of Missouri, December 10, 2015. Discussed evolutionary paleoecology
- Educational Outreach, Dinosaurs and Cavemen 2015, March 14, 2015. Co-arranged two interactive educational displays on Missouri fossils and victims of mass extinction for the Dinosaurs and Cavemen 2015 Science Expo at Rockbridge High School, Columbia, MO. This event is designed for K-12 students and serves hundreds of students.
- Class presentation on fossils at Geological Sciences Building, April 10, 2014, Lee Elementary School, Columbia, MO
- Class presentation on fossils at Geological Sciences Building, April 8, 2014, Lee Elementary School, Columbia, MO
- Class presentation on dinosaurs, February 27, 2014, Dr. Ann Mehr’s 3rd grade art class, Lee Elementary School, Columbia, MO
- Discussion Leader: Wednesday December 2, 2009, Evolution and the Christian Faith, International Jesus Gemeinde, Erlangen, Germany
- Class presentation on early life, March 9, 2007, Mr. Charles Jervis’ high school biology class, at Department of Geosciences Museum, VPI&SU
- Class presentation on ancient life, Tuesday November 25, 2003, Ms. Susan Briggs’ class, North Buncombe Elementary School, Weaverville, NC

Professional Organizations

The Paleontological Society

The Geological Society of America

Sigma Xi

Collaborators

Ahmed Awad Abdelhady: Minia University, Egypt

Matthias Alberti: Christian-Albrechts-Universität zu Kiel, Germany

Wagih Ayoub-Hannaa: GeoZentrum Nordbayern, Friedrich-Alexander Universität, Germany

Michele Azzarone: Università di Bologna, Italy

Yao-Ping Cai: Northwest University, China

Simon A.F. Darroch: Vanderbilt University

David A. Fike: Washington University in St. Louis

Claudio De Francesco: CONICET, Universidad Nacional de Mar del Plata, Argentina

Seth Finnegan: University of California, Berkeley

Franz T. Fürsich: GeoZentrum Nordbayern, Friedrich-Alexander Universität, Germany

Jay M. Gregg: Oklahoma State University

W. Burleigh Harris: University of North Carolina at Wilmington

Manja Hethke: GeoZentrum Nordbayern, Friedrich-Alexander Universität, Germany

Darrell S. Kaufman: Northern Arizona University

Patricia H. Kelley (MS Advisor): University of North Carolina at Wilmington
Adiël A. Klompmaker: University of California, Berkeley
Michał Kowalewski (Ph.D. Advisor): Florida Museum of Natural History/University of Florida
Marc Laflamme: University of Toronto Mississauga
Lindsey Leighton: University of Alberta, Canada
Chunlian Liu: Sun Yat-sen University, China
Andrew D. Muscente: Harvard University
Gretchen R. O'Neil: North Dakota State University
Christopher Romanek: Furman University
Daniele Scarponi: Università di Bologna, Italy
James D. Schiffbauer: University of Missouri
Tara Selly: University of Missouri
Kevin L. Shelton: University of Missouri
Shuhai Xiao (Ph.D. Committee Member): Virginia Polytechnic Institute and State University
Yurena Yanes: University of Cincinnati

References

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