

# Katherine V. Bulinski

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## SCHOLARSHIP, TEACHING AND SERVICE INTERESTS

My scholarship focuses on invertebrate paleoecology ecosystems of the Paleozoic midcontinent, where I conduct field censuses of fossil organisms to understand the nature of ancient ecosystems. I also write articles and essays that explore aspects of the faith and science dialogue from the perspective of a Catholic paleontologist. My teaching is centered on geology and paleontology, as well as interdisciplinary seminars focusing on aspects of science and society, making frequent use of experiential learning and other high-impact pedagogical practices. My service complements my research and teaching interests, where I promote faith and science dialogue, paleontology and geology education in K-12 schools, and environmental stewardship.

## EDUCATION

**Ph.D. in Geology**  
2008

**The University of Cincinnati, Cincinnati, OH**

DISSERTATION: *Sample, locality and regional-level biodiversity: implications of aggregating paleontological data at multiple spatial scales*

**B.S. in Geosciences**  
*Cum Laude*  
2002

**The Pennsylvania State University, University Park PA**

THESIS: *The use of Thermogravimetric Analysis for the characterization of limestone and scrubber solids*

## PROFESSIONAL EXPERIENCE

2014-Present

**Associate Professor of Geosciences**

Department of Environmental Studies, Bellarmine University

2008-2014

**Assistant Professor of Geosciences**

Department of Environmental Studies, Bellarmine University

2005-2007

**Paleontology Internship, Cincinnati Museum of Natural History Geier Research Center**

Organized fossil accessions and systematically cataloged specimens using the Argus databasing system.

2006

**Researcher, Shelf and Slope Experimental Taphonomy Initiative**

Participated in the deployment and recovery of shell and other biotic materials in the Gulf of Mexico by submersible for evaluating overall taphonomic damage.

2004-2005

**Graduate Research Assistantship, The Paleobiology Database**

Entered and analyzed fossil data from a variety of literature sources. Contributed geographic, stratigraphic and paleoecological information to an international database.

## TEACHING SINCE 2008

**Every Semester**

**ENVS 130 Understanding Planet Earth**

*An introductory-level geology course focusing on a wide range of geological concepts including mineralogy, paleontology, structural geology, geomorphology and natural hazards. (Maximum Enrollment=24)*

**Every Fall**

**ENVS 250: Introduction to Earth Science**

*A class designed for education majors to address earth science education standards. Students are taught fundamentals including the identification of rocks and minerals, plate tectonics, and the use of topographic maps. (Maximum Enrollment=40)*

- Every Spring Since 2013**      **ENVS 320: Environmental Geology**  
*This class allows students to identify the human-induced and natural causes of geological problems, and evaluate different solutions to these problems. Weekly laboratory includes frequent field trips and other forms of experiential learning. (Maximum Enrollment=14)*
- Alternating Fall Since 2010**      **ENVS/BIOL 237 Paleontology**  
*An exploration of the evolution of life through time, mass extinctions, the processes of fossilization, the analysis and interpretation of paleoecological data, and the effects of global climate change on both fossil and modern ecosystems. (Maximum Enrollment=14)*
- Spring 2024**      **IDC 401H: Social and Scientific Dimensions of Natural Disasters**  
*An honor senior-seminar exploring how we can prepare both socially and scientifically for a future with more frequent and severe hazards. (Maximum Enrollment: 15)*
- Spring 2023**      **IDC 101H: Exploring Scientific Controversies**  
*An honors first-year seminar exploring the nature of science, how new scientific discoveries become established knowledge, and how scientific concepts become controversial. (Maximum Enrollment: 15)*
- Summer 2014, 2015**      **ENVS 440/ IDC 301: Natural History and Resources of Peru**  
*A course exploring the environmental problems and assets of Peru. This course included a two-week study abroad experience in Peru that includes service learning, homestays and field study.*
- Spring 2014, Spring 2015**      **ENVS 380: Environmental Research and Careers**  
*A course for ENVS juniors and seniors where research and career development skills are developed through a weekly seminar style course.*
- Spring 2011, Spring 2013**      **HONR 151: Geology, Natural Hazards and the Environment**  
*A broad introduction to the study of geology woven together into a cohesive picture of earth processes and their impact on human society. This class included a weekend trip to the Smithsonian Museum of Natural History in Washington D.C. (Maximum Enrollment: 14)*
- Spring 2009- Fall 2010**      **IDC 101/HONR IDC 101: Exploring Evolution and Creationism**  
*A seminar-based writing-intensive class designed to explore the worldviews of Evolution and Creationism framed in either faith or science. (Enrollment=15)*

## **K-12 PROFESSIONAL DEVELOPMENT WORKSHOPS**

- June 16-21, 2024**      **Presenter and Member of Leadership Team, Foundations New Orleans**  
Keynote speaker and content specialist for this national workshop focused on science and religion pedagogy, by the Notre Dame McGrath Institute for Church Life Science and Religion Initiative.
- June 13, 2024**      **Lead Organizer, Environmental Stewardship Project, Falls of the Ohio State Park**  
Organizer of this environmentally-themed K-12 professional development workshop for teachers across Kentucky and Indiana.
- June 2022 and 2023**      **Co-Organizer Archdiocese of Louisville Faith and Science Workshop**  
*Co-convenor of multi-day professional development workshops for K-12 teachers in the Archdiocese of Louisville Schools on the topic of exploring the intersection of faith and science.*
- February 12<sup>th</sup>, 2016**      **Co-Leader, Mercy Academy Professional Development Workshop**  
Co-leader of a professional development workshop for teachers and administrators on the topic of environmental sustainability.
- Annually Since 2014**      **Co-Organizer Waldron Shale Project, Falls of the Ohio State Park**  
*Co-organizer of this annual effort for inquiry-based learning of paleontology in local K-12 schools.*

September 22<sup>nd</sup>, 2012

**Co-Leader, Climate Change Symposium and Teaching Workshop**

*Co-directed a workshop with Dr. Kristin Cook for K-12 educators (n=35) to instruct them in best practices for teaching about climate change. This symposium was supported by NASA EPSCoR Grant with Dr. Rob Kingsolver.*

2011, 2013

**Co-Organizer, Museums and Fossils Institute Professional Development Workshop**

*Co-organized workshop for K-12 teachers to provide resources for teaching paleontology. This workshop was supported by the Outreach Education Award from the Paleontological Society.*

## FELLOWSHIPS, GRANTS AND AWARDS

### **External Applications**

2023	Jefferson County Soil and Water Conservation District Native Landscaping Cost-Share Program <b>(Funded, \$100)</b>
2019	Kentucky Academy of Sciences Education and Outreach Grant <b>(P.I., Funded, \$2496.61)</b>
2017	Kentucky Academy of Sciences Outreach and Education Award
2015-2018	Co-PI with Martha Lundgren Perry, Consortium on Digital Resources for Teaching and Learning <b>(Funded, \$20,310)</b>
2014	Administrative Team Member, Clare Boothe Luce Research Scholars Grant <b>(Funded, \$105,000)</b>
2012	NASA EPSCoR Grant; Co-PI with Dr. Rob Kingsolver <b>(Funded, \$3000)</b>
2011	STEM Brazil Science Exchange Program <i>(Applied, Not Awarded)</i>
2010	Metroversity Award for Instructional Development <i>(Requested: \$2146, Not Awarded)</i>
2010	Outreach Education Award, Paleontological Society <b>(P.I., Funded, \$2500)</b>

### **Bellarmine University**

2023	Doris A Tegart Teaching Excellence Award
2023	American Association of Colleges and Universities Mission Across the Curriculum Award <i>(Applied, Not Awarded)</i>
2022	ARC Champion Student Nomination
2019	BUKnighthed Faculty Ally Award
2017	Sabbatical Semester, Fall 2017, Field Work at the Falls of the Ohio
2017	William T. Miles award for Outstanding Service to the University and Region
2014	Global Sustainability Award, Bellarmine University "Bellie" Award
2014	Internationalization Stipend for travel to Guatemala <b>(Funded, \$2000)</b>
2013	QEP Internationalization Stipend for travel to Peru <b>(Funded, \$2500)</b>
2012	Faculty Development Fellowship <b>(Funded, \$3000)</b>
2011	QEP Internationalization Stipend for travel to Ecuador <b>(Funded, \$3500)</b>
Multiple	Bellarmine Presidential Merit Award (2011,2012, 2015, 2016, 2017)
2010	QEP Geography Stipend <b>(Funded, \$500)</b>
2009	Faculty Development Fellowship <b>(Funded, \$3000)</b>

### **University of Cincinnati**

2007-2008	Departmental Fellowship, Department of Geology, University of Cincinnati
2007	University Research Council Summer Graduate Student Research Fellowship
2006	Association for Women Geoscientists Winifred Goldring Award
2005-2006	Isabel and Mary Neff Fellowship
2004	Dry Dredgers Paul Sanders Award
2003	Sigma Xi Grant-in-Aid of Research
2003	Geological Society of America Research Grant
2002-2003	Rawlinson Fellowship

## PEER-REVIEWED AND EDITED PUBLICATIONS

Goldstein, A. and **Bulinski K.V.**, 2024. *The Falls of the Ohio River: America's First Fossil Bed*. Invited Book Chapter for the Geological Society of London Special Volume "Great Geological Outcrops, Locales, and Geoheritage".

**Bulinski, K.V.**, 2023 “*Science, Truth, and Disaffiliation.*” Church Life Journal, Notre Dame McGrath Institute for Church Life. December 7<sup>th</sup>, 2023. <https://churchlifejournal.nd.edu/articles/science-truth-and-disaffiliation/>

Brett C.E., Hartshorn, K.R., Waid, C.B.T., McLaughlin, P.I., **Bulinski, K.V.**, Thomka, J.R., and Paton, T.R., 2018. *Lower to Middle Paleozoic Stratigraphy and Paleontology in the Greater Louisville, Kentucky Area. Book Chapter in: Florea, L.J., Ancient Oceans, Orogenic Uplifts, and Glacial Ice: geologic crossroads in America’s Heartland.* Geological Society of America Volume 51.

**Bulinski, K.V.**, 2012 *Teaching Evolution to Non-Science Majors in a Seminar Format.* In R. Lockwood and M. Yacobucci eds. *Teaching Paleontology in the 21<sup>st</sup> Century*, Special Publication of the Paleontological Society, Vol. 12.

#### **Peer Reviewed and Edited Publications Continued**

Miller, A.M., Aberhan, M.J., Buick, D.P., **Bulinski, K.V.**, Ferguson, C.A., Hendy, A.J.W., Kiessling, W., 2009. *Phanerozoic trends in the global geographic disparity of marine biotas.* Paleobiology Vol. 35 no. 4, pp 612-630

**Bulinski, K.V.**, 2008. *The type Cincinnati as a natural laboratory for investigation of sampling effects.* In P.I. McLaughlin, C.E. Brett, S.M. Holland and G.W. Storrs, eds. *Stratigraphic Renaissance in the Cincinnati Arch: Implications for Upper Ordovician Paleontology and Paleocology.* Cincinnati Museum Center Scientific Contributions No. 2, p. 141-151.

**Bulinski, K.V.**, 2007. *Analysis of sample-level properties along a paleoenvironmental gradient: the behavior of evenness as a function of sample size.* Palaeogeography, Palaeoclimatology, Palaeoecology Vol. 253 no 3-4, pp 490-508

**Bulinski, K.V.**, 2007. *The shell-selection behavior of hermit crabs in isolation, competition, and predatory settings.* Journal of Shellfish Research, Vol. 26, no.1, pp.233-239.

**Bulinski, K.V.**, 2005. *Assessing biodiversity trends and sampling effects using the type Cincinnati of Kentucky as a natural laboratory.* In Sequence, cycle and event stratigraphy of the Upper Ordovician, Cincinnati Arch region: implications for paleoenvironments and paleocology. International Geosciences Programme Project 503 Guidebook, 185p.

## **PUBLISHED AND PEER REVIEWED PEDAGOGY ACTIVITIES**

**Bulinski, K.V.**, and Berghausen E.J., 2024. “Between Time and Eternity” Science and Religion Initiative Peer-Reviewed Teaching Materials Collection. <https://mcgrath.nd.edu/sri/>

**Bulinski, K.V.** 2009 (reviewed 2014). “Using Range Through Charts: Constructing a Diversity Curve.” National Association of Geoscience Teachers On the Cutting Edge Reviewed Teaching Collection. <https://serc.carleton.edu/NAGTWorkshops/paleo/activities/33101.html>

**Bulinski, K.V.**, 2009 “Evolution vs. Creationism Term Paper Assignment” National Association of Geoscience Teachers On the Cutting Edge Reviewed Teaching Collection <https://serc.carleton.edu/NAGTWorkshops/paleo/activities/32534.html>

## **OTHER PROFESSIONAL PUBLICATIONS**

**Bulinski, K.V.**, 2024. “*The Geological History of Lakeside.*” Invited contribution in: Kaelin, B., Lakeside, a book commemorating the centennial of the historic quarry and swim club in the Highlands Neighborhood of Louisville, Kentucky.

**Bulinski, K.V.**, “*The Time and Space for the Integration of Science and Faith.*” Invited contribution to the Vatican Observatory Sacred Space Astronomy Online Magazine, September 23, 2023. <https://www.vaticanobservatory.org/sacred-space-astronomy/the-time-and-place-for-the-integration-of-science-and-faith/>

Goldstein A., and **Bulinski, K.V.** “*The Waldron Shale: An Important Silurian Fossil Deposit*” in Professional Geologists of Indiana Annual Field Trip 2023 Guidebook. September 23, 2023

**Bulinski, K.V.**, “*The Role of Science in Catechesis.*” The Record Newspaper, August 17, 2023. Invited contribution as a part of the faith and science series from the Archdiocese of Louisville. <https://therecordnewspaper.org/science-in-the-bluegrass-the-role-of-science-in-catechesis/>

Goldstein, A. and **Bulinski, K.V.**, 2022. "The Waldron Shale: an Important Silurian Fossil Deposit." Invited contribution to the Mid-America Paleontological Society Digest. Volume 45, No. 4, October 2022.

**Bulinski, K.V.**, "Correcting Misconceptions About Science and Faith in the Classroom" Invited contribution to the Vatican Observatory Sacred Space Astronomy Online Magazine, October 30, 2021 <https://www.vaticanobservatory.org/sacred-space-astronomy/correcting-misconceptions-about-science-and-faith-in-the-classroom/>

**Bulinski, K.V.** 2019 *Evolution and Faith: Compatible and Complementary*. The Record Newspaper, May 16<sup>th</sup>, 2019. Invited contribution as a part of the faith and science series from the Archdiocese of Louisville. <https://therecordnewspaper.org/evolution-and-faith-compatible-and-complimentary/>

**Bulinski, K.V.** 2019 *A Time to Speak—A Wide-Angle View of Earth*. The Record Newspaper, January 16<sup>th</sup>, 2019. Column published following invited contribution to the Vatican Observatory Sacred Space Astronomy Online Magazine from December, 2018. <https://therecordnewspaper.org/a-time-to-speak-a-wide-angle-view-of-earth/>

**Bulinski, K.V.**, 2010. *Research in the Cincinnati Series (Upper Ordovician) Through Space and Time*. Invited Contribution, Mid America Paleontological Society Digest, Vol. 33, No. 1, pp. 52-65.

**Bulinski, K.V.**, 2009. *Adventures of a First-Year Faculty Member*, Invited Commentary, Palaeontologica Electronica, Vol. 12, No 3. [https://palaeo-electronica.org/2009\\_3/commentary/adventure.htm](https://palaeo-electronica.org/2009_3/commentary/adventure.htm)

**Bulinski, K.V.**, 2008. *Relationship of sample-level properties to biodiversity at multiple scales: analyses of Upper Ordovician and Cenozoic ecological and latitudinal gradients*. Doctoral Dissertation, University of Cincinnati, Cincinnati, OH. 215p.

**Bulinski, K.V.**, 2002. *The use of thermogravimetric analysis for the characterization of limestone and scrubber solids*. Undergraduate Thesis, The Pennsylvania State University, University Park, PA, 74 p.

## INVITED EXTERNAL UNIVERSITY SEMINARS

**Bulinski, K.V.**, "This History of Life in Deep Time." Invited presentation for the St. Albert Initiative of the Science and Religion Initiative of the McGrath Institute for Church Life. Notre Dame Seminary, New Orleans, Louisiana, February 2<sup>nd</sup>, 2024.

**Bulinski, K.V.** 2023 *Humanity Through the Lens of Deep Time*, Invited Lecturer, Science and Religion Institute Day, Seton Hall University, Newark, New Jersey November 3<sup>rd</sup>, 2023.

**Bulinski, K.V.**, 2016. *The Past Present and Future Research at the Famous Coral Beds of the Falls of the Ohio State Park*. Invited University Seminar. Indiana University Southeast Geology Department. April 15<sup>th</sup>, 2016.

**Bulinski, K.V.**, 2014 and 2015. *Geoscience Careers in Academia*. Invited presentation for Career Workshop, University of Cincinnati Geology Department,

**Bulinski, K.V.**, 2013. *Fossil biodiversity of the type-Cincinnatian: Investigations of abundance, rarity, and ecospace utilization*. Invited seminar presentation for the Rast-Holbrook Lecture Series. University of Kentucky Department of Earth and Environmental Sciences. April 4<sup>th</sup>, 2013.

**Bulinski, K.V.**, 2011. *Exploring community-level fossil biodiversity patterns through the lenses of sample size, geographic area, and ecospace utilization*. Invited Seminar Presentation, Virginia Tech Department of Geosciences, April 15<sup>th</sup>, 2011.

**Bulinski, K.V.**, 2010. *Studying Fossil Biodiversity at Different Scales: a test case in the Ordovician*. Invited Seminar presentation, Indiana University, Purdue University, Fort Wayne. November 15<sup>th</sup>, 2010.

**Bulinski, K.V.**, 2008. *Fossil Biodiversity in the tri-state region of Kentucky, Ohio and Indiana: analysis of the abundance and rarity of diverse communities from the Late Ordovician*. Invited seminar presentation, University of Louisville Department of Geography and Geosciences, November 24, 2008.

**Bulinski, K.V.**, 2006. *Assessing local and regional biodiversity: an investigation of sampling effects and sample-level properties in the type Cincinnati (Upper Ordovician) Kentucky, USA.* Nanjing Institute of Paleontology and Geology Ordovician Symposium, Nanjing China.

## CONFERENCE ABSTRACTS

**Bulinski, K.V.** “*The Scientific and Social Dimensions of Natural Disasters: Exploring the Themes of Catholic Social Teaching Through an Undergraduate Seminar Course.*” Poster Presentation, Society of Catholic Scientists National Conference. Mundelein Seminary, Mundelein, Illinois, June 7-9, 2024.

**Bulinski, K.V.** *Critical Conversations: Science and Faith in the Undergraduate Classroom.* Poster presentation, Society of Catholic Scientists National Conference. Seton Hall University, Newark, New Jersey, June 2-3, 2023.

**Bulinski, K.V.**, and Goldstein, A. *Best Practices in Designing Professional Development Workshops for K-12 Science Teachers.* Oral Presentation, Kentucky Academy of Science Annual Meeting. Morehead, KY, November 11<sup>th</sup>, 2022.

**Bulinski, K.V.** *Medical Challenges, Triplets, Pandemic. Ten Strategies for Staying afloat in Academia in the Face of Overwhelming Difficulties.* Invited oral contribution to the session “Nevertheless She Persisted (or Not): Challenges to Retention of Women in the Geosciences through Pandemic and Non-Pandemic Times” Joint 56<sup>th</sup> annual North-Central/Southeastern Section Meeting of the Geological Society of America, Cincinnati, OH, April 7-8, 2022.

**Bulinski, K.V.**, and Goldstein, A. 2021. *Paleontological Professional Development Experiences for K-12 Teachers: an underutilized opportunity for educators and professional paleontologists.* The Geological Society of America Annual Meeting, Portland Oregon, October 12, 2021 (Hybrid Oral Presentation)

Burman, A.A., and **Bulinski K.V.** 2019. *Examining regional and global paleoecological trends in Middle Devonian biostrome builders.* The Ecological Society of America Annual Meeting, Louisville, Kentucky, August 12, 2019 (Poster Presentation)

**Bulinski, K.V.**, Burman, A.A., Hall, M.S., Laughlin, Z., Sadler, K., Summerlin, T., and Wilcox, A., 2018. *Re-evaluation of biostrome paleoecology at the Falls of the Ohio (middle Devonian), Clarksville, Indiana.* The Geological Society of America Annual Meeting, Indianapolis, November 4-7. (Oral Presentation)

Burman, A.A., and **Bulinski, K.V.**, 2018. *A comparative study of diversity and organismal Interactions at the Falls of the Ohio (middle Devonian, Clarksville, Indiana) to similar Environments Within the Kaskaskia Sea.* The Geological Society of America Annual Meeting, Indianapolis, November 4-7. (Poster Presentation)

Laughlin, Z., and **Bulinski, K.V.** 2018. *Exploring the Influence of Water Energy on the Taphonomic Condition of Rugose Corals at the Falls of Ohio, Clarksville, Indiana.* The Geological Society of America Annual Meeting, Indianapolis, November 4-7. (Poster Presentation)

Wilcox A., and **Bulinski K.V.**, 2018. *Identifying environmental conditions of the middle Devonian Biostrome at the Falls of the Ohio (Clarksville, Indiana) through examination of corallum curvature in rugose corals.* The Geological Society of America Annual Meeting, Indianapolis, November 4-7. (Poster Presentation)

Hall, M.S., and **Bulinski, K.V.**, 2018. *Devonian Stromatoporoid Associations at the Falls of the Ohio State Park, Clarksville, Indiana.* Geological Society of America Southeastern Section Meeting (Knoxville, Tennessee) Geological Society of America *Abstracts with Programs*. Vol. 50, No. 3 (Poster Presentation)

Sadler, K., Summerlin, T., and **Bulinski, K.V.**, 2018. *Abundance, Orientation and Distribution Analysis of Coral Fossils in a Devonian Biostrome at the Falls of the Ohio, Clarksville, Indiana.* Geological Society of America Southeastern Section Meeting (Knoxville, Tennessee). Geological Society of America *Abstracts with Programs*. Vol. 50, No. 3 (Poster Presentation)

**Bulinski, K.V.**, 2017 *Designing an Environmental Geology Course Using Experiential Career Preparation and Role Playing.* The Geological Society of America Annual Meeting, Seattle Washington, October 21-25. (Poster Presentation).

**Bulinski, K.V.** and M. Perry Lundgren, 2017. *Rocks, Minerals, and Fossils, Oh My! Teaching Students Natural History Curation Through Digitization.* Council of Independent Colleges Consortium on Digital Resources for Teaching and Research Workshop. Washington D.C., September 7-9.

**Bulinski, K.V.**, Jeffrey M.J., and Goldstein A. 2015 *Establishing a Baseline for Research Efforts at the Falls of the Ohio Devonian Fossil Beds: Past Present and Future Directions*. The Geological Society of America Southeastern Section Meeting, Chattanooga Tennessee, March 19-20. (Oral Presentation).

Jeffrey, M.J., **Bulinski K.V.**, and Goldstein A. 2015. *A Comparative Study of the Falls of the Ohio Devonian Coral Zone Biostrome to Reef-Like Paleocommunities Through Time*. The Geological Society of America Southeastern Section Meeting, Chattanooga Tennessee, March 19-20. (Oral Presentation).

**Bulinski, K.V.**, 2014. *Environmental Justice Tours: Using Local Case Studies for Teaching Environmental Geology*. The Geological Society of America Annual Meeting, Vancouver Canada, October 19-22. (Oral Presentation).

Jeffrey, M.J., **Bulinski K.V.**, and Goldstein A. 2014 *The Falls of the Ohio Devonian Coral Beds: An Investigation of Paleoeological Associations*. The Geological Society of America Annual Meeting, Vancouver Canada, October 19-22. (Poster Presentation).

**Bulinski, K.V.**, and Goldstein, A. 2014. *The Museums and Fossils Institute: Using Museums, Classroom and Field Experiences for a K-12 Professional Development Workshop*. 10<sup>th</sup> North American Paleontological Congress, Gainesville Florida, February 15<sup>th</sup>-18<sup>th</sup> (Oral Presentation)

**Bulinski, K.V.**, 2014. *Evaluating the use of ecospace utilization analysis in fine-scale paleoecological studies*. 10<sup>th</sup> North American Paleontological Congress, Gainesville Florida, February 15<sup>th</sup>-18<sup>th</sup> (Poster Presentation)

**Bulinski, K.V.**, and Cook, K., 2013 *An Innovation for Pre-Service Teacher Training: Designing a College-Level Earth Science Course Using The Next Generation Science Standards*. Kentucky Academy of Sciences 99<sup>th</sup> Annual Meeting, Morehead Kentucky, November 8-9<sup>th</sup>. (Oral Presentation)

**Bulinski, K.V.**, 2012. *Models and strategies for teaching evolution to non-science majors in a seminar format*. Geological Society of America North-Central Section Meeting (Dayton, OH) Geological Society of America Abstracts with Programs, Vol. 44, No. 5, p. 59 (Oral Presentation)

Boblitt, C.M. and **Bulinski, K.V.**, 2012. *Urbanization and watershed health: a case study of the South Fork of Beargrass Creek, Louisville, Kentucky*. Geological Society of America North-Central Section Meeting (Dayton, OH) Geological Society of America Abstracts with Programs, Vol. 44, No. 5, p. 12 (Student Poster Presentation)

**Bulinski, K.V.**, and Darst, T. 2012. *Coal-Fired Power Plants, Superfund Sites and Residential Neighborhoods. Environmental Justice Field Trips: An Experiential Learning Opportunity for Undergraduates*. Presentation for environmental geology teaching workshop entitled "On The Cutting Edge: Teaching Environmental Geology." Montana State University, Bozeman, Montana. June 3<sup>rd</sup>, 2012.

Johnston, M. and **Bulinski, K.V.**, 2011. *Change in ecospace utilization through the type Cincinnati: a study of biodiversity patterns as a function of stratigraphic range, lithology and sample size*. Geological Society of America North-Central/North-Eastern Joint Section Meeting (Pittsburgh, PA) Abstracts with Programs, Vol. 43, No. 1. (Oral Presentation)

**Bulinski, K.V.**, 2010. *The relationship between proportional rarity and abundance distributions at multiple geographic scales*. Geological Society of America Abstracts with Programs, Vol. 42, No. 5, p. 139. (Oral Presentation)

**Bulinski, K.V.**, and Johnston M., 2010. *The role of stratigraphic scale in the assessment of biodiversity*. Geological Society of America North-Central/ South-Central Joint Section Meeting (Branson, Missouri, April 2010). Geological Society of America Abstracts with Programs, Vol. 42, No. 2, p. 72 (Oral Presentation)

Csonka, J., and **Bulinski, K.V.**, 2010. *The Chondrites Ichnofossil: a comparative study*. Geological Society of America North-Central/ South-Central Joint Section Meeting (Branson, Missouri, April 2010). Geological Society of America Abstracts with Programs, Vol. 42, No. 2, p. 93 (Oral Presentation)

**Bulinski, K.V.**, Harrison, M. and Johnston, M., 2009. *Lithology and perceptions of biodiversity: paleoecological variation in the Pioneer Valley member of the Upper Ordovician Kope Formation of Northern Kentucky*. Geological Society of America Annual Meeting (Portland, OR) Geological Society of America Abstracts with Programs, Vol. 41, No. 7, p. 631. (Poster Presentation)

- Bulinski, K.V.**, 2009. *Using range through charts: constructing a diversity curve*. Presentation for paleontology teaching workshop entitled "Teaching Paleontology in the 21<sup>st</sup> Century" Cornell University, Ithaca, NY July 31<sup>st</sup>, 2009.
- Mosser, S. L., Dattilo, B. F., Flores, N., Moffett, J.C., Mosser, J., Bremer, P., and **Bulinski, K. V.**, 2009. *Stratigraphy, paleoenvironments and correlation of the lower part (C2-C3 boundary) of an outcrop of Upper Ordovician rocks near Fredericktown, Kentucky*. Geological Society of America North-Central Section Meeting (Rockford, Illinois 2-3 April 2009) (Poster Presentation)
- Bulinski, K.V.**, 2008. *Geographic aggregation of regional biodiversity patterns at multiple scales*. Geological Society of America Annual Meeting (Houston, TX) Abstracts with Programs Vol. 40.
- Bulinski, K.V.**, Buick, D.P., Ferguson, C.A., Hendy, A.J.W., and Miller, A.I., 2007. *Cenozoic relationships between geographic range and assemblage-level abundance: the role of rare taxa*. Geological Society of America Annual Meeting (Denver, Colorado) Abstracts with Programs Vol. 39 no. 6.
- Miller, A. I., Buick, D. P., **Bulinski, K. V.**, Ferguson, C. A., and Hendy, A. J.W., 2007. *Global geographic disparity of marine biotas through the Phanerozoic*. Geological Society of America Annual Meeting (Denver, Colorado) Abstracts with Programs Vol. 39 no. 6, p.90.
- Bulinski, K.V.**, Buick, D.P., Ferguson, C.A., Hendy, A.J.W., and Miller, A.I., 2007. *Taxonomic rarity along latitudinal gradients: The distribution of fossil organisms through space and time*. Ecological Society of America/Society for Ecological Restoration Joint Annual Meeting (San Jose, California) Abstracts with Programs.
- Bulinski, K.V.**, 2006. *Sample locality and regional-level biodiversity: implications of aggregating paleontological data at multiple spatial scales*. Geological Society of America Annual Meeting (Philadelphia, Pennsylvania) Abstracts with Programs Vol. 38 no. 7.
- Miller, A. I., Buick, D. P., **Bulinski, K. V.**, Ferguson, C. A., and Hendy, A. J.W., 2006. *The Ordovician radiation: a macroevolutionary crossroads*. Geological Society of America Annual Meeting (Philadelphia, Pennsylvania) Abstracts with Programs Vol. 38 no. 7.
- Hendy, A.W., Buick, D.P., **Bulinski, K.V.**, Ferguson, C.A., and Miller, A.I., 2006. *Latitudinal diversity gradients and the Cenozoic fossil record of the Western Atlantic: consideration of spatial scale and sampling issues*. Geological Society of America Annual Meeting (Philadelphia, Pennsylvania) Abstracts with Programs Vol. 38 no. 7.
- Bulinski, K.V.**, 2006. *Assessing local and regional biodiversity: an investigation of sampling effects and sample-level properties in the type Cincinnati (Upper Ordovician) Kentucky, USA*. Ancient Life and Modern Approaches: Abstracts of the Second International Paleontological Congress, June 17-12, 2006, Beijing China.
- Hendy, A.W., Buick, D.P., **Bulinski, K.V.**, Ferguson, C.A., and Miller, A.I., 2006. *Latitudinal diversity gradients and the Cenozoic fossil record: consideration of spatial scale and sampling issues*. Ancient Life and Modern Approaches: Abstracts of the Second International Paleontological Congress, June 17-12, 2006, Beijing China.
- Bulinski, K.V.**, 2005. *Literature versus field-derived biodiversity assessments: regional sampling effects as direct functions of lithology, taphonomy and population structure*. Geological Society of America Annual Meeting (Salt Lake City, Utah) Abstracts with Programs Vol. 37, No. 7.
- Miller, A. I., Buick, D. P., **Bulinski, K. V.**, Ferguson, C. A., and Hendy, A. J.W., 2005. *Towards an assessment of Phanerozoic trends in beta diversity: the importance of environmental and geographic scale*. Geological Society of America Annual Meeting (Salt Lake City, Utah) Abstracts with Programs Vol. 37, No. 7.
- Bulinski, K.V.**, 2005. *Assessing biodiversity trends in the type Cincinnati: The effects of sample-level properties on aggregate diversity trends through time*. North American Paleontology Meeting (Halifax, Nova Scotia) Programme and Abstracts Volume No. 25, supplement to no. 2, p. 26.
- Bulinski, K.V.**, and A.I. Miller, 2004. *Assessing biodiversity trends using the Type Cincinnati as a microcosm: testing sampling effects in a closed system*. Geological Society of America Northeast/Southeast Section Meeting (Tysons Corner, Virginia) Abstracts with Programs Vol. 36, No. 2, p. 112.



## STUDENT RESEARCH ADVISING

- Olivia Gamsky**  
Graduation May 2024  
**Major:** Environmental Science, Minor Biology  
**Research Topic:** Exploration of Culinary Mushroom Farming
- Rhys Henning**  
Graduation May 2024  
**Major:** Environmental Science, Minor Biology  
**Research Topic:** Paleontology Curation Project
- Eli Kreilein**  
Graduation May 2023  
**Major:** Biology, Minor Environmental Studies  
**Thesis Topic:** The Purpose of a Museum: The Importance of Access and Data Preservation in Paleontology
- Kate Moran**  
Graduation May 2023  
**Major:** Biochemistry  
**Thesis Topic:** Biodiversity at Bellarmine: Pollinator Garden Project
- Aspen Burman**  
Graduation December 2019  
**Major:** Environmental Science, Clare Booth Luce Scholar Program  
**Thesis Topic:** A study of the paleoenvironmental conditions of the fossil biostrome at the Falls of the Ohio State Park
- Alma Wilcox**  
Graduation May 2019  
**Major:** Environmental Science  
**Research Topic:** Identifying environmental conditions of the middle Devonian Biostrome at the Falls of the Ohio (Clarksville, Indiana) through examination of corallum curvature in rugose corals
- Zoe Laughlin**  
Graduation May 2019  
**Major:** Environmental Science  
**Research Topic:** Exploring the Influence of Water Energy on the Taphonomic Condition of Rugose Corals at the Falls of Ohio, Clarksville, Indiana
- Sierra Hall**  
Graduation May 2018  
**Major:** Environmental Science  
**Thesis Topic:** A study of the ecological role of Stromatoporoid sponges at the Falls of the Ohio  
**Research Award:** Best Bellarmine Honors Thesis
- Kendra Sadler and Tonya Summerlin (Joint Advising)**  
Graduation May 2018  
**Major:** Environmental Science  
**Research Topic:** Abundance, Orientation and Distribution Analysis of Coral Fossils in a Devonian Biostrome at the Falls of the Ohio, Clarksville, Indiana.
- Tim Darst**  
Summer 2015-May 2016  
**Harvard University Extension Master's Degree**  
**Program:** Sustainability and Environmental Management  
**Thesis Topic:** A Feasibility Study for Converting Louisville, Kentucky's Transportation and Electricity Generation to Renewable Sources to Address Climate Change.
- Matthew Jeffrey**  
Graduation May 2015  
**Major:** Environmental Science  
**Thesis Topic:** A comparative study of the Falls of the Ohio Devonian coral zone biostrome to reef-like paleocommunities through time.
- Carly Holthaus**  
Graduation May 2015  
**Major:** Environmental Studies  
**Thesis Topic:** Comparative study of mineral extraction and environmental degradation in the Andes and Appalachia
- Jena Patterson**  
Graduation May 2014  
**Major:** Environmental Studies  
**Thesis:** Relying on the People: A study of Louisville community-based environmental monitoring  
**Research Award:** Bellarmine Undergraduate Poster Competition Award
- Caitlin Boblitt**  
Graduation May 2012  
**Major:** Biology, **Minor:** Environmental Science  
**Thesis Topic:** Urbanization and Watershed Health: a case study of the South Fork of Beargrass Creek, Louisville, Kentucky

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**Michelle N. Johnston**  
Graduation May 2011

**Major:** Biology, **Minor:** Environmental Science  
**Thesis Topic:** Change in ecospace utilization through the Type Cincinnati: A study of biodiversity patterns as a function of stratigraphic range, lithology and sample size  
**Research Awards:** First Place: Undergraduate Scholarship Poster Competition, Robert Korn Research Award

**Thesis Reader**

**Sydney Pardieu**, Undergraduate Honors Thesis (2023)  
**Cody Nygard**, Ph.D. Higher Education and Social Change (2023)  
**Rhianna Clemons**, Undergraduate Honors Thesis (2022)  
**Emma Haney**, Undergraduate Honors Thesis (2021)

## SIGNIFICANT LEADERSHIP AND SERVICE

2023-Present

### **Archdiocese of Louisville Laudato Si' Creation Care Team Member**

*Serve as a founding member of [this committee](#) which is, as of 2024, an official entity of the Archdiocese of Louisville. This group organizes events and provides resources to mobilize Catholics to care for the Earth in the spirit of Laudato Si'.*

2022-Present

### **Board Member, Falls of the Ohio Foundation**

*Serve as a board member and member of the education committee for the foundation which seeks to elevate the awareness, recognition and legacy of the Falls of the Ohio State Park. I assisted with fundraising efforts which resulted in \$52,500 of gifts between a private foundation and a corporate donor dedicated to educational outreach programming happening at the Falls of the Ohio.*

2021-Present

### **Beekeeping and Biodiversity Farm Steward**

*Co-advisor of the campus beekeeping initiative, also oversee biodiversity projects on campus including the maintenance and addition of new pollinator gardens, and oversee tabling at public events. Applied for and received Bee Campus USA certification via the Xerxes Society in 2023.*

2021-Present

### **Chair, Bellarmine University Tree Campus USA Committee**

*Oversee Bellarmine's Tree Campus USA program and apply annually for recertification. Organize annual events and educational outreach opportunities.*

2017-Present

### **Archdiocese of Louisville Faith and Science Dialogue Group**

*Serve as a faculty participant in a multidisciplinary [discussion group](#) on the intersection of faith and science from a Catholic perspective. Aid in organization of the annual Gold Mass celebrating Catholic scientists, educators, and students of science.*

2013-2022  
(Board Chair 2016-2020)

### **Board Member, Kentucky Interfaith Power and Light**

*Served as board member and board chair, working to promote environmental initiatives and practices from a starting point of interfaith dialogue and cooperation.*

2015-2017

### **Councilor, Paleontological Society**

*Elected as Representative-at-large, a national council position*

2013-2016

### **Board Member and Secretary, Kentuckians for Science Education**

*Conducted advocacy work supporting science educational initiatives in the state. Served as secretary of the organization.*

2009-2010

### **North-Central Regional Representative to the Paleontological Society**

*Organized Paleontological Society sponsored theme sessions and social events for regional Geological Society of America meetings, updated official by-laws for the North Central Section, and disseminated Paleontological Society information to paleontologists within the North Central region.*

## UNIVERSITY SERVICE

### Bellarmino Committees and Leadership

2023-Present	President's Advisory Board for Mission- Member of the Executive Board
2023-Present	Merton and Mission Ad Hoc Committee via J. Blandford
2023-2024	Microcredentials Committee Member
2023	Instructor Position in Biology Search Committee Member
2022-2024	Core Curriculum Committee, Knight 101 and Environmental Responsibility Subcommittees
2022	Academic Visioning Committee
2022	College of Arts and Sciences Faculty Merit Awards Selection Committee
2020-2021	Search Committee Chair for ENVS Replacement Hire
2020-2021	Liberal Education Taskforce Natural Science Working Group
2020	Interim Chair, Department of Environmental Studies
2020	Arts and Sciences School Council
2019	V.P. for Enrollment Management and Marketing Search Committee Member
2018-2019	Bellarmino University Mission, Purpose, and Identity Working Group
2017	Presidential Transition Team Member
2017-2019	Bellarmino University Strategic Planning Steering Committee
2017-2019	Chair, Ad Hoc Faculty Family Leave Working Group
2016-2019	Bellarmino Sustainability Task Force Member
2015-2017	Bellarmino Internship Guarantee Focus Group Member
2015-2016	Physics Department Search Committee Member
2014-2019	Faculty Council Representative
2014-2017	Non-voting representative to Undergraduate Educational Affairs
2014-2016	Q.E.P. Selection Committee and Sustainability Subcommittee Member
2014	Department of Biology Faculty Search Committee Member
2012	School of Environmental Studies Faculty Search Committee Member
2011-2014	Faculty Development Committee
2011-2012	Bellarmino University Sustainability Working Group
2011	Theology Department Search Committee Member
2009-2014	Bellarmino Honors Program Council
2009-2010	Bellarmino Center for Regional Environmental Studies Advisory Group
2009-2010	Bellarmino Quality Enhancement Plan Committee

### Public Speaking and Guest Lecturing at Bellarmino

2024	Guest Lecturer for Dr. Maddie Tomlinson's Social Determinants of Health Course
2023	Reader for Lessons and Carols
2023	Panelist for Climate Change Panel from the Bellarmino Ethics Center
2023	Guest Lecturer for Dr. Caroline Driscoll Braden, offered tour of Bellarmino Farm
2023	Guest Lecturer for Dr. Andrew Stone Porter's Global Crises Course
2023	Faculty Speaker at Convocation
2021	Reflection for the Transitus of St. Francis of Assisi
2020	Panelist, Women in Science for Dr. Roberta Challener's IDC Course
2020	Panelist, Creation and the Environment, Bellarmino Campus Ministry Event
2019	Speaker, Celebration of Faculty Achievement
2017	Panelist, Policies of the Trump Administration
2017	Guest Lecture: Deep Ecology IDC: The Science of Climate Change
2017	Guest Lecture: The Geology and Paleontology of Belize
2016	Speaker, Celebration of Faculty Achievement
2015	Invited Speaker for Knight of Knights
2015	Panelist for Freshmen Orientation Program
2014	Veritas Presentation: Mining and the Environment
2013	Invited Speaker on Faith and the Environment for Catholic Student Association
2013	Honors Program Faculty Speaker Series

2012	Invited Speaker on Science and Faith for Catholic Student Association
2011	Guest Lecture: ENV5 111 for Dr. Rob Kingsolver
2010	Guest Lecture: IDC 401: Fundamentalism for Fred Ehrman
2010, 2011, 2013	Faculty Forum Presentation
2009	IDC Workshop Presentation
2009	Guest Lecture: Biol 225: Tropical Marine Biology

### Other Bellarmine Service

Annually	Participation in Various Bellarmine Admissions Activities
Annually	Faculty/Staff Choir for Baccalaureate Mass
2024	Presenter, Camp Valor Paleontology Club
2023	Organizer of Feast of St. Francis/Laudato Si' Stargazing Event
2023	Bellarmino Representative at Catholic Education Foundation Dinner
2023	Presenter, Bellarmine STEM Maker Fair
2022-Present	Maintain Department of Environmental Studies Social Media Accounts and Postings
2022-Present	Serve as Department Alumni Relations Liaison
Annually since 2022	Organizer of Bellarmine Tree Pilgrimage
2022	Organized Campus Tree Mulching Event for Louisville Tree Fest
2022	Organized Bellarmine Environmental Justice Tour of Louisville
2022	Participant, Knights Spring Into Action Day
2022	Faculty Participant, Biology Club Research Showcase
2021-Present	Faculty Co-Advisor, Bellarmine Beekeeping Club
2021	Bellarmino Faculty Liaison, Louisville Zoo Pollinator Garden Project
2018	Organized and hosted Clare Boothe Luce Women in Science Speaker
2018	Organized Interfaith Tu B'Shvat Merton Birthday Celebration Event
2015,2018,2022	Volunteer, Late Knight Breakfast
2015	Bellarmino Magazine Laudato Si' Reflection
2015-2017	Faculty Participant Distinguished Scholars Luncheon
2014-2019	Clare Booth Luce Research Program Mentor
2014-2019	Faculty Participant in the Bellarmine University Oratorio Society
2014-2015	Knight-to-Knight Faculty Mentor
2014-2015	Faculty Participant, Bellarmine Guatemala Service Trip
2014	Co-Organized "For Pete's Sake A Call to Action" Celebration of Pete Seeger
2013	Organized Ecomusicology Invited Lecture
2013	Faculty Chaperone to Kerala, India
2012-2018	Organizer, Faculty Happy Hour
2012-2016	Science and Math Liaison for Bellarmine International Study Abroad
2012-2015	Faculty Advisor, R.A.I.S.E. Environmental Club
2011-2012	Bellarmino University Sustainability Working Group
2010	TedX Manhattan "Changing the Way We Eat" Campus Viewing Party, Co-Faculty Sponsor
2011	Faculty Organizer, Julia Butterfly Hill Public Lecture
2010	Faculty host for Michael Pollan Campus Visit
2009-2011	Faculty Advisor, Bellarmine Outdoors Club

### OTHER SELECTED PUBLIC OUTREACH AND SERVICE

#### K-12 Outreach

2024-2025	Facilitator, St. Albert Initiative, McGrath Institute for Church Life
2024-Present	Archdiocesan Religion Standards Review Team for K-8 Schools
2024	Paleontology Speaker for Mission Week Interest Sessions, Assumption High School
2023	Science Fair Mentor: St. Francis of Assisi School
2023	Mercy Academy Career Day Speaker
2023	Consultant for Archdiocese of Louisville Faith and Science Curriculum Revision
2016	Invited Speaker on Climate Change, Mercy Academy

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2014	Guest Earth Science Lecturer for Homeschool Consortium
2014	St. Nicholas Academy Science Fair Judge
2012-2018	First Grade Guest Science Speaker for Saint Francis of Assisi School
2012	Judge for Saint Francis of Assisi Science Fair
2011	Fifth Grade Science Class Presentation, St. Nicholas Academy

**Other Community and Professional Outreach and Service**

2024	Geology Panelist, History of Lakeside Swim Club Panel Discussion
2023-Present	Member, Education Committee for the Society of Catholic Scientists
2023	Presenter, Professional Geologists of Indiana Annual Field Trip
2022	Judge, Kentucky Academy of Science Student Presentation Awards
Annually since 2022	Participant, Louisville Tree Fest
2022, 2023	Participant, Locust Grove Gardeners' Fair
2022	Presenter, Kentucky Science Center Maker Fair
2021	Volunteer, Backyard Science Day, Falls of the Ohio State Park
2018	Contributor, Geological Society of America Field Trip, Louisville, KY
2018	Moderator for Center for International Environmental Law Event
2018	Peer Reviewer, Paleontological Society Short Course Volume on Teaching Paleontology
2017	Facilitator, Falls of the Ohio Field Trip for University of West Georgia
2017-2020	Participant, The Bearded Lady Project: Challenging the Face of Science
2017	Peer Reviewer, Manuscript to the Journal Historical Biology
2016-2017	Paleontological Society Pojeta Award Selection Committee
2016	Organizer, Paleontological Society Mentors in Paleontology Career Luncheon
2016	Invited Speaker and Tour Presenter, Louisville Solar Tour
2016	Contributor, Falls of the Ohio Exhibit Gallery Display
2015	Participant, Roundtable Discussion on Women and Sustainability
2014-2018	Presenter, Family Paleontology Camp, Falls of the Ohio State Park
2013	Speaker, Army Corps of Engineers Women's' History Month Celebration
2013	Passionist Earth and Spirit Center Camp Nature Odyssey Paleontology Presenter
2012	Guest Paleontology Speaker for The Passionist Earth and Spirit Center
2011-2013	Paleontological Society Student Grants Committee
2011-2012	Research Advisor, MakerBot 3-D Hermit Crab Shell Printing Project
2010	Technical Session Co-Chair, North Central/South Central GSA Meeting
2009	Rock Identification Day, Rauch Planetarium, University of Louisville
2008-2009	Planning Committee, North American Paleontological Convention, Cincinnati, Ohio

**INVITED PUBLIC OUTREACH PRESENTATIONS**

**Bulinski, K.V.**, "*Natural Hazards.*" Invited guest lecturer for the KYANA Geological Society. Louisville Nature Center, May 21, 2024.

**Bulinski, K.V.**, "*The Causes and Effects of Mass Extinctions.*" Invited guest lecturer for the Louisville Astronomy on Tap. Monnik Beer Company, May 1, 2024.

**Bulinski, K.V.**, "*Faith and Religion: Models of Interaction.*" Invited guest lecturer at the Falls of the Ohio State Park. February 28<sup>th</sup>, 2024.

**Bulinski, K.V.** "Biodiversity in Your Backyard" Lewis and Clark Luncheon Series, Frazier History Museum. June 9<sup>th</sup>, 2023.

**Bulinski, K.V.** "The Science of Climate Change" Keynote Speaker for Phi Beta Kappa Annual Awards Symposium, May 9<sup>th</sup>, 2023.

**Bulinski, K.V.** "*The Geoheritage of the Falls of the Ohio State Park: Past, Present, and Future*" Invited guest lecturer at the Falls of the Ohio State Park, December 3<sup>rd</sup>, 2022.

**Bulinski, K.V.** "*The Silurian Period.*" Invited presentation to the Brown County Rock and Mineral Club, Nashville, Indiana. June 18, 2022.

**Bulinski, K.V.** “*Faith and Science: Compatible and Complementary.*” Invited Keynote Speaker for the Archdiocese of Louisville Gold Mass Lecture, November 3, 2021 [https://www.youtube.com/watch?v=uZnqnkdOTZA&ab\\_channel=ArchLouKY](https://www.youtube.com/watch?v=uZnqnkdOTZA&ab_channel=ArchLouKY)

**Bulinski, K.V.**, April 22nd, 2021. Faculty Host *TEDx Bellarmine Earth Day Watch Party Event.*  
<https://www.dropbox.com/s/8jd0tkmrfwqco22/Full%20Earth%20Day%202021%20TEDx%20Event%20%281%29.mpeg?dl=0>

**Bulinski, K.V.**, February 6<sup>th</sup>, 2021. *Lessons from Earth Crises in Deep Time.* TEDx Bellarmine “What on Earth” Event.  
[https://www.ted.com/talks/kate\\_bulinski\\_lessons\\_from\\_earth\\_crises\\_in\\_deep\\_time](https://www.ted.com/talks/kate_bulinski_lessons_from_earth_crises_in_deep_time)

**Bulinski, K.V.**, April 29, 2019. *Climate Change in Deep Time: What the past can tell us about the present ecological crisis.* Drepung Gomang Buddhist Center for Engaging Compassion, Louisville, KY

**Bulinski, K.V.**, April 7<sup>th</sup>, 2019. *Climate Change in Deep Time: What the past can tell us about the present ecological crisis.* Beargrass Christian Church, Louisville, KY.

**Bulinski, K.V.**, 2018. *Devonian Paleocology of the Coral Zone at the Falls of the Ohio State Park.* Invited Public Seminar. Kentucky Paleontological Society, May 25<sup>th</sup>, 2018.

**Bulinski, K.V.**, 2017. *The Past Present and Future Research and the Famous Coral Beds of the Falls of the Ohio State Park.* Invited Public Seminar. Falls of the Ohio State Park Fossil Symposium, August 12<sup>th</sup>, 2017.

**Bulinski, K.V.**, 2016. *The Past Present and Future Research and the Famous Coral Beds of the Falls of the Ohio State Park.* Invited Public Seminar. Kentucky Paleontological Society. April 29<sup>th</sup>, 2016.

**Bulinski, K.V.**, 2012. *The Intersection of Paleontology and the Science of Climate Change.* Invited seminar presentation, Kentucky Paleontological Society. November 30<sup>th</sup>, 2012

**Bulinski, K.V.**, 2012. *Fossil Diversity Through Time.* Invited seminar presentation, KYANA Geological Society. June 19<sup>th</sup>, 2012

**Bulinski, K.V.**, 2011. *Paleocology in the Ordovician: Case Studies from the Cincinnati Arch.* Invited seminar presentation, Kentucky Paleontological Society. April 29<sup>th</sup>, 2011.

**Bulinski, K.V.**, 2009 *Faith and Reason in American Society Today: Evolution and Creationism.* Public Lecture, Hubble IYA Unveiling Event, Rauch Planetarium, November 19, 2009.

**Bulinski, K.V.**, 2009. *Life in the Ordovician.* Public Lecture for the Falls of the Ohio Fossil Festival. Falls of the Ohio State Park, September 19, 2009.

**Bulinski, K.V.**, 2009. *The Nature of Creationism and Evolution.* Invited seminar presentation, KYANA Geological Society. September 15<sup>th</sup>, 2009.

**Bulinski, K.V.**, 2009. *Paleontology in Kentucky and Beyond: using fossils to understand the history of life.* Invited seminar presentation, KYANA Geological Society. April 21, 2009.

## **INTERVIEWS, PODCASTS, AND BLOG POSTS**

**Bulinski, K.V.**, “Catechizing for a Scientific Age: Will the Church Catch Up?” Invited Guest for “What’s R Future Podcast. March 14, 2024. <https://open.spotify.com/episode/1Drj5zPWceaKYmnV7G7TCA>

**Bulinski, K.V.** “Biodiversity in Your Backyard” Contribution for Frazier History Museum newsletter. May 22, 2023

**Bulinski, K.V.**, “*Kate Bulinski on Paleontology, Faith and Reason*” Invited Guest for “Whats R Future” Podcast. June 8<sup>th</sup>, 2022.  
<https://open.spotify.com/episode/3vcrUBj6nKicWov02bOzYJ>

**Bulinski, K.V.**, “*Societal Problems Require Societal Solutions*” Blog post for Kentucky Interfaith Power and Light Non-profit. May 27, 2022. <https://www.kentuckyipl.org/post/societal-problems-require-societal-solutions>

**Bulinski, K.V.**, “*Medical Challenges, Triplets, Pandemic: Ten Strategies for Staying Afloat in Academia.*” Association for Women Geoscientists GAEA Newsletter, Spring 2022.

**Bulinski, K.V.** “*Tis the Season for Sustainability Goals*” Blog post for Kentucky Interfaith Power and Light Non-profit. December 8, 2021 <https://www.kentuckyipl.org/post/tis-the-season-for-sustainability-goals>

Cavanaugh, Ray, August 27, 2020. “What is it like being a Catholic and a Scientist?” Includes quotes from an interview. Aleteia online magazine. <https://aleteia.org/2020/08/27/what-is-it-like-being-catholic-and-a-scientist>

**Bulinski, K.V.**, July 31, 2020. “*Science, Faith, and Deep Time: A Conversation with Geologist and Paleontologist Dr. Kate Bulinski.*” Earth and Spirit Podcast for the Passionist Earth and Spirit Center. <https://anchor.fm/earthandspiritcenter/episodes/Science--Faith--and-Deep-Time-A-Conversation-with-Geologist-and-Paleontologist-Dr--Kate-Bulinski-ehaspl/a-a2q7qif>

**Bulinski, K.V.**, March 25, 2019. “*Is Recycling Really Working?*” Featured guest on Bench Talk: The Week In Science Podcast/ Radio Program for FORward Radio (WFMP 106.5) <https://soundcloud.com/wfmp-forward-radio/bench-talk-the-week-in-science-the-future-of-recycling-march-25-2019>

**Bulinski, K.V.** December 31, 2018. “*Deep Time*” Featured guest on Sustainability Now! Radio program/podcast for FORward Radio (WFMP 106.5) <https://soundcloud.com/wfmp-forward-radio/sustainability-now-kate-bulinski-deep-time-dec-31-2018>

## PROFESSIONAL DEVELOPMENT WORKSHOPS (PARTICIPANT)

2024	Kentucky Association of Environmental Education Higher Education Summit, Kentucky State University
2024	Faculty Participant, Community Engagement Scholarship Workshop
2024	Faculty Development Discussion Part 2: From Needs & Expectations to Operationalization
2023	Faculty Development Discussion: Student Needs and Expectations
2023	QPR Suicide Prevention Training
2023	Artificial Intelligence Faculty Development Session
2023	Kentucky Association of Environmental Education Higher Education Summit, Morehead State University
2022	Universal Design for Learning Workshops (February 15 and September 22)
2022	Kentucky Science Teachers Association Summit
2022	Shifts in Learning Workshop
2022	Trauma Informed Workshop Strategies
2022	Community Engagement Community of Practice Session
2021	Netvue Advising Workshop
2020	Diversity, Equity and Inclusion Training Workshop
2016	Louisville Children and Nature: Let’s Move Outside Summit
2016	Environmental Racial Justice Seminar: Environmental Justice in West Louisville
2017, 2023	Student Success Summit Workshop, Bellarmine University
2015, 2017	Council of Independent Colleges Digital Resources for Teaching and Research Workshop. Washington D.C.
2015	Bellarmine Library Sponsored Grant Information Workshop
2014	Malacology Seminar, University of Cincinnati
2012-2013	iPad Learning Community, Bellarmine University Faculty Development Workshop
2012	National Association of Geoscience Teachers: Environmental Geology Workshop, Bozeman, MT
2012	New Perspectives in Paleoecology and Macroevolution Seminar, University of Cincinnati
2011, 2012	Annual Geology Seminar, Kentucky Geological Survey, Lexington, KY
2010	NSF Grant Writing Workshop, Kentucky State University, Frankfort, KY
2010, 2012, 2013	GeoEd Conference Geospatial Technology Center, Louisville, Kentucky
2010	GIS/Geography Workshop Bellarmine University QEP Workshop
2009	National Association of Geoscience Teachers: Teaching Paleontology in the 21 <sup>st</sup> Century, Ithaca, NY
2009	Geography in the IDC Curriculum QEP Workshop

## PROFESSIONAL MEMBERSHIPS

2023-Present	Kentucky Association for Environmental Education
2018-Present	Society of Catholic Scientists
2011-Present	The Kentucky Paleontological Society
2008-Present	Kentucky Academy of Science
2010-2012	Association for the Advancement of Sustainability in Higher Education
2001-2021	The Geological Society of America
2001-2018	The Paleontological Society