

Katherine V. Bulinski

Bellarmine Department of Environmental Studies
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EDUCATION

Ph.D. in Geology
2008

The University of Cincinnati, Cincinnati, OH 45221-0013
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, 16802
THESIS: *The use of Thermogravimetric Analysis for the characterization of limestone and scrubber solids*

EMPLOYMENT

2008-Present

Associate Professor of Geosciences
School of Environmental Studies, Bellarmine University

TEACHING

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. (Enrollment=40)

Every Spring

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 will focus on recognizing environmental geological processes through frequent field trips and in-class projects. (Maximum Enrollment=24)

Alternating Fall Semesters

ENVS/BIOL 237 Paleontology

An exploration of the evolution of life through time, paleobiogeography, diversifications, 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)

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. (Enrollment=20)

As Needed

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.

As Needed

Natural History and Resources of Peru

A course exploring the environmental problems and assets that are experienced by the people of Peru. This course includes a two-week study abroad experience in Peru that includes service learning, homestays and field study.

SIGNIFICANT EXTERNAL SERVICE AND OUTREACH ACTIVITIES

- Spring 2022-Present** **Board Member, Falls of the Ohio Foundation**
An organization that seeks to elevate the awareness, recognition and legacy of the Falls of the Ohio State Park. Additionally serve on the projects committee of the board.
- Spring 2018-Present** **Archdiocese of Louisville Faith and Science Group**
Faculty participant in a multidisciplinary discussion group on the intersection of faith and science from a Catholic perspective
- Spring 2014-Present** **Co-Organizer Waldron Shale Project, Falls of the Ohio State Park**
Serve as an advisor and co-organizer of this effort for inquiry-based learning of paleontology in local K-12 schools. Organized and ran multiple teaching workshops for local K-12 teachers.
- December 2013-Present** **Board Member (Board President Fall 2016-Summer 2020), Kentuckians for Interfaith and Light**
An organization that works to promote environmental initiatives and practices from a starting point of interfaith dialogue and cooperation.
- Summer Annually** **Family Paleontology Camp**
Assist with a three-day young paleontologist camp at the Falls of the Ohio State Park for young people and their families from across the country. Directed classroom activities and field trips.
- November 2015-2017** **Councilor, Paleontological Society**
Elected as Representative-at-large, a national council position
- Spring 2013-Spring 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, maintaining minutes, and initiate communication with other advocacy groups in the commonwealth.
- March 26th, 2013** **Army Corps of Engineers Women's' History Month Celebration.**
I was invited to give a presentation about encouraging women to pursue science and math professions for the Women Inspiring Innovation through Imagination: Celebrating Women in Science, Technology, Engineering and Mathematics event.
- September 22nd, 2012** **Climate Change Symposium and Teaching Workshop**
This symposium was supported by NASA EPSCoR Grant with Dr. Rob Kingsolver. 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.
- July 11th-13th, 2011 & July 22nd-24th, 2013** **Museums and Fossils Institute Professional Development Workshop**
Co-organized (with Alan Goldstein from the Falls of the Ohio State Park) a workshop for K-12 teachers to provide instruction and resources for teaching paleontology in their own classes. This workshop was supported by the Outreach Education Award from the Paleontological Society.
- Spring 2011-2013** **Paleontological Society Student Grants Committee**

Annually evaluate several dozen graduate student research grant proposals for the Paleontological Society.

Spring 2009-Fall 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.

OTHER SELECTED REGIONAL AND UNIVERSITY SERVICE

Fall 2021-Present

Faculty Advisor, Bellarmine Beekeeping Club

Summer 2021-Present

Bellarmino Faculty Liaison, Louisville Zoo Pollinator Garden Project

Summer 2021-Present

Chair, Bellarmine University Tree Campus USA Committee

Fall 2020-Spring 2021

LET Natural Science Working Group

June 19th, 2021

Volunteer, Backyard Science Day, Falls of the Ohio State Park

Fall 2020-Spring 2021

Reader for Senior Thesis of Emma Haney, 2021 ENVS graduate

Fall 2020-Spring 2021

Search Committee Chair for ENVS Replacement Hire

Summer and Fall 2020

Interim Chair, Department of Environmental Studies

October 22nd, 2020

Panelist, Creation and the Environment, Bellarmine Campus Ministry Event

Spring 2020

Arts and Sciences School Council

Spring 2019

V.P. for Enrollment Mgmt. and Marketing Search Committee Member

Summer 2018-2019

Bellarmino University Mission and Vision Committee

December 5th, 2018

Volunteer, Late Knight Breakfast

November 8th, 2018

Organized and hosted Clare Boothe Luce Women in Science Speaker

Jan. 28th, 2018

Organized Interfaith Tu Bi'Shvat Merton Birthday Celebration Event

April 26, 2018

Moderator for Center for International Environmental Law Event

Fall 2017-2019

Bellarmino University Strategic Task Force Representative

Summer 2017-2019

Chair, Bellarmine University Faculty Family Leave Working Group

February 9th, 2017

Guest Lecture: Deep Ecology IDC: The Science of Climate Change

Fall 2016-Spring 2019

University Sustainability Task Force Member

December 7th, 2016

Invited Speaker on Climate Change, Mercy Academy

October 8th, 2016	Invited Speaker and Tour Presenter, Louisville Solar Tour
Spring 2016	Q.E.P. Selection Committee and Sustainability Subcommittee Member
February 12th, 2016	Mercy Academy Professional Development Workshop Co-lead a professional development workshop for teachers and administrators on the topic of environmental sustainability.
Fall 2015-Spring 2017	Bellarmino Internship Guarantee Focus Group Member
Fall 2015-Spring 2016	Physics Department Search Committee Member
Fall-2014-Spring 2015	Faculty Participant, Bellarmine Guatemala Service Trip Assist with organizing fundraising events, and participate in all activities including a week-long excursion to do service work in Guatemala.
Fall 2014-Summer 2019	Clare Booth Luce Research Program Assist with launching and publicizing this research program for undergraduate women at Bellarmine.
Fall 2014-2019	ENVS representative to Faculty Council
Fall 2014-Spring 2019	Faculty Participant in the Bellarmine University Oratorio Society
Fall 2014	Co-Organized "For Pete's Sake A Call to Action" This event was an effort from Faculty for Social Innovation to engage the Bellarmine community and Louisville in dialogue about current social justice issues, framed within a celebration of the life of the late folk singer, Pete Seeger.
April 8th and 9th, 2014	Organized Ecomusicology Invited Lecture This was the first co-sponsored event between ENVS and the Music Department
March 27th, 2014	Veritas Presentation: Mining and the Environment
April 13th, 2014	Guest Earth Science lecturer for homeschool student group
March 6th, 2014	St. Nicholas Academy Science Fair Judge
Spring 2014	Department of Biology Faculty Search Committee Member
December, 2013	Faculty Chaperone to Kerala, India Accompanied 9 undergraduate students as a part of a cultural immersion trip organized by campus ministry.
June 18th and 25th, 2013	Camp Nature Odyssey Lead a geology and paleontology lesson for four different age groups of children at the Passionist Earth and Spirit Center for a summer camp experience.
Spring 2012-2016	Science and Math Liaison for Bellarmine International Study Abroad Serve as primary faculty advisor for study abroad opportunities within the math and science disciplines at Bellarmine.
Spring 2013	School of Environmental Studies Faculty Search Committee Member
April 3rd, 2013	Invited Speaker on Faith and the Environment for Catholic Student Association

Every Fall, 2012-2018	1 st Grade Guest Science Speaker for Saint Francis of Assisi School
October 21 st , 2012	Guest Paleontology Speaker for The Passionist Earth and Spirit Center
January 31 st , 2012	Invited Speaker on Science and Faith for Catholic Student Association
January, 26 th 2012	Judge for Saint Francis of Assisi Science Fair
Fall 2011-Spring 2014	Faculty Development Committee
Spring 2011-2012	Bellarmino University Sustainability Working Group
Spring 2011	Bellarmino Theology Department Search Committee Member
January 20 th , 2011	5 th Grade Science Class Presentation, St. Nicholas Academy, Louisville, KY
March 20 th , 2009	Rock Identification Day, Rauch Planetarium, University of Louisville
Spring 2009-Spring 2014	Bellarmino Honors Scholars Council
Fall 2008-June 2009	Faculty Planning Committee <i>North American Paleontological Convention, Cincinnati, Ohio June 21-26, 2009</i>

SELECTED STUDENT RESEARCH ADVISING

Kate Moran Graduation (exp. Spring 2022)	Major: Biochemistry Thesis Topic: Consequences of the Urban Heat Island Effect on Wild Bergamot's VOC Emissions
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 Stomatoporoid sponges at the Falls of the Ohio Research Award: Best Bellarmino Honors Thesis
Kendra Sadler and Tonya Summerlin 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	Harvard University Extension Master's Degree

- Summer 2015-May 2016 **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 Topic: 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
- 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

SELECTED FELLOWSHIPS, GRANTS AND AWARDS

External Applications

- Kentucky Academy of Sciences Education and Outreach Grant (2019)
- Kentucky Academy of Sciences Outreach and Education Award (2017)
- Council of Independent Colleges Shared Shelf Project (2015-2018)
- Outreach Education Award, Paleontological Society (2010)

Bellarmine University

- BUKnighthed Faculty Ally Award (2019)
- William T. Miles award for Outstanding Service to the University and Region (2017)
- Global Sustainability Award, Bellarmine University "Bellie" Award (2014)
- Internationalization Stipend for travel to Guatemala (2014)
- QEP Internationalization Stipend for travel to Peru (2013)
- Faculty Development Fellowship (2012)
- QEP Internationalization Stipend for travel to Ecuador (2011)

PROFESSIONAL MEMBERSHIPS

- Association for the Advancement of Sustainability in Higher Education

Kentucky Academy of Science
Kentucky Association for Environmental Education
The Kentucky Paleontological Society
Society of Catholic Scientists
The Geological Society of America
The Paleontological Society

PEER-REVIEWED AND EDITED PUBLICATIONS

Bulinski, K.V., 2018 *Paleoecology of the Jeffersonville Limestone Coral Zone Biostrome at the Falls of the Ohio (Devonian, Kentucky-Indiana): a 21st century update*. Edited contribution in: 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*. Geological Society of America Field Trip Guidebook.

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 21st Century*, Special Publication of the Paleontological Society, Vol. 12.

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.

OTHER PUBLICATIONS

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 16th, 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 16th, 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 Association 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

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., 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 paleoecology. International Geosciences Programme Project 503 Guidebook, 185p.

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.

INTERVIEWS, PODCASTS, AND BLOG POSTS

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>

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-a2q7qjf>

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>

INVITED GUEST PRESENTATIONS FOR EXTERNAL UNIVERSITY SEMINARS

Bulinski, K.V., 2016. *The Past Present and Future Research and the Famous Coral Beds of the Falls of the Ohio State Park*. Invited University Seminar. Indiana University Southeast Geology Department. April 15th, 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-Cincinnati: 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 4th, 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 15th, 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 15th, 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.

PUBLIC OUTREACH PRESENTATIONS

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

Bulinski, K.V. “St. Francis and the Modern Ecological Crisis” Reflection for the Transitus of St. Francis of Assisi, Bellarmine University, September 30, 2021

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.mp4?dl=0>

Bulinski, K.V., February 6th, 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

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 7th, 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 25th, 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 12th, 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 29th, 2016.

Bulinski, K.V., 2013. *Geographic Aggregation of Regional Biodiversity Patterns at Multiple Scales*. Faculty Forum Presentation, March 21st, 2013.

Bulinski, K.V., 2013. *Paleontology in Kentucky and Beyond: Using Fossils to Understand the History of Life*. Bellarmine Honors Program Faculty Speaker Series. February, 13th, 2013.

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

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

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

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 3rd, 2012.

Bulinski, K.V., 2011 *Incorporating Geographic Information Systems (GIS) into the Curriculum*. Faculty Forum Presentation, April 5th, 2011.

Bulinski, K.V., 2010. *Paleontology in Kentucky and Beyond: using fossils to understand the history of life*. Faculty Forum Presentation, February 19th, 2010.

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 15th, 2009.

Bulinski, K.V., 2009. *Using range through charts: constructing a diversity curve*. Presentation for paleontology teaching workshop entitled "Teaching Paleontology in the 21st Century" Cornell University, Ithaca, NY July 31st, 2009.

Bulinski, K.V. and Hutchins, F. T., 2009. *Grounded: integrating physical and human geography*. Invited presentation for IDC workshop, Bellarmine University, May 6, 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.

SELECTED MEETING ABSTRACTS

Bulinski, K.V. *Medical Challenges, Triplets, Pandemic. Ten Strategies for Staying afloat in Academia in the Face of Overwhelming Difficulties*. Invited contribution to the session "Nevertheless She Persisted (or Not): Challenges to Retention of Women in the Geosciences through Pandemic and Non-Pandemic Times" Joint 56th annual North-Central/Southeastern Section Meeting of the Geological Society of America, April 7-8, 2022. (Submitted December 16th, 2021, In Review)

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*. (In Review). 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 organismal Interactions and diversity at the Falls of the Ohio (middle Devonian, Clarksville, Indiana) to similar Environments Within the Kaskaskia Sea* (In Review). 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* (In Review). 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* (In Review). 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., 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 Paleoecological 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*. 10th North American Paleontological Congress, Gainesville Florida, February 15th-18th (Oral Presentation)

Bulinski, K.V., 2014. *Evaluating the use of ecospace utilization analysis in fine-scale paleoecological studies*. 10th North American Paleontological Congress, Gainesville Florida, February 15th-18th (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 99th Annual Meeting, Morehead Kentucky, November 8-9th. (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)

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)

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