CURRICULUM VITAE

Beverly Z. Saylor, Ph.D.

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CONTACT INFORMATION

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EDUCATION

Doctor of Philosophy	Earth, Atmospheric and Planetary Sciences (1996) Massachusetts Institute of Technology, Cambridge, MA
Master of Science	Earth, Atmospheric and Planetary Sciences (1991) Massachusetts Institute of Technology, Cambridge, MA
Bachelor of Science	Earth, Atmospheric and Planetary Sciences (1990) Massachusetts Institute of Technology, Cambridge, MA

ACADEMIC APPOINTMENTS

2019 - present	Armington Professor, Earth, Environmental and Planetary Sciences, Case Western Reserve University, Cleveland, OH
2018 - 2019	Professor, Earth, Environmental and Planetary Sciences, Case Western Reserve University, Cleveland, OH
2005 - 2018	Associate Professor, Earth, Environmental and Planetary Sciences, Case Western Reserve University, Cleveland, OH
2003 - 2005	George B. Mayer Assistant Professor of Urban & Environmental Studies Case Western Reserve University, Cleveland, OH
1998 - 2003	Assistant Professor, Geological Sciences, Case Western Reserve University, Cleveland, OH
1996 - 1998	Weeks Postdoctoral Research Associate, Geology and Geophysics University of Wisconsin, Madison, WI

HONORS AND AWARDS

2020	Faculty Sustainability Champions Award
2006	Jackson Award for Excellence in Undergraduate Mentoring
2001	Nominee, Wittke Award for Excellence in Undergraduate Teaching
1999	Nominee, USG Undergraduate Teaching Excellence Award
1997	Honorable Mention, Best Paper in Journal of Paleontology
1996	Albert and Alice Weeks post-doctoral fellowship
1991	Clare Boothe Luce graduate fellowship for women

PROFESSIONAL SERVICE

Manuscript review	Geology, GSA Bulletin, JSR, Sedimentary Geology, Palaeogeography, Palaeoclimatology, Palaeoecology, Energy Conversion and Management, Fuel Technology, e-life and others
Proposal review	National Science Foundation, Department of Energy, National Energy Technology Laboratory, Petroleum Research Fund
Regional committees	NORTECH Water Review
Public lectures	Topics include shale gas, climate change and Earth history for the Institute for the Science of Origins, Science Café, Siegel Lifelong Learning Program, municipalities, and other not-for-profit organizations
Workshop member	•Lower Awash Valley Field Workshop, Ethiopia (remote participant), 2019; •African Rift Valley Research Consortium Workshop, Arizona State University, 2019, Cleveland Museum of Natural History, 2016, 2015. •The Paleobiology, Taxonomy and Paleoecology of Early *Australopithecus:* A Collaborative Approach to Synthesizing the Evidence, Cleveland Museum of Natural History, 2013. •GeoPRISMS, Planning Workshop for the East African Rift System 2012. •-NSF JOIDES Workshop Margins: From Source to Sink, 2000.
Fulbright host	Faculty Associate for Fulbright Visiting Scholar, Dr. Mulugeta Alene, 2011

INSTITUTIONAL SERVICE

2019	CAS Representative to Faculty Senate Executive Committee
2017 – Present	University Faculty Senate
2017	Committee on Undergraduate Education, GER Thinking Group
2016	Chair, Ad Hoc Committee on the General Education Breadth Requirement
2015	Squire and Trehaft Scholarships Interview Committee
2012 – 2015	College of Arts and Sciences Executive Committee
2013 – 2014	Chair, Colleges of Arts and Sciences Executive Committee
2010 – 2012	Search Committee, Engineering Faculty Hiring Initiative
2011	Dean’s Review Committee, College of Arts and Sciences

2010	University Faculty Senate
2010 – 2011	Chair, College of Arts and Sciences Strategic Planning Committee
2009 – 2011	College of Arts and Sciences Budget Sub-committee
2008 – 2011	College of Arts and Sciences Strategic Planning Committee
2009 – 2010	University Energy Alliance Working Group
2000 – 2010	University Farm Committee
2005 – 2008	College of Arts and Sciences Executive Committee
2001 – 2006	Co-Founder, Co-Director, Women in Science & Engineering Roundtable
2000 – 2002	University Undergraduate Faculty Executive Committee

TEACHING

(Courses since 2005, number of students in parentheses.)

SAGES	FSNA 113 Environmental Decision Making – Yr: 2007 (17), 2009 (17), 2010 (17), 2011 (16), 2013 (16), 2015 (17), 2017 (16), 2019 (17) USNA 206 Land and Life – Yr: 2005 (17), 2006 (17), 2007 (18), 2008 (19)
Lecture + Lab	GEOL/EEPS 301/401 Stratigraphy and Sedimentology - Yr: 2009 (12), 2013 (7), 2014 (12), 2016 (10), 2020 (10)
Field Methods	GEOL/EEPS 317/417 Introduction to Geological Field Methods, 2005 (5), 2007 (11), 2010 (9), 2012 (9), 2013 (12), 2015 (6), 2018 (9), 2020 (10)
Thesis Sequence	EEPS 390 Introduction to Geological Research – Yr: 2015 (2), 2017 (7), 2019 (7) EEPS 391 Senior Project – Yr: 2005 (1), 2006 (1), 2008 (1), 2011 (2), 2012 (1), 2014 (2), 2016 (1), 2017 (1), 2020 (2) EEPS 392 Professional Presentation – Yr: 2005 (2)
Graduate Seminar	EEPS 471 Shale Energy – Yr: 2012 (4)

Guest lectures for other courses and reading courses for graduate students.

ADVISING

Doctor of Philosophy

Kalpani Rathnayake, Ph.D in Geology, Kent State University, expected 2020
secondary advisor

Angeline Catena, Ph.D in Biological Sciences, 2018
Testing the causes of Middle Miocene neotropical provinciality in South America
secondary advisor

Julie Bloxson, Ph. D in Earth, Environmental & Planetary Sciences, 2017

Mineralogical and facies variations within the Utica Shale and adjacent formations, Ohio using visible derivative spectroscopy, principal component analysis, and multivariate clustering of well logs

Ruth Jacob, Ph.D, 2015
Processes related to hydrodynamic and mineral trapping for the purpose of carbon storage in deep saline aquifers

Biniam Zerai, Ph.D, 2006
CO_2 sequestration in saline aquifer: geochemical modeling, reactive transport simulation and single-phase flow experiment

Master of Science — Evan Scott, secondary advisor, M.S., 2015,
The first monodominant hadrosaur bonebed from the Oldman Formation (Campanian) of Alberta

Joshua Angelini, M.S., 2009
Tephrostratigraphy in the Woranso-Mille study area in the Afar region of Ethiopia

Michael Oliver, M.S. in Mechanical Engineering, 2004, secondary advisor

Thesis Committee — 11 additional Ph.D students and 8 additional M.S. students

Senior Project — Katherine Allen ('06), Madeline Atkins ('15), Dylan Davis ('12), Colleen Laird ('18), Evan Lanese ('15), Emily LaPietra ('12), Neil Mathes ('18), Christopher Mudry ('15), Andrew Opsitnik ('09), Kristen Poinar ('07, physics), Janice Poling ('01), Lauren Skaggs ('07), Jonathan Stebbins ('18).

First Year Advisor — During 2007, 2009, 2010, 2011, 2013, 2015, 2017, 2019

RESEARCH AWARDS

External

2013 - 2017	National Science Foundation; Can habitat and elevation explain mid-Miocene Neotropical mammal provinciality, with Darin Croft as PI; $233,934.
2012 - 2016	National Science Foundation; Collaborative Research: Pliocene Geology, Geochronology, and Paleoanthropology of Woranso-Mille Ethiopia, PI $66,969.
2010 - 2012	Ohio Air Quality Development Authority; Baseline calibration of Geophysical Properties of Reservoir and Cap Rock, PI; $139,031.
2010 - 2012	Ohio Coal Research Consortium; Modeling and Experimental Study of Gas, Brine, Rock Reactions during Injection and Storage of CO_2 and CO-injectants, PI; $159,785.
2004 - 2010	Ohio Coal Research Consortium; CO_2-Brine-Rock Reactions for Carbon Sequestration in Ohio's Deep Sandstone Formations, PI; $480,000.
2002 – 2005	Environmental Protection Agency, Lake Erie Trophic Status, collaborator with G. Matisoff as PI; $25,000 for my part of multi-investigator project.

2001 – 2003 Ohio Coal Research Consortium; Multiphase Flow Characterization in Geological Formations for CO_2 Sequestration, co-PI with J. R. Kadambi; $149,271.
2000 - 2004 Ohio Coal Development Organization; Carbon Dioxide Sequestration in the Rose Run Formation, PI; $314,000.
2000 – 2002 National Science Foundation; Geochemical Fingerprinting of Volcanic Ash Beds from the Terminal Proterozoic Nama Group, Namibia, PI; $38, 387.
2000 – 2002 Ohio Sea Grant, AMS Radiocarbon Age Constraints on Lake Erie Record of Lake Level and Climate Change, PI; $7,497.

Internal
2019 ACES+ Advance Opportunity Grant; $3800
2007 Academic Careers in Engineering and Science Department Initiative Grant; $10,000.
2001 - 2002 Ohio Board of Regents President's Research Initiative; Technology Development for Sequestration of Carbon Dioxide and Hazardous Waste, PI; $49,942.
1999 - 2000 Nord Grant; Interdisciplinary Course Development, PI; $10,000.
1999 – 2000 Hewlett Grant for Curricular Revisions; PI; $6,500.
1999 – 2000 Flora Stone Mather Alumni Association; Field Course Development, PI; $1,500.

PUBLICATIONS

2020 Gibert, L., Deino, A., Valero, L., Anaya, F., Lería, M. Saylor, B. Croft, D. Chronology of Miocene terrestrial deposits and fossil vertebrates from Quebrada Honda (Bolivia). *Palaeogeography, Palaeoclimatology, Palaeoecology* doi.org/10.1016/j.palaeo.2020.110013
2019 Saylor, B.Z., Gibert, L., Deino, A., Alene, M. Levin, N. E., Melillo, S., Peaple, M.D.,Feakins, S.J., Bourel, B. Barboni, D. Novelloe, A. Sylvestre, F., Mertzman, S.A., Haile-Selassie, Y., Age and context of mid-Pliocene hominin craniums from Woranso-Mille, Ethiopia, *Nature* v. 573, p. 220-224, doi.org/10.1038/s41586-019-1514-7
2017 Catena, A.M**.**, Hembree, D.I., Saylor, B.Z., Anaya, F., Croft, D.A., Paleosol and ichnofossil evidence for significant Neotropical habitat variation during the late middle Miocene (Serravallian), *Palaeogeography, Palaeoclimatology, Palaeoecology* v. 487, p. 423-439 doi:10.1016/j.palaeo.2017.09.024
2017 Alene, M., Hart, W.K., Saylor, B.Z., Deino, A., Mertzman, S., Haile-Selassie, Y., and Gibert, L., Geochemistry of Woranso-Mille Pliocene basalts from west-central Afar, Ethiopia: Implications for mantle source characteristics and rift evolution, *Lithos*, v. 282-283, p. 187-200. doi:10.1016/j.lithos.2017.03.005.
2016 Catena, A.M., Hembree, D.I., Saylor, B.Z., Anaya, F., Croft, D.A., Paleoenvironmental analysis of the neotropical fossil mammal site of Cerdas, Bolivia (middle Miocene) based on ichnofossils and paleopedology, *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 459, p. 423-439, doi:10.1016/j.palaeo.2016.07.028.
2016 Haile-Selassie, Y., Melillo, S.M., Ryan, T.M., Levin, N.E., Saylor, B.Z., Deino, A., Mundil, R., Scott, G., Alene, M., Gibert, L., Dentognathic remains of *Australopithecus afarensis* from Nefuraytu (Woranso-Mille, Ethiopia): Comparative description, geology, and paleoecological context, *Journal of Human Evolution*, v. 100, p. 35-53, doi:10.1016/j.jhevol.2016.08.003.

2016 Jacob, R. and Saylor, B.Z., CO_2 solubility in multi-component brines containing NaCl, KCl, $CaCl_2$ and $MgCl_2$ at 297 K and 1 - 14 MPa. *Chemical Geology*, v. 424, p. 86-95, doi:10.1016/j.chemgeo.2016.01.013.

2016 Saylor, B.Z., Angelini, J., Deino, J., Alene., M., Fournelle, J., Haile-Selassie, Y., Tephrostratigraphy of the Waki-Mille area of the Woranso-Mille Paleoanthropological Research Project Area, Afar, Ethiopia, *Journal of Human Evolution*, v. 93, p. 25-45, doi:10.1016/j.jhevol.2015.12.007.

2016 Saylor, B.Z., Alene, M., Deino, A., Gibert, L., Haile-Selassie, Y., Melillo, S., Scott, G., The geologic context of Korsi Dora and the KSD-VP1/1, *in* Haile-Selassie, Y. and Su, D., eds. The Postcranial Anatomy of *Australopithecus afarensis*, Springer Netherlands, p, 13-23, doi:10.1007/978-94-017-7429-1_2.

2015 Haile-Selassie, Y., Gibert, L., Melillo, S.M., Ryan, T.M., Alene, M., Deino, A., Levin, N.E., Scott, G., and Saylor, B.Z. New species from Ethiopia further expands Middle Pliocene hominin diversity, *Nature*, v. 521, p. 483-488, doi:10.1038/nature14448.

2015 Levin, N.E., Haile-Selassie, Y., Frost, S.R., and Saylor, B.Z., Dietary change among hominins and cercopithecids in Ethiopia during the early Pliocene, *Proceedings of the National Academy of Sciences*, v. 112, p. 12304-12309, doi:10.1073/pnas.1424982112

2014 Angus, J.C., Percy, S.W., Saylor, B.Z., eds, Summer Issue of the Bridge on Shale Gas: Promises and Challenges, National Academy of Engineering, v. 22, n. 2.

2014 Angus, J.C., Percy, S.W., Saylor, B.Z., NAE Topical Meeting: Shale Gas: Promises and Challenges, Editor's Note, in Angus, J.C., Percy, S.W., Saylor, B.Z., eds., Summer issue of the Bridge on Shale Gas: Promises and Challenges, National Academy of Engineering, v. 22, n. 2, p 22-25.

2012 Haile-Selassie, Y., Saylor, B.Z., Deino, A., Levin, N.E., Alene, M., A new hominim foot from Ethiopia shows multiple Pliocene bipedal adaptations, *Nature*, v. 483, p. 565-569, doi:10.1038/nature10922.

2010 Deino, A., Scott, G., Saylor, B.Z., Alene, M., Haille-Selassie, Y., Angelini, J., $^{40}Ar/^{39}Ar$ dating, paleomagnetism, and tephrochemistry of Pliocene strata of the hominid-bearing Woranso-Mille area, west central Afar Rift, Ethiopia, *Journal of Human Evolution*, v. 58, p. 111-126, doi:10.1016/j.jhevol.2009.11.001.

2010 Haile-Selassie, Y., Latimer, B.M., Alene, M., Deino, A.L., Gibert, L., Melilo, S.M., Saylor, B.Z., Scott, G.R., and Lovejoy, C.O., An early *Australopithecus afarensis* postcranium from Woranso-Mille, Ethiopia, *Proceedings of the National Academy of Sciences*, v. 107, p. 12121-12126, doi:10.1073/pnas.1004527107.

2010 Haile-Selassie, Y**., Saylor, B.Z.,** Deino, A., Alene, M., Latimer, B.M., 2010, New Hominid Fossils from Woranso-Mille (Central Afar, Ethiopia) and Taxonomy of Early *Australopithecus*, *American Journal of Physical Anthropology*, v. 141, p. 406-417, doi:10.1002/ajpa.21159.

2009 Zerai, B., Saylor, B.Z., and Allen, D., Quantification of CO_2 trapping and storage capacity in the subsurface; uncertainty due to solubility models, in McPherson B. and Sundquist E.T., eds., Carbon Sequestration and Its Role in the Global Carbon Cycle: Geophysical Monograph, v. 183, p. 249-260, doi:10.1029/2005GM000323.

2007 Haile-Selassie, Y., Deino, A., Saylor, B., Umer, M., and Latimer, B., Preliminary geology and paleontology of new hominid-bearing Pliocene localities in the central

Afar region of Ethiopia, *Anthropological Science*, v. 115, p. 215-222, doi:10.1537/ase.070426.

2006 Oliver, M.J., Kadambi, J.R., and Saylor, B.Z., Pore-scale Interfacial Velocity Measurement: An Experimental Investigation of Immiscible Displacement in Porous Media, Journal of Environmental Engineering and Management, v. 16, p. 283-287.

2006 Zerai, B., Saylor, B.Z**.**, and Matisoff, G., Computer Simulation of CO_2 trapped through mineral precipitation in the Rose Run Sandstone, Ohio, *Applied Geochemistry*, v. 21, p. 223-240. doi:10.1016/j.apgeochem.2005.11.002.

2005 Clotts, R.A., McCambridge, C.E., Barrera, E., Saylor, B.Z., Palmer, D.F., and, Coakley, J.P., Mid-Holocene hydrologic change and hypolimnion formation in Lake Erie, *Journal of Great Lakes Research*, v. 31, p. 296-308, doi:10.1016/S0380-1330(05)70322-1.

2005 Saylor, B.Z., Poling, J.M., Huff, W., Stratigraphic and geochemical correlation of ash beds in the terminal Proterozoic Nama Group, Namibia, *Geological Magazine*, v. 142, p. 519-538, doi:10.1017/S0016756805000932.

2005 Zerai, B., Saylor, B.Z**.**, Kadambi, J.R., Oliver, M., Mazaheri, A.R., Ahmadi, G.,Bromhal, G.S., and Smith, D.H., Flow characterization through a network cell using particle image velocimetry, *Transport in Porous Media*, v. 60, p. 159-181, doi:10.1007/s11242-004-4796-6.

2005 Mazaheri, A.R**.,** Zerai, B., Ahmadi, G., Kadambi, J.R., Saylor, B.Z., Oliver, M., Bromhal, G.S., and Smith D.H. Computer simulation of flow through a lattice flow-cell model, *Advances in Water Resources*, v. 28, p. 1267-1279, doi:10.1016/j.advwatres.2004.10.016.

2004 Saylor, B. and Zerai, B., Injection and trapping of CO_2 in deep saline aquifers, *in* Gieré R. and Stille P., eds., Energy, Waste, and the Environment: A Geochemical Approach: Geological Society, London, Special Publication 236, p. 285-296.

2003 Saylor, B.Z., Sequence stratigraphy and carbonate-siliciclastic mixing in a terminal Proterozoic foreland basin, Urusis Formation, Nama Group, Namibia, *Journal of Sedimentary Research*, v. 73, p. 262-277, doi:10.1306/082602730264.

2000 Jensen, S., Saylor, B.Z., Gehling, J., Germs, G.J.B., Behavioral evolution and the Cambrian "explosion": new evidence from the terminal Proterozoic of Namibia, *Geology*, v. 28, p. 143-146, doi:10.1130/0091-7613(2000).

1999 Choi, Y.S., Simo, J.A., Saylor, B.Z., Sedimentologic and sequence stratigraphic interpretation of a mixed carbonate-siliciclastic ramp, mid-continent epeiric sea, Late Ordovician Decorah and Galena formations, Wisconsin, in Harris P.M., Saller, A., and Simo, J.A., eds., Advances in Carbonate Sequence Stratigraphy: SEPM Special Publication 62., p. 275-289.

1998 Saylor, B.Z., Grotzinger, J.P., Kaufman, A.J., Urban, F., A composite reference section for terminal Proterozoic Strata of southern Namibia, *Journal of Sedimentary Research*, v. 68, p. 1223-1235.

1997 Narbonne, G.M., Saylor, B.Z., Grotzinger, J.P., The youngest fossils from southern Africa, *Journal of Paleontology*, v. 71, p. 953-967, doi:10.1017/S0022336000035940.

1996 Saylor, B.Z. and Grotzinger, J.P., Reconstruction of important Proterozoic-Cambrian boundary exposures through the recognition of thrust deformation in the Nama Group of southern Namibia, *Communications of the Geological Society of Namibia*, v. 11, p. 1-12.

1995 Saylor, B.Z., Grotzinger, J.P., and Germs, G.J.B., Sequence stratigraphy and sedimentology of Vendian to Cambrian Kuibis and Schwarzrand Subgroups of Namibia, *Precambrian Research*, v. 73, p. 153-171.

1995 Grotzinger, J.P., Bowring, S.A., Saylor, B.Z., Kaufman, A.J., New constraints on animal evolution, *Science*, v. 270, p. 598-604, doi:10.1126/science.270.5236.598.

1993 Saylor, B.Z., Progress report on the sedimentology and stratigraphy of the Kuibis and Schwarzrand Subgroups, Witputs area, southwestern Namibia, *Communications of the Geological Society of Namibia*, v. 8, p. 127-135.

1992 Saylor, B.Z., 1992, Reconnaissance of the stratigraphy and structure of the Basler Lake area, southern Wopmay Orogen, Northwest Territories, *Current Research*, Part C, Geological Survey of Canada, v. 92-1C, p. 259-268.

CONFERENCES ORGANIZED AND INVITED LECTURES

2013 National Academy of Engineering Topical Conference on the Promises and Challenges of Shale Gas, Cleveland, Ohio, conference co-organizer.

2005 AGU Chapman Conference on Carbon Sequestration and Its Role in the Global Carbon Cycle, San Diego, California, conference coordinator and co-chair.

2004 "Injection and Trapping of CO_2 in Deep Saline Aquifers" 11'th International Symposium on Supercritical Fluid Chromatography, Extraction and Processing, Pittsburgh, Pennsylvania, invited lecture.

FIELD GUIDES AND FIELD REPORTS

2019 Campisano, C.J. and Lower Awash Valley Workshop Participants, Geological collaboaration at paleoanthropological sites in Ethiopia's lower Awash Valley, *Evolutionary Anthropology*, DOI: 10.1002/evan.21800.

1997 Saylor, B.Z., Byers, C.W., and Simo, J.A., Middle and Upper Ordovician paleoceanography and paleoclimate, in Mudrey, M.G. Jr. ed. Guide to field trips in Wisconsin and adjacent areas of Minnesota, Geological Society of America North Central Section.

1995 Saylor, B.Z., Field guide to the Nama, Witvlei and related basins, southern Namibia, Part B, IGCP Project 320.

1995 Hoffmann, K.H., Saylor, B.Z., Grotzinger, J.P., Hegenberger, W., Field guide to the Nama, Witvlei, and related basins in southern Namibia , Part A., IGCP Project 320.

THESES

1996 Saylor, B.Z., Sequence stratigraphy and chemostratigraphy of Neoproterozoic basins in southern Namibia, Doctoral thesis. 220 p.

1991 Saylor, B.Z., The Titus Canyon Formation: Evidence for early Oligocene strike slip deformation in the Death Valley area, CA, Masters thesis, 54 p.

RECENT CONFERENCE ABSTRACTS

2020 Crodt et al. Paleoenvironment and chronology of the late middle Miocene (Serravallian) mammal site of Quebrada Honda, southern Bolivia, Society of Vertebrate Paleontologists Annual Meeting.

2020 Melillo et al. The first cranium of *Autralopithecus* anamensis, American Association of Physical Anthropologists Annual Meeting.

2019 Yarus, J.M., Gutierrez, S., Fathi, A., Bloxson, J., French, R., Saylor B, Building reliable local Earth models of the Utica Shale reservois in the presence of missing values and sparse data: and integration of classic statistics, spatial statistics, and machine learning, AAPG Eastern Section.

2018 Ratnayake, K.M., Ortiz, J.D., Saylor, B.Z., Wells, N.A., Smith A.J. Holocene paleoclimate evidence from a core from the Eastern Basin of Lake Erie: a multiproxy approach, GSA Annual Meeting.

2018 Ratnayake, K.M., Ortiz, J.D., Wells, N., Smith, A. J., Saylor, B., Reconstruct Holocene climate oscillations recorded in Lake Erie sediment: a multi-proxy approach, American Geophysical Union, PP13F-1392.

2018 Scott, E., Ryan, M., Evans, D., Saylor, B., Evidence for age-related social structures in *Gryposaurus* from the Oldman Formation (Campanian) of Alberta, Canada, Canadian Sociatey of Vertebrate Paleontology.

2016 Catena, A.M., Saylor, B.Z., Croft, D.A., Using ichnofossils and paleosols to reconstruct the Middle Miocene paleoenvironment of Quebrada Honda, Bolivia, Geological Society of America Abstracts with Programs, v. 48, no. 7.

2016 Bloxson, J.M. and Saylor, B.Z. Core reflectance spectroscopy and well logging of the Point Pleasant/Utica sub-basin, Ohio, AAPG Eastern Section Meeting, Lexington Kentucky Sept. 25-27.

2015 Catena, A.M., Hembree, D.I., Saylor, B.Z., and Croft, D.A., Reconstructing Miocene neoptropical paleoenvironments: a case study from the paleosols and ichnofossils of Cerdas, Bolivia, Geological Society of America Abstracts with Programs. Vol. 47, No. 7, p.717.

2015 Catena, A.M., Saylor, B.Z., and Croft, D.A., Reconstructing the Middle Miocene paleoenvironment of Quebrada Honda, Bolivia, using ichnology and paleopedology, Geological Society of America Abstracts with Programs. Vol. 47, No. 7, p.595.

2015 Bloxson, J.M., Saylor, B.Z., Ortiz, J., and Cowen, J.E., Mineralogy of the Point Pleasant Formation within the Sebree Trough, SW Ohio, using VNIR spectroscopy and XRD, Geological Society of America Abstracts with Programs. Vol. 47, No. 7, p.759.

2015 Alene Araya, M., Saylor B.Z., Deino A., Hart W.K., Mertzman S.A., Gibert L.B. & Haile-Selassie Y., Geochemistry and mantle source characteristics of the Woranso-Mille Pliocene basalts, West-Central Afar Rift, Ethiopia, Goldschmidt Abstracts, 105.