## CATHERINE E. BADGLEY Curriculum Vitae

### PERSONAL INFORMATION

Address Telephone Email address Lab website Orcid ID	Department of Ecology and Evolutionary Biology, University of Michigan, 1109 Geddes Avenue, Ann Arbor, MI 48109-1079 734-763-6448 (office) <u>cbadgley@umich.edu</u> http://sites.lsa.umich.edu/badgley-lab/ orcid/org/0000-0002-2851-1908
EDUCATION	
1982 1974 1972	PhD., Biology Department, Yale University Master of Forest Science, Yale School of Forestry and Environmental Studies B.A., magna cum laude, Geology Department, Radcliffe College (Harvard University)
EMPLOYMENT	
2017-present	Associate Professor (dry appointment), Department of Earth and Environmental Sciences
2013-present	Associate Professor, Department of Ecology and Evolutionary Biology, and Residential College, University of Michigan
2007-2013	Assistant Professor, Department of Ecology and Evolutionary Biology, and Residential College, University of Michigan
2004-present 1992-2004	Research Scientist, Museum of Paleontology, University of Michigan Associate Research Scientist, Museum of Paleontology and Department of Geological Sciences, University of Michigan
1987-2007	Lecturer, Residential College, University of Michigan
1985-1992 1985-87	Assistant Research Scientist, Museum of Paleontology, University of Michigar Visiting Assistant Professor, Department of Geological Sciences, University of Michigan
1982-1985	Postdoctoral fellow, Michigan Society of Fellows and Visiting Assistant Professor, Department of Geological Sciences, University of Michigan

### RESEARCH INTERESTS

Biogeography, vertebrate paleontology, paleoecology, taphonomy, sustainable agriculture

## MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Quaternary Association Ecological Society of America International Biogeography Society The Paleontological Society Society of Vertebrate Paleontology

2014	Joseph T. Gregory Award for service to the Society of Vertebrate
2012	Paleontology Fellow of the Paleontological Society
FUNDING FOR RES	EARCH AND TRAINING: EXTERNAL GRANTS
2017-2022	National Science Foundation, RCN: Mammal diversification in relation to dynamic landscapes, \$495,276. PI C. Badgley and lead institution UM, co-Pls, Edward Davis, Brett Riddle
2012-2013	National Evolutionary Synthesis Center (NESCent). Diversification of North American rodents: Integrating phylogeography with the fossil record (catalysis meeting; PI C. Badgley, co-PI Brett Riddle)
2010-2013	National Science Foundation, REU Site: EDQUE2ST, Enhancing diversity, quality, and understanding of the ecological/evolutionary sciences for tomorrow, \$227,000. (co-PI with John Vandermeer (PI), Josephine Kurdziel)
2010-2014	National Science Foundation, Collaborative Research: Climatic and biotic transformations of Neogene mammalian faunas of Pakistan (PI C. Badgley and lead institution UM, co-PI A.K. Behrensmeyer), \$200,000. (with collaborators John Barry, David Pilbeam, Thure Cerling)
2002-08	National Science Foundation, Ecological diversity of Miocene Mammals of Pakistan (PI C. Badgley, co-Pls John Barry, A. K. Behrensmeyer, Thure Cerling), \$390,000; supplement, \$24,510
1994-96	National Science Foundation, Ecological structure of mammalian faunas i relation to climate, \$50,000; REU Supplement, \$4832
1990-92	National Science Foundation, Mammalian community organization and paleoenvironmental inference, \$74,135
1983-86	National Science Foundation, Dynamics of faunal turnover: Taphonomy and paleoecology in the early Cenozoic history of mammals, \$65,300

FUNDING FOR RESEARCH, TRAINING, AND TEACHING: INTERNAL GRANTS AND AWARDS

2014-2017 2014-2017 2014-2015	Associate Professor Support Fund Evolving Earth Foundation (for graduate student, K.M. Loughney) Third Century Initiative (TLTC) Grant, with Ivette Perfecto Center for Global and Intercultural Study, Global Course Connections Grant, with Ivette Perfecto
2013-2014	Literature, Science, and the Arts, Instructional Technology Faculty Grant
2011	Office of the Vice President for Research and College of Literature,
	Science and Arts Faculty Grants and Awards
2011	Rackham Graduate School, Spring/summer research partnership
2011	Research grant, ADVANCE Program
2010	Research grant, ADVANCE Program
2010	Office of International Programs, Integrating Study Abroad into the
	Curriculum, with Ivette Perfecto
2009	Public Goods Council, with Kate Mendeloff and Amy Harris
2008	Office of International Programs, Integrating Study Abroad into the

	Curriculum, with Ivette Perfecto
2006	Public Goods Council, with Kate Mendeloff and Amy Harris
2004	Office of International Programs, Integrating Study Abroad into the
	Curriculum, with Ivette Perfecto
2003	Office of the Provost, Global Intercultural Experience for Undergraduates,
	with Ivette Perfecto
1999	Undergraduate Research Opportunity Grant
1999	Center for Learning and Teaching, Interdisciplinary Faculty Associates
	Grant
1999	Center for Learning through Community Service, Kellogg Civic
	Engagement Grant
1998	Office of Vice President for Research, Lecturer Professional Development
1995	Office of Vice President for Research, Travel to Pakistan
1995	Research funds, University of Michigan Global Change Program
1993	Research funds, University of Michigan Global Change Program
1991	Research funds, University of Michigan Global Change Program

NATIONAL AND INTERNATIONAL SERVICE

2017	Organizer for Research Coordination Network: Mammal diversification in relation to dynamic landscapes (research network of 18 geologists, paleontologists, and phylogeographers)
2016-2017	Senior Editor, Paleobiology
2015-present	Associate Editor, Paleobiology
	Scientific Advisory Committee, Museo Nacional de Ciencias Naturales, Madrid, Spain
	Board member, Wild Farm Alliance
2014-present	Paleontological Society Medal Award Committee and Committee on Fellows, The Paleontological Society
	The Organic Center, Science Advisory Board
2013-present	Editorial Board, Organic Farming (new journal)
	Member, Less=More coalition (farmers and environmentalists in Michigan)
2012-present	Nominating Committee and Financial Oversight Committee, Society of Vertebrate Paleontology
2012-2014	Wallace Prize Committee, International Biogeography Society
2011-present	Board of Editors, Journal of Sustainable Agriculture
- 1	Financial Oversight Committee, Society of Vertebrate Paleontology
2010-present	Development Committee, Society of Vertebrate Paleontology
2010-2012	Deep-Earth Time Life Observatory Network (DETELON), Executive Committee
2009-2011	Paleontological Society Medal Award Committee, Paleontological Society
2008-2009	Organizing Committee, 9 <sup>th</sup> North American Paleontological Convention
2008-2010	Executive Committee (as Past President), Society of Vertebrate
	Paleontology
2006-2008	President, Society of Vertebrate Paleontology
2004-2006	Vice-President, Society of Vertebrate Paleontology
2005	National Science Foundation, Review panel, Tree of life Program
2002	Co-organizer with Cynthia Beall, Biodiversity Survival in Modern Habitats,
	Symposium, American Association for the Advancement of Science annual meeting, Boston

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2001-2005	Advisory Board, Wild Farm Alliance
2000	Co-organizer with Ivette Perfecto, Seeds in the Winds of Change: A Forum on Genetically Engineered Foods, Ann Arbor, Michigan
1998-2002	U.S. National Committee, International Union of Biological Sciences
1998-2002	Scientific Advisory Board, The Land Institute, Salina, Kansas
1996-2001	Secretary, Society of Vertebrate Paleontology
1995	Co-editor with A. K. Behrensmeyer, Long Records of Continental
	Ecosystems: Paleogene of Wyoming-Montana and Neogene of Pakistan-
	special issue of Paleogeography, Paleoclimatology, Paleoecology
1994-96	Co-chair, Membership Committee, Society of Vertebrate Paleontology
1992	Co-organizer with A. K. Behrensmeyer, Long Records of Land Biotas:
	A Comparison of Wyoming-Montana Paleogene and Siwalik Neogene
	Sequences, Symposium, 5th North American Paleontological Convention
1986-1989	Associate Editor, Journal of Human Evolution
1984-1986	Co-editor with Robert O. Whyte, East Asian Tertiary/Quaternary Newsletter,
	Centre of Asian Studies, University of Hong Kong
1984	Co-organizer with Philip Gingerich, Short Course on Mammals,
	Paleontological Society, Geological Society of America Annual Meeting

ACADEMIC SERVICE AT THE UNIVERSITY OF MICHIGAN

2015-2018	Associate Chair for the Undergraduate Program, Department of Ecology and Evolutionary Biology
2013-present	Advisory Board, Sustainable Food Systems Initiative
2012-2014	Chair, Diversity Committee, Department of Ecology and Evolutionary Biology
2012-present	Advisory Committee, Matthaei Botanical Gardens and Nichols Arboretum
2010-2014	Faculty advisor, academic minor in Science, Technology, and Society
	(home unit, Residential College); also from 2003-2008
2013-2014	Faculty search committees, Department of Ecology and Evolutionary Biology
2010-2013	Co-director, EDQUE2ST, Enhancing Diversity, Quality, and Understanding
	of the Ecological and Evolutionary Sciences for Tomorrow (NSF-funded
	Research Experience for Undergraduates), with John Vandermeer and
	Josephine Kurdziel
2010-2012	Executive Committee, Department of Ecology and Evolutionary Biology
2008-2010	Graduate Affairs Committee, Department of Ecology and Evolutionary Biology
2003-2010	Program Head, Residential College Science, Technology, and Society
2006	Moderator, Summit on Scientific Integrity, UM Biological Station
2005-2006	Steering Committee, Evolution Theme Semester
2003-2006	Executive Committee, Residential College
2003-2004	Presidential Environmental Steering Committee
2001-2004	Advisory Committee, Matthaei Botanical Gardens and Nichols Arboretum
2001-2004	Advisory Committee, Program in the Environment
2000-2001	Environmental Science/Studies (design of concentration) Committee
1998-2002	Director, LS&A Environmental Studies Program
1998-2001	Chair, Steering Committee for Environmental Issues and Research on
	Campus, Office of the Vice President for Research
1996-98	Steering Committee, Environmental Theme Semester
1994-96	Director, Natural History Writer's Project at UM Biological Station

## FIELD RESEARCH EXPERIENCE

2012-present 2010-present	Miocene of Mojave Desert region (Barstow and Cajon Valley), California Amboseli Bone Survey Research Project and related isotope ecology, Kenya
1997	Tibetan uplift, Lanzhou University-University of Michigan, Gansu and Qinghai provinces, China
1990	Paleoecology and stratigraphy, Nihewan Basin, Hebei Province, China
1987-1990	Paleocology and geochronology, Snake River Plain (Neogene), Idaho
1982-1985	Paleoecology and faunal change, University of Michigan Museum of Paleontology Clarks Fork Basin Research (Paleogene), Wyoming
1981-1983	Invited scientist, Lufeng Research Project (Miocene), Yunnan Province, Institute of Vertebrate Paleontology and Paleoanthropology, Beijing, China
1975-present	Paleoecology, taphonomy, faunal change, Harvard Peabody Museum- Geological Survey of Pakistan Siwalik Research, Pakistan
1974	Ecology and paleoecology, Koobi Fora Research Project, Kenya

COURSES TAUGHT AT THE UNIVERSITY OF MICHIGAN (\*taught in the last three years)

2007-present	In Department of Ecology & Evolutionary Biology
	Biogeography*
	Introduction to Global Change: the Science of Sustainability (with George Kling, James Gleason)*
	Topics in Biogeography (graduate seminar)*
1987-present	Geohistorical approaches to diversification (graduate seminar)* In Residential College
1907-present	<b>o</b>
	Alternative Futures in the Michigan Food System*
	Apocalyptic Planet: The Science and Politics of Global Change*
	Food, Land, and Society (with Ivette Perfecto)*
	Introduction to Food Systems (with Ivette Perfecto)*
	World Resources and Global Change
	History of Life
	Field Ecology
	Culture and Environment
	Big Questions for a Small Planet/Introduction to Environmental Studies
	Sustainability and the Campus
	The Biodiversity of the United States (mini-course)
	The Global Banquet: Paradoxes in the World Food System
	Darwin in Performance (with Kate Mendeloff)
1990-1998	Seminars in Honors Program (DeRoy visiting scholars)
	Revitalizing Citizen Democracy, with Frances Moore Lappé
	Rethinking Agriculture in the Age of Ecology, with Wes Jackson and Donald
	Worster
1983-1992	In Department of Geological Sciences
	The Ecological Context of Human Evolution (mini-course)
	Paleoecology: Reconstruction of Environments and Communities
	Introduction to Geology

# Faunal Analysis (Seminar) Mammals and Climate (Seminar)

INVITED LECTURES, PRESENTATIONS, and WORKING GROUPS

2015	Invited talk, Academy of Nutrition and Dietetics Food & Nutrition Conference and Expo 2015, Nashville, TN; session title, Biodiversity: Achieving an abundance of wholesome foods from healthy ecosystems
	Invited talk, International Biogeography Society, annual meeting, Bayreuth, Germany; symposium title, Paleobiogeography: The importance of fossil data to species biogeography, past, present, and future
2014	Geobiology/Paleobiology seminar, Harvard University, Cambridge, Mass. Department of Ecology and Evolutionary Biology, Brown University, Providence, Rhode Island
	Keynote talk in symposium—Windows into deep time: Dynamics of faunal change in long continental successions, European Association of Vertebrate Paleontologists, 12 <sup>th</sup> annual meeting, Turin, Italy.
	Keynote talk in symposiumThe Cenozoic assembly of the grassland biome: pattern and process in ecosystem evolution, North American Paleontological Convention, University of Florida, Gainesville.
2012	Invited speaker, Great Basin mammal diversity over time (symposium), American Society of Mammalogists annual meeting, Reno, Nevada Department of Geology, University of Oregon, Eugene, Oregon Department of Urban Studies and Planning, Wayne State University, Detroit
2011	Geobiology Program, Dartmouth College, Hanover, New Hampshire Slepecky Lecture, Honors Program, Syracuse University, Syracuse, New York
2010	Department of Biology, University of New Mexico, Albuquerque, New Mexico Program in Interdisciplinary Biological and Biomedical Sciences, University of New Mexico, Albuquerque, New Mexico
	Invited presentation, International Paleontological Congress III, London, UK. Darwin Day Lecture, Ohio University, Athens, Ohio Future of Animal Agriculture (conference), Michigan State University, East Lansing, Michigan
2009	Department of Environmental Sciences, University of Toledo, Toledo, Ohio Metrics for Assessing Global Agriculture (conference), Earth Institute, Columbia University, New York
2008	Earth History and Paleobiology, Harvard University, Cambridge, Massachusetts Organic World Congress. International Federation of Organic Agriculture Movements, Modena, Italy.
2007	Museum of Paleontology, University of California, Berkeley Earth & Planetary Science Department, University of California, Santa Cruz
2006	Future Research Directions in Paleontology, Smithsonian Institution, Washington, D.C.
2005	Environmental Studies Program, Wesleyan University
2004	Environmental Science Program, Southern Methodist University Rural Development Conference, Havana, Cuba
2002	AAAS Annual Meeting, Biodiversity survival in modern habitats (symposium), Boston

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2001	58th Annual Conference of Indiana Soil and Water Conservation Districts, Debate about Genetically Modified Food, Indianapolis, Indiana Human Biology Association, Symposium on "Human dimensions of biodiversity," Kansas City, Missouri National Center for Ecological Analysis and Synthesis, member of working
2000	group on mammalian community structure, Santa Barbara, California Conference on Farming with the Wild (agriculture and conservation), sponsored by Foundation for Deep Ecology, Marin County, California Walking the Talk: Sustainability as an Educational Challenge and a Campus-Wide Responsibility (Conference), Michigan State University
1999	National Center for Ecological Analysis and Synthesis, working group on
1998	mammalian community structure, Santa Barbara, California Environmental Semester Faculty Seminar, University of Michigan Penrose Conference (Geological Society of America), Linking spatial and temporal scales in paleoecology and ecology, Solomon's Island, Maryland The Land Institute, Dodge Fellows workshop, Matfield Green, Kansas National Center for Ecological Analysis and Synthesis, member of working group on mammalian community structure, Santa Barbara, California
1997	Mountain Research Center, Montana State University, Bozeman
1993	Department of Geophysical Sciences & Department of Anatomy, University of Chicago
1992	Illinois State Museum, Springfield, Illinois Department of Geology, University of Minnesota, Minneapolis Department of Geology, Southern Methodist University, Dallas
1991 1989	Biology Department, Loyola University, Chicago Evolutionary Biology, Anthropology, and Earth and Planetary Sciences Seminar, Harvard University, Cambridge, Massachusetts
1988 1987 1986 1985 1984	<ul> <li>Section of Ecology and Genetics, Brown University, Providence, Rhode Island</li> <li>Scholar-in-Residence Program, Millersville University, Millersville, Pennsylvania</li> <li>Scripps Institution of Oceanography, La Jolla, California</li> <li>New York Academy of Sciences, New York City</li> <li>Department of Anatomy, University of Chicago</li> <li>Geology Department, Grand Valley State College, Michigan</li> <li>Zoology Department, University of Wisconsin, Madison</li> <li>Conference on the Paleoenvironment of East Asia from the Mid-Tertiary,</li> <li>University of Hong Kong</li> <li>Department of Geological Sciences, University of Michigan</li> <li>Youth Symposium, AAAS Annual Meeting, Detroit, Michigan</li> <li>Geology Department, Boston University</li> </ul>

## OUTREACH (selected)

2017	Elderwise course, Transforming the Food System, Ann Arbor, Michigan
2016	Science Café, Evolution and deep time, with Stephen Smith, hosted by
	University of Michigan Natural History Museum, Ann Arbor
2015	Food Sleuth radio interview, with Melinda Hemmelgarn,
	http://kopn.org/drupal/archive?u=http://kopn.org/a/showrss4x.php?p=fs
	Feeding the world with sustainable agriculture, Fast Food for Thought,
	University of Michigan, Ann Arbor

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	Feeding a hungry planet, Fox Run Center, Novi, Michigan Mountains and biodiversity, University of Michigan Alumni Association, Machu Picchu to the Galapagos
	Eating our way to a sustainable food system, University Commons, Ann Arbor, Michigan
2014 2013	Feeding a hungry planet, Elderwise class, Ann Arbor, Michigan. Feeding a hungry planet: crisis and opportunity, Mindful Eating Coalition, Unitarian Universalist Church, Ann Arbor, Michigan
	Food, health, sustainability, University of Michigan Retirees Association, Ann Arbor, Michigan
2012	The Future of Food: 2050, Oct. 24, 2012; panel member, forum on the future of food and agriculture organized by the Center for Science in the Public Interest, Washington, DC
	Organizing committee, Community reads program, Five Healthy Towns, Chelsea, Michigan
	How to feed the world, Adult Learners Institute, Chelsea, Michigan Organic agriculture, Science and skeptics club, Ann Arbor, Michigan Waste in the food system, Interview, WEMU (public radio), Ypsilanti,
	Michigan
2011	Food, health, and sustainability, Chelsea Area Garden Club, Chelsea, Michigan
2010	Organic agriculture, Interview, WEMU (public radio), Ypsilanti, Michigan Mass extinction, Science in 15 minutes, University of Michigan Library, Ann Arbor, Michigan
	Out of the Blue Film about my research on organic agriculture, http://www.ootb.tv/episode.php?episode=212∂=1&video=Farm
2009	Healthy food for all, Glacier Hills Retirement Center, Ann Arbor, Michigan The challenges of sustainable agriculture, Michigan Envirothon (program For high school students), Ann Arbor, Michigan
	Development, economics, and agriculture, Adult Learners Institute, Chelsea, Michigan
	Food Unincorporated, Local Table Program, Matthaei Botanical Garden, University of Michigan, Ann Arbor, Michigan
2008	Is a sustainable food system possible?, Pumpkin Festival, Wesleyan University, Middletown, Connecticut
2007-2011	Board member, The Agrarian Adventure (local non-profit sponsoring gardens in K-12 schools and associated educational programs), Ann Arbor, Michigan
2006	Three revolutions in food and agriculture, Ann Arbor Public Library, Ann Arbor, Michigan
2004	Biodiversity symposium, University of Michigan Exhibit Museum
2003	Living lightly (Sustainability workshop), Michigan Friends Center, Chelsea, Michigan
	Paradoxes in the global food system, Learning in Retirement Program, University of Michigan, Ann Arbor, Michigan
2002	The Land Institute, Prairie Festival, Salina, Kansas
2001	Northeast Organic Farming Association, Workshop on agriculture and biodiversity, Randolph, Vermont
2000	Living lightly (Sustainability Workshop), Michigan Friends Center,

# Chelsea, Michigan 1999 Michigan Summit on Hazards of Genetically Engineered Foods, Troy, Michigan

# PUBLICATIONS

Articles and book chapters in peer-reviewed publications

2017	Badgley, C., T.M. Smiley, and R. Cable. Mountains, climate, and mammals (book chapter for <u>Mountains, Climate, and Biodiversity</u> , C. Hoorn and A. Antonelli, eds). Wiley, in press.
	Badgley, C., T.M. Smiley, E.B. Davis, L.R.G. DeSantis, D.L. Fox, S.B. Hopkins, T. Jezkova, M.D. Matocq, N. Matzke, J.L. McGuire, A. Mulch, B.R. Riddle, V.L. Roth, J.X. Samuels, C.A.E.Strömberg, R. Terry, B.J. Yanites. Biodiversity and topographic complexity: modern and geohistorical perspectives. Trends in Ecology and Evolution 32 (3): 211-226.
2016	Domingo, S.M., L. Domingo, J. Abuela, A. Valenciano, C. Badgley, J. Morales. Feeding ecology and habitat preferences of top predators from two Miocene carnivore guilds. Paleobiology 42 (3). doi: 10.1017/pab.2015.50.
2015	Badgley, C., Domingo, S.M., J.C. Barry, M.E. Morgan, L.J. Flynn, and D. Pilbeam. Continental gateways and the dynamics of mammalian faunas. Comptes Rendus Palevol 15: 763-779. http://dx.doi.org/10.1016/j.crpv.2015.09.004
	Smiley, T.M., J.M. Cotton, C. Badgley, and T.E. Cerling. Small-mammal isotope ecology tracks climate and vegetation gradients across western North America. Oikos, doi: 10.1111/oik.02722.
	Badgley, C., T.M. Smiley, and K. Loughney. Miocene mammal diversity of the Mojave region in the context of Great Basin mammal history. Pp. 34-43 in R.E. Reynolds (ed.), Mojave Miocene, The 2015 Desert Symposium Field Guide and Proceedings, California State University Desert Studies Consortium.
	Hyland, E.G., N.D. Sheldon, R. Van der Voo, C. Badgley, and A. Abrajevitch. A new paleoprecipitation proxy based on soil magnetic properties: Implications for expanding paleoclimate reconstruction. Geological Society of America Bulletin. doi: 10.1130/B31207.1.
2014	Badgley, C., T.M. Smiley and J.A. Finarelli. Great Basin mammal diversity in relation to landscape history. Journal of Mammalogy 96(6): 1090-1106.
	Domingo, S.M., C. Badgley, B. Azanza, D. DeMiguel, M.T. Alberdi. Diversification of mammals from the Miocene of Spain. Paleobiology 40(2), 196-220.
2013	Barry, J.C., A.K. Behrensmeyer, C. Badgley, L.J. Flynn, H. Peltonen, I.U.

Cheema, D. Pilbeam, E. Lindsay, S.M. Raza, A.R. Rajpar, M.E. Morgan. The
Neogene Siwaliks of the Potwar Plateau and other regions of Pakistan.
Pp. 373-399. In X. Wang, L.J. Flynn, M. Fortelius (eds.), Neogene Terrestrial
Mammalian Biostratigraphy and Chronology of Asia. Columbia University
Press.

Flynn, L.J., E.H. Lindsay, D. Pilbeam, S.M. Raza, M.E. Morgan, J.C. Barry, C. Badgley, A.K. Behrensmeyer, I.U. Cheema, A.R. Rajpar, and N.D. Opdyke. The Siwaliks and Neogene evolutionary biology in South Asia. Pp. 353-372. In X. Wang, L.J. Flynn, M. Fortelius (eds.), <u>Neogene Terrestrial Mammalian</u> <u>Biostratigraphy and Chronology of Asia</u>. Columbia University Press.

Badgley, C. and J.A. Finarelli. Diversity dynamics of mammals in relation to tectonic and climatic history: Comparison of three Neogene records from North America. Paleobiology 39(3): 373-399.

Badgley, C. Modern biodiversity crisis. Pp. 617-634. In MacLeod, N. (ed.), Grzimek's Animal Life Encyclopedia, Extinction (2 vols). Gale.

Domingo, M.S., L. Domingo, C. Badgley, O. Sanisidro, and J. Morales. Resource partitioning among top predators in a Miocene food web. Proceedings of the Royal Society B 280: 20122138. doi:10.1098/rsbp.2012.2138.

- 2012 Mates, S.G., I. Perfecto, and C. Badgley. Parasitoid wasp diversity in apple orchards along a pest-management gradient. Agriculture, Ecosystems and Environment 156: 82-88.
- 2011 Rose, P.J., D.L. Fox, J. Marcot, and C. Badgley. Flat mammalian latitudinal diversity gradient following the end-Cretaceous mass extinction in western North America. Geology 39: 163-166.
- 2010 Finarelli, J.A. and C. Badgley. Diversity dynamics of Miocene mammals in relation to the history of tectonism and climate. Proceedings of the Royal Society B 277: 2721-2726.

Badgley, C. Tectonics, topography, and mammalian diversity. Ecography 33: 220-231.

Smith, G.R., C. Badgley, T.P. Eiting, and P. Larson. Geologic history and species diversity gradients in North American freshwater fishes. Evolutionary Ecology Research 12: 693-726.

2009 Bennington, J.B., W.A. DiMichele, C. Badgley, R.K. Bambach, P.M. Barrett, A.K. Behrensmeyer, and 26 others. Critical issues of scale in paleoecology. Palaios 24: 1-4.

Morgan, M.E., A.K. Behrensmeyer, C. Badgley, J.C. Barry, S. Nelson, and D.R. Pilbeam. Lateral variation in carbon isotope ratios as evidence for

Mar 2017	Badgley CV, p. 11
	Miocene habitat gradients in the Siwalik sequence of Pakistan. Geology 37: 103-106.
	Qian, H., C. Badgley, and D.L. Fox. The latitudinal gradient of beta diversity for mammals in North America. Global Ecology and Biogeography 18: 111-122.
2008	Badgley, C., J.C. Barry, M.E. Morgan, S.V. Nelson, A.K. Behrensmeyer, T.E. Cerling, and D. Pilbeam. Ecological changes in Miocene mammalian record show impact of prolonged climatic forcing. Proceedings of the U.S. National Academy of Sciences 105 (34): 12145-12149. (Selected for Faculty of 1000 Biology, October 2008)
2007	Badgley, C., J. Moghtader, E. Quintero, E. Zakem, M.J. Chappell, K. Aviles- Vazquez, A. Samulon, and I. Perfecto. Organic agriculture and the global food supply. Renewable Agriculture and Food Systems 22(2): 86-108.
	Blob, R.W. and C. Badgley. Numerical methods for bonebed analysis. Pp. 333-396. In R. Rogers, D. Eberth, and A. Fiorillo, eds., <u>Bonebeds:</u> <u>Genesis, Analysis, and Paleobiological Significance</u> . University of Chicago Press, Chicago.
2005	Nelson, S., C. Badgley, and E. Zakem. 2005. Microwear in modern squirrels in relation to diet. Palaeontologia Electronica vol. 8 (1) 14A: 15 p, 401 KB; <u>http://palaeo-electronica.org/2005_1/nelson14/issue1_05.htm.</u>
	Badgley, C., S.V. Nelson, J.C. Barry, A.K. Behrensmeyer, and T.E. Cerling. Testing models of faunal turnover with Neogene mammals from Pakistan. Pp. 29-46. In D.E. Lieberman, R.J. Smith, and J. Kelley, eds., Interpreting the Past: Essays on Human, Primate, and Mammal Evolution in Honor of David Pilbeam. American School of Prehistoric Research Monographs. Brill Academic Publishers, Inc., Boston.
	Behrensmeyer, A.K., C. Badgley, J.C. Barry, M. Morgan, and S.M. Raza. The paleoenvironmental context of Siwalik Miocene vertebrate localities. Pp. 47-62. In D.E. Lieberman, R.J. Smith, and J. Kelley, eds., Interpreting the Past: Essays on Human, Primate, and Mammal Evolution in Honor of David Pilbeam. American School of Prehistoric Research Monographs. Brill Academic Publishers, Inc., Boston.
2003	Badgley, C. The multiple scales of biological diversity. Paleobiology 29: 11-13.
	Badgley, C. The farmer as conservationist. American Journal of Alternative Agriculture 18: 206-212.
2002	Barry, J.C., M.E. Morgan, L.J. Flynn, D. Pilbeam, A.K. Behrensmeyer, S.M. Raza, I.A. Khan, C. Badgley, J. Hicks, and J. Kelley. Faunal and environmental change in the Late Miocene Siwaliks of northern Pakistan.

Mar 2017	Badgley CV, p. 12
	Paleobiology Memoir 3: p. 1-71.
2001	Little, M., C. Badgley, C. Beall, M. Balick, L. Munstermann, K. Weiss, T. Bert, and B. Chernoff. 2001. A framework for a program on the human dimensions of biodiversity. Biology International 42: 3-15.
2000	Badgley, C. and D. Fox. Ecological biogeography of North American mammals: Species density and ecological structure in relation to environmental gradients. Journal of Biogeography 27(6): 1437-1468.
1998	Badgley, C. Can agriculture and biodiversity coexist? Wild Earth, 8 (Fall): 39-47.
	Badgley, C., W.R. Downs, III, and L.J. Flynn. Taphonomy of small-mammal fossil assemblages from the Middle Miocene Chinji Formation, Siwalik Group, Pakistan. Pp. 145-166 In Y. Tomida, L.J. Flynn, L.L. Jacobs, eds., <u>Advances in Vertebrate Paleontology and Geochronology</u> , National Science Museum of Japan Monographs, No. 14, Tokyo, Japan.
1995	Badgley, C. and A.K. Behrensmeyer. Preservational, paleoecological, and evolutionary patterns in the Paleogene of Wyoming-Montana and the Neogene of Pakistan. Paleogeography, Paleoclimatology, Paleoecology 115: 319-340.
	Badgley, C. and A.K. Behrensmeyer. Two long geological records of continental ecosystems. Paleogeography, Paleoclimatology, Paleoecology 115: 1-11.
	Badgley, C., W.S. Bartels, M.E. Morgan, A.K. Behrensmeyer, and S.M. Raza. Taphonomy of vertebrate assemblages from the Paleogene of northwest Wyoming and the Neogene of northern Pakistan. Paleogeography, Paleoclimatology, Paleoecology 115: 157-180.
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