

Curriculum Vitae

JACOB BENDIX

Department of Geography and the Environment, Maxwell School of Citizenship and Public Affairs

Syracuse University, 144 Eggers Hall, Syracuse, NY 13244-1020

Web: https://www.maxwell.syr.edu/geo/Bendix,_Jacob/

Twitter: @JacobBendix

Phone: (315) 443-3819 (Office), (315) 391-9918 (Cell)

E-mail: jbendix@syr.edu

EDUCATION

1992 Ph.D., Geography, University of Georgia. Dissertation title: "Scale-Related Influences on Southern Californian Riparian Vegetation." (Doctoral advisor: Dr. Albert J. Parker)

1986 M.S., Geography, University of Wisconsin-Madison. Thesis Title: "The Fluvial Environment of Bear Creek: A Study of Holocene, Historical and Contemporary Processes in a Southwest Utah Valley." (Masters advisor: Dr. James C. Knox)

1980 B.A., Geography, University of California, Berkeley. (Honors project advisor: Dr. Theodore M. Oberlander)

RESEARCH INTERESTS

Plant Biogeography, Biogeomorphology, Fluvial Geomorphology, Riparian Ecology, Fire Ecology, Human Impacts on Vegetation and Landforms, Media Coverage of Environmental Issues.

TEACHING AREAS

Biogeography, Geomorphology, Pyrogeography, Physical Geography.

EXPERIENCE

1994-present Assistant Professor to Professor of Geography (with tenure), Syracuse University.

2007-2019 Adjunct Associate Professor of Environmental and Forest Biology, SUNY College of Environmental Science and Forestry.

2011-12 Visiting Associate Professor, Faculty of Science and Technology, and Visiting Research Fellow, Faculty of Social Sciences and Humanities, University of Macau.

2005-09 Graduate Director and Associate Chair of Geography, Syracuse University.

1994-present Senior Research Associate in the Center for Environmental Policy and Administration, Syracuse University.

1992-94 Temporary Assistant Professor of Geography, University of Georgia.

1992-94	Faculty Affiliate, Institute of Ecology, University of Georgia.
1989-92	Graduate Research Assistant, Geography, University of Georgia.
1987	Lecturer in Geography, California State University, Sacramento.
1986-87	Lecturer in Geography, University of Wisconsin-Oshkosh.
1985	Research Associate, Great Lakes Archaeological Research Center, Inc., Wauwatosa.
1982-85	Graduate Teaching Assistant, Geography, University of Wisconsin-Madison.
1980	U.S. Forest Service Forestry Technician (Firefighter), Shasta-Trinity National Forest.

ACADEMIC PUBLICATIONS

2022 **Bendix, J.** and Urban, M.A.. Nothing new under the sun? George Perkins Marsh and roots of US physical geography. In: David R. Butler (Editor), *The Anthropocene*. New York: Routledge (Reprinted from Bendix and Urban 2021 in *Annals of the AAG*).

2021 Martin, D.J., Pavlowsky, R.T., **Bendix, J.**, Dogwiler, T. and Hess, J., 2021. Impacts of an extreme flood on large wood recruitment and transport processes. *Physical Geography*, pp.1-29. <https://doi.org/10.1080/02723646.2021.1980958>.

2021 **Bendix, J.** and Urban, M.A. Nothing new under the sun? George Perkins Marsh and roots of US physical geography. *Annals of the American Association of Geographers*, 111(3):709-716. <https://doi.org/10.1080/24694452.2020.1761769>.

2018 **Bendix, J.** and Hartnett, J.J. Asynchronous lightning and Santa Ana winds highlight human role in southern California fire regimes. *Environmental Research Letters*, 13: 074024. <https://doi.org/10.1088/1748-9326/aace39>.

2018 Stella, J.C. and **Bendix, J.** Multiple stressors in riparian ecosystems, In S. Sabater, A. Elosegi, and R. Ludwig (Editors). *Multiple stressors in river ecosystems: Status, impacts and prospects for the future*, pp. 81-110. Cambridge, MA: Academic Press.

2017 **Bendix, J.** and Commons, M.G. Distribution and frequency of wildfire in California riparian ecosystems. *Environmental Research Letters*, 12: 075008. doi.org/10.1088/1748-9326/aa7087.

2017 **Bendix, J.**, Wiley Jr., J.J. and Commons, M.G. Intermediate disturbance and patterns of species richness. *Physical Geography*, 38(5):393-403.

2017 **Bendix, J.** Riparian ecosystems. In: Douglas Richardson (Editor-in-chief), Malanson, G.P. (Section Editor), *The International Encyclopedia of Geography: People, the Earth, Environment, and Technology*. Wiley-AAG. DOI: 10.1002/9781118786352.wbieg0731

2016 **Bendix, J.** Clay (a poem). *GeoHumanities*, 2(1):276-277.

2014 **Bendix, J.** and Vale, T.R. Placing the river in context: James C. Knox, fluvial geomorphology, and physical geography. *Geography Compass*, 8(5):325-335.

2013 **Bendix, J.** and Cowell, C.M. Disturbance and riparian tree establishment in the Sespe Wilderness, California, USA. *Physical Geography*, 34(2):149-158.

2013 **Bendix J.** and Stella J.C. Riparian Vegetation and the Fluvial Environment: A Biogeographic Perspective. In: John F. Shroder (Editor-in-chief), Butler, D.R., and Hupp, C.R. (Volume Editors). *Treatise on Geomorphology*, Vol 12, Ecogeomorphology, pp. 53-74. San Diego: Academic Press.

2013 Stella, J.C., Rodríguez-González, P., Dufour, S. and **Bendix, J.** Physical controls on riparian vegetation in mediterranean-climate regions. *Hydrobiologia*, 719:291-315.

2010 **Bendix, J.** and Cowell, C.M. Fire, floods and woody debris: Interactions between biotic and geomorphic processes. *Geomorphology*, 116(3-4):297-304.

2010 **Bendix, J.** and Cowell, C.M. Impacts of wildfire on the composition and structure of riparian forests in Southern California. *Ecosystems*, 13(1):99-107.

2007 **Bendix, J.** John Wesley Powell. In: David Buisseret (Editor-in-chief). *The Oxford Companion to World Exploration*, Vol 2, pp. 173-175. New York: Oxford University Press.

2002 **Bendix, J.** Pre-European fire in California chaparral. In: Thomas R. Vale (Editor), *Fire, Native Peoples, and the Natural Landscape*, pp. 269-293. Washington, D.C.: Island Press.

2000 **Bendix, J.** and Hupp, C.R. Hydrological and geomorphological impacts on riparian plant communities. *Hydrological Processes*, 14(16-17): 2977-2990.

1999 **Bendix, J.** Stream power influence on southern Californian riparian vegetation. *Journal of Vegetation Science*, 10(2):243-252.

1999 **Bendix, J.** and Liebler, C. M. Place, distance, and environmental news: Geographic variation in newspaper coverage of the spotted owl conflict. *Annals of the Association of American Geographers*, 89(4):658-676.

1998 **Bendix, J.** Impact of a flood on southern Californian riparian vegetation. *Physical Geography*, 19(2): 162-174.

1997 **Bendix, J.** Flood disturbance and the distribution of riparian species diversity. *Geographical Review*, 87(4): 468-483.

1996 Parker, K.C. and **Bendix, J.** Landscape-scale geomorphic influences on vegetation patterns in four environments. *Physical Geography*, 17(2):113-141.

1996 Liebler, C.M. and **Bendix, J.** Old-growth forests on network news: News sources and the framing of an environmental controversy. *Journalism and Mass Communication Quarterly*, 73(1):53-65.

1994 **Bendix, J.** Scale, direction and pattern in riparian vegetation-environment relationships. *Annals of the Association of American Geographers*, 84(4):654-667.

1994 **Bendix, J.** Among-site variation in riparian vegetation of the Southern California Transverse Ranges. *American Midland Naturalist*, 132:136-151.

1993 Liebler, C.M. and **Bendix, J.** The role of geography courses in mass communication education. *Journalism Educator*, 47(4): 33-39.

1992 **Bendix, J.** Fluvial adjustments on varied timescales in Bear Creek Arroyo, Utah, U.S.A. *Zeitschrift für Geomorphologie*, 36(2): 141-163.

1991 **Bendix, J.** and Liebler, C.M. Environmental degradation in Brazilian Amazonia: perspectives in U.S. news media. *The Professional Geographer*, 43(4): 474-485.

MANUSCRIPTS IN PROCESS

In Press Hostens, D.S., Dogwiler, T., Hess, J.W., Pavlowsky, R.T., **Bendix, J.**, and Martin, D.T. Assessing the role of sUAS mission design in the accuracy of digital surface models derived from structure-from-motion photogrammetry. In: Kory Konsoer, Michael Leitner, and Quinn Lewis (Editors), *sUAS Applications in Geography*. Geotechnologies and the Environment. Springer Nature.

In Review Urban, M., **Bendix, J.**, and Shepherd, J.M. Forging new paths: increasing racial and ethnic diversity in physical geography. Submitted to the *Annals of the American Association of Geographers*.

In Progress **Bendix, J.**, Pavlowsky, R.T., Martin, D.J. and Dogwiler, T. Ecological impacts and implications of an extreme flood in the Missouri Ozarks. In preparation for submission to the *Annals of the American Association of Geographers*.

PUBLIC ENGAGEMENT

2021 Interviewed on NBCLX's *LX News* about the impact of climate change on wildfire (7/13/2021).

2021 Interviewed on CBS radio news station KNX/Los Angeles about wildfire and climate in California (7/12/2021).

2021 Multiple interviews as a news source on wildfires and climate change resulted in my being quoted in articles that appeared in 50 news outlets including *The Los Angeles Times*, *Yahoo News*, *Forbes.com*, *Sacramento Bee*, etc.

2020 **Bendix, J.** "Western wildfires — there is no 'silver bullet,' but there are things to be done." Op/Ed published in *The Hill* (online at <https://thehill.com/opinion/energy-environment/519970-western-wildfires-there-is-no-silver-bullet-but-there-are-things>).

2020 Multiple interviews as a news source on wildfires and climate change resulted in my being quoted in articles that appeared in 365 news outlets including *The Washington Post*, *Yahoo News*, *USA Today*, *Associated Press*, *Bloomberg*, *Insider*, *US News & World Report*, *SFGate*, *Smithsonian*, *KTLA 5*, etc.

2020 Interviewed live on the Weather Channel regarding wildfires and climate change (9/11/2020).

2008 **Bendix, J.** “The dream of becoming president? It's not for everyone.” Op/Ed published by the *Syracuse Post-Standard* (online at <http://tinyurl.com/jkbk9hl>).

2001 **Bendix, J.** and Medler, M.J. “Don't Let Fire Fallacies Guide Forest Policy.” Op/Ed published by the *Knight-Ridder/Tribune News Service* (online at <http://tinyurl.com/hnaqkab>).

BOOK REVIEW

1994 G.P. Malanson, *Riparian Landscapes*, Cambridge: Cambridge University Press, 1993. In: *Geomorphology*, 11: 172-173.

INVITED RESEARCH PRESENTATIONS

2019 “Fire and floods in Southern California: Integrating biotic and geomorphic processes in riparian environments.” Invited colloquium lecture in the Department of Geography, University of Missouri, Columbia, MO.

2017 “Feedbacks, Timing, and Biogeomorphic Response to Riparian Disturbance.” Invited poster presentation at the 48th Annual ‘Binghamton’ Geomorphology Symposium, San Marcos, TX.

2017 “Fire, Floods, and Woody Debris: Interactions in Southern California watersheds.” Invited “Tea Talk” in the Department of Geography, University of Oregon, Eugene, OR.

2016 “Fire, Floods, and Woody Debris: Complex Interactions in Watersheds.” Invited colloquium lecture in the Department of Geography, Geology and Planning, Missouri State University, Springfield, MO.

2015 “Fire at the Biogeomorphic Interface: Complex Interactions in Watersheds.” Invited lecture in the Hydrology and Biogeochemistry Seminar Series, SUNY College of Environmental Science and Forestry, Syracuse, NY.

2014 “Fire, Floods and Woody Debris: Environmental Interactions in Southern California Watersheds.” Invited Earth and Environmental Sciences colloquium lecture at Wesleyan University, Middletown, CT.

2012 “Fire at the Biogeomorphic Interface: Complex Interactions in Watersheds.” Invited presentation at the National Academies’ National Research Council meeting on “National Wildfire Resilience,” Washington, DC.

2009 “Fire, Floods and Woody Debris: Interactions Between Biotic and Geomorphic Processes” (with C.M. Cowell). Invited featured speaker presentation at the 40th Annual ‘Binghamton’ Geomorphology Symposium, Blacksburg, VA.

2009 “Interaction of Ecology and Geomorphology in Riparian Settings.” Guest lecture to the class Watershed Ecology and Management (FOR 442/642) at SUNY College of Environmental Science and Forestry, Syracuse, NY.

2004 “Seeking Causality Amid Riparian Complexity: A Confluence of Geomorphology and Biogeography.” Invited Earth Sciences colloquium lecture at Syracuse University.

2002 "Mediating the Western Environment: Reflections on News Coverage of the Spotted Owl Conflict." Invited presentation at the conference *Dateline: the West*, at the Andrus Center for Public Policy, Boise, ID.

2002 "Causality and Complexity in Riparian Plant Communities." Invited presentation at the workshop *Réponses biologiques à la contrainte hydraulique* (Biological responses to hydraulic constraint), sponsored by the Centre National de la Recherche Scientifique at Université Claude Bernard Lyon 1, Lyon, France.

2002 "Hydrogeomorphic Influences on Riparian Vegetation" (with C.R. Hupp). Invited panel presentation at the annual meeting of the American Institute of Hydrology, Portland, OR.

2001 "Pre-European Anthropogenic Fire in California's Chaparral: An Ecological Appraisal." Invited panel presentation at the annual meeting of the American Association for the Advancement of Science, San Francisco, CA.

2000 "Images of the West." Invited panel presentation at the annual meeting of the Association for Education in Journalism and Mass Communication, Phoenix, AZ.

1999 "Floods and Biodiversity." Invited Environmental Studies colloquium lecture at Alfred University, Alfred, NY.

1997 "Floods and Biodiversity: Disturbance and the Distribution of Riparian Species Diversity." Invited Geography colloquium lecture at Queens University, Kingston, ON.

1997 "Disturbance and Diversity in Two Southern California Watersheds." Invited Geography colloquium lecture at the University at Buffalo, Buffalo, NY.

1995 "Old-Growth Forests in the News" (with C.M. Liebler). Invited panel presentation at the annual meeting of the American Association for the Advancement of Science, Atlanta, GA.

1988 "Factors of Erosion and Deposition in the Arid West." Invited lecture to the Geological Society of the Oregon Country, Portland, OR.

1985 "The Distribution of Post-Settlement Alluvium on the Iowa River Floodplain at Coralville Reservoir." Invited Geoarchaeology Symposium presentation at the Plains Anthropological Conference, Iowa City, IA.

CONTRIBUTED RESEARCH PRESENTATIONS

2019 "Ecological Impacts of an Extreme Flood: Implications for Changing Disturbance Regimes" (with R.T. Pavlowsky, D.J. Martin, and T. Dogwiler). Paper presented at the Fall meeting of the American Geophysical Union, San Francisco, CA.

2019 "Nothing New Under the Sun? George Perkins Marsh and Roots of American Physical Geography" (with M.A. Urban). Presented at the annual meeting of the American Association of Geographers, Washington, DC.

2019 "Impacts of a Large Flood (~1,000 yr RI) on Woody Debris Loads in the North Fork River Basin, Missouri, USA" (with D.J. Martin, R.T. Pavlowsky, and T. Dogwiler). Presented at

the annual meeting of the Southeastern Division of the American Association of Geographers (peer reviewed), Wilmington, NC.

2018 “Impact of an Extreme Flood on Riparian Forests in the Missouri Ozarks” (with R.T. Pavlovsky, D.J. Martin, and T. Dogwiler). Presented at the annual meeting of the American Association of Geographers, New Orleans, LA.

2017 “Santa Ana Winds and Lightning: the Role of Timing in Southern California Wildfires” (with J.J. Hartnett). Presented at the annual meeting of the American Association of Geographers, Boston, MA.

2016 “Asynchronous Timing of Lightning Strikes and Santa Ana Winds in Southern California” (With J.J. Hartnett). Poster presented at the Fall meeting of the American Geophysical Union, San Francisco, CA.

2016 “Impacts of Santa Ana Winds on Wildfire in Southern California.” Presented at the annual meeting of the American Association of Geographers, San Francisco, CA.

2015 “Santa Ana Winds and Fire Regimes of Southern California National Forests.” Poster presented at the Fall meeting of the American Geophysical Union, San Francisco, CA.

2015 “Day of the Week as a Factor in Wildfire Ignition” (With M.G. Commons). Presented at the annual meeting of the Association of American Geographers, Chicago, IL.

2014 “No Fire Days of Rest: Relating California Wildfire Ignitions to Days of the Week” (With M.G. Commons). Poster presented at the Fall meeting of the American Geophysical Union, San Francisco, CA.

2014 “Geographic Variability of Riparian Wildfire in California” (With M.G. Commons). Presented at the annual meeting of the Association of American Geographers, Tampa, FL.

2013 “Distribution and Frequency of Riparian Fire in California” (with M.G. Commons). Presented at the Fall meeting of the American Geophysical Union, San Francisco, CA.

2013 “A Model of Fire History’s Impact on Changing Patterns of Biodiversity” (with J.J. Wiley Jr. and M.G. Commons). Presented at the annual meeting of the Association of American Geographers, Los Angeles, CA.

2012 “Disturbance History, Spatial Variability, and Patterns of Biodiversity” (with J.J. Wiley Jr. and M.G. Commons). Presented at the Fall meeting of the American Geophysical Union, San Francisco, CA.

2011 “Disturbance and Regeneration in Riparian Forests of Southern California” (with C.M. Cowell). Presented at the annual meeting of the Association of American Geographers, Seattle, WA.

2010 “Disturbance and California Riparian Tree Establishment” (with C.M. Cowell). Presented (poster) at the Fall meeting of the American Geophysical Union, San Francisco, CA.

2010 “A Geographic Analysis of Riparian Biogeomorphology” (with J. Stella). Presented at the annual meeting of the Association of American Geographers, Washington, D.C.

2009 "Determination of Beaver Distribution in 19th Century Maine From Land Survey Records" (with L.J. Mitchener). Presented at the annual meeting of the Association of American Geographers, Las Vegas, NV.

2007 "Relative Prominence of Successional Theorists in Fifty Years of Journal Citations" (with K.C. Bowman, A.L. Lumsden and J.G. Puckett). Presented at the annual meeting of the Association of American Geographers, San Francisco, CA.

2006 "Hydrogeomorphic Impacts on the Response to Wildfire in a Riparian Gallery Forest" (with C.M. Cowell). Presented at the annual meeting of the Association of American Geographers, Chicago, IL.

2005 "Interaction of Ecological and Fluvial Processes in the Supply of Large Woody Debris to Stream Channels" (with C.M. Cowell). Presented (poster) at the 36th International 'Binghamton' Geomorphology Symposium, Buffalo, NY.

2004 "Geography of Pre-Suppression Forest Fires in the Western United States" (with P. Yurkosky, M.R. Schramm, M, McDaniel, M.A. Stott, and B.E. McNeil). Presented at the annual meeting of the Association of American Geographers, Philadelphia, PA.

2001 "Use of GIS to Analyze Wildfire Shape" (with J. Read). Presented (poster) at the annual meeting of the Association of American Geographers, New York, NY.

2000 "An Ecological Assessment of Pre-European Anthropogenic Fire in California's Chaparral." Presented at the annual meeting of the Association of American Geographers, Pittsburgh, PA.

1999 "The Scale of 'Intermediate' Disturbance and Vegetation Diversity." Presented (poster) at the annual meeting of the Association of American Geographers, Honolulu, HI.

1998 "Western Themes in American Biogeography" (with L.J. Standley). Presented at the annual meeting of the Association of American Geographers, Boston, MA.

1997 "Impact of Debris Dams on Riparian Vegetation Colonization and Dynamics." Presented at the annual meeting of the Association of American Geographers, Ft. Worth, TX.

1997 "How Distant the Forest? Proximity, Environmental Controversy and Source Status Conferral." (with C.M. Liebler). Presented at the annual meeting of the Association for Education in Journalism and Mass Communication (peer reviewed), Chicago, IL.

1996 "The Framing of Forest Policy in U.S. Newspapers" (with C.M. Liebler). Presented at the International Ecological Congress, Voronezh, Russia.

1996 "Disturbance and the Distribution of Riparian Species Richness and Diversity." Presented at the annual meeting of the Association of American Geographers, Charlotte, NC.

1995 "Spatial Variation in Press Coverage of the Spotted Owl Issue" (with C.M. Liebler). Presented at the annual meeting of the Association of American Geographers, Chicago, IL.

1994 "Riparian Vegetation Change in the Aftermath of a Large Flood." Presented at the annual meeting of the Association of American Geographers, San Francisco, CA.

1994 “Old-Growth Forests on the Evening News: News Sources and the Framing of Environmental Controversy” (with C.M. Liebler). Presented to the “Media and the Environment” conference (peer reviewed), Reno, NV.

1993 “A Non-Hierarchical Scale Comparison of Riparian Vegetation-Environment Relationships.” Presented at the annual meeting of the Association of American Geographers, Nystrom Award Finalist Session, Atlanta, GA.

1993 “Geomorphic Influences on Vegetation Patterns: A Conceptual Model” (with K.C. Parker). Presented at the annual meeting of the Southeastern Division of the Association of American Geographers (peer reviewed), Greensboro, NC.

1992 “Stream Power Influence on Riparian Vegetation.” Presented at the annual meeting of the Association of American Geographers, San Diego, CA.

1991 “Factors Influencing Riparian Species Distribution.” Presented at the annual meeting of the Association of American Geographers, Miami, FL.

1990 “Ideology and the Environment: U.S. Media and Deforestation in Brazilian Amazonia” (with C.M. Liebler). Presented at the annual meeting of the Association for Education in Journalism and Mass Communication (peer reviewed), Minneapolis, MN.

1987 “Causes of Arroyo Incision in a Southwest Utah Valley.” Presented at the annual meeting of the Association of American Geographers, Portland, OR.

1986 “Late Holocene Paleosols in a Southwest Utah Valley.” Presented at the annual meeting of the Association of American Geographers, Minneapolis, MN.

1984 “Using the Profile Summation Method to Date Soils: An Example from Southern New Mexico.” Presented at the annual meeting of the Association of American Geographers, Washington, DC.

CONFERENCE SESSION ORGANIZATION & PANEL PARTICIPATION

2021 Participated in panel “Increasing Diversity, Equity and Inclusion in Biogeography” at the annual meeting of the Association of American Geographers (online via Zoom).

2017 Co-Organized panel on “Publication and Peer Review in Physical Geography” at the annual meeting of the Association of American Geographers, Boston, MA.

2010 Co-Convened session on “Non-equilibrium Drivers in Mediterranean Climate River and Riparian Ecosystems” at the Fall meeting of the American Geophysical Union, San Francisco, CA.

2008 Participated in panel “Career Options: Succeeding as a Biogeographer” at the annual meeting of the Association of American Geographers, Boston, MA.

2007 Chaired panels on “Preparing for the Academic Job Market” and “Negotiating the Tenure Process” at Syracuse University FPP/PFF Minnowbrook Conference, Blue Mountain Lake, NY.

2006 Participated in panel “Creatively Managing Student Attitudes” at Syracuse University FPP/PFF Minnowbrook Conference, Blue Mountain Lake, NY.

2002 Participated in panel on “Content and Credibility” with Walter Dean (Project for Excellence in Journalism) and Conrad Smith (University of Wyoming) at the conference *Dateline: the West*, at the Andrus Center for Public Policy, Boise, ID.

1998 Organized session on “The West in American Geography” at the annual meeting of the Association of American Geographers, Boston, MA.

HONORS AND RESEARCH GRANTS

2019 Collaboration for Unprecedented Success and Excellence (CUSE) Grant, Syracuse University (\$20,000 for “How will New York State forests respond to environmental change in the 21st century? Establishing a statewide monitoring network of tree health,” PIs were Jason Fridley and John Stella, I was one of eight co-PIs).

2019 McIntire-Stennis Cooperative Forestry Research Program, SUNY College of Environmental Science and Forestry (\$30,000 for “How will New York State forests respond to environmental change in the 21st century? Establishing a statewide monitoring network of tree health,” PIs were John Stella and Jason Fridley, I was one of eight co-PIs).

2017 National Science Foundation Rapid Response Grant (\$40,000 for “Impacts of an extreme flood on riparian forests and large woody debris in the Ozark Highlands,” with PI Robert T. Pavlowsky and co-PIs Derek J. Martin and Toby J. Dogwiler).

2017 College of Engineering and Computer Science and Office of Research Grant, Syracuse University (\$35,322 for “Environmental Monitoring and Geoscience Surveying Applications for sUAS at Syracuse University,” with multiple faculty from the Department of Geography, Department of Earth Sciences, and the LC Smith School of Engineering).

2016 National Science Foundation Doctoral Dissertation Research (for Emily Bukowski; \$12,934 for “A Historical Biogeography of Dutch Elm Disease”).

2016 Society of Women Geographers Evelyn L. Pruitt National Fellowship for Dissertation Research (for Emily Bukowski; \$10,215 for “A Historical Biogeography of Dutch Elm Disease”).

2014 Maxwell School Summer Project Assistantship (\$1800 for “Geographic variation in the impacts of California riparian wildfire”)

2010 Appleby-Mosher Fund Research Grant (\$1,200 for “Research Reconnaissance in the Longchuan River Basin, Yunnan, China”).

2007 Maxwell School Summer Project Assistantship (\$1500 for “Environmental Change, Disturbance, and Riparian Habitat Dynamics in Southern California Chaparral”).

2007 Society of Women Geographers Evelyn L. Pruitt National Minority Fellowship (for Anna Lumsden; \$4,000 for “The Relationship between Vegetation and Fire in the Subarctic Forest-Tundra of Northwestern Canada”).

2003 Geography Department PreProposal Grant (\$2,500 for “Response of Riparian Vegetation to Multiple Disturbance Agents”).

2003 Appleby-Mosher Fund Research Grant (\$750 for “Pilot Study: Fire, Floods and Ecological Change in California Riparian Environments”).

2001 National Science Foundation Doctoral Dissertation Research (for Kim C. Diver; \$10,000 for “Biogeography of Island Flora in the Georgian Bay, Lake Huron, Ontario”).

1995 Appleby-Mosher Fund Research Grant (\$925 for “Spatial and Temporal Aspects of Newspaper Coverage of the Spotted Owl Issue,” with co-PI C. M. Liebler).

1994 J. Hatten Howard III Honors Teaching Award, University of Georgia.

1994 Outstanding Doctoral Dissertation Award, University of Georgia Chapter, Sigma Xi.

1994 Member, Sigma Xi.

1993 Finalist, Association of American Geographers J. Warren Nystrom Dissertation Award Competition.

1993 Research Expense Reimbursement, U.S. Forest Service (~\$500 for “Flood Impacts on Riparian Vegetation”).

1990 Research Expense Reimbursement, U.S. Forest Service (~\$400 for “Riparian Vegetation Study in the Los Padres National Forest”).

1990 Sigma Xi Grant-in-Aid of Research (\$450.00 for “Physiographic and Anthropogenic Controls on Riparian Vegetation in the California Coast Ranges”).

1989-1991 Graduate School Research Assistantships, University of Georgia.

1987 Associate Member, Sigma Xi.

1981 Whitbeck Fellowship, University of Wisconsin, Madison.

1980 Departmental Honors in Geography, University of California, Berkeley.

GRADUATE STUDENTS

Advisor:

Michael Commons	Ph.D.	In Progress
Emily Bukowski	Ph.D.	2021
Amanda Jacobs	M.A.	In Progress
Emily Bukowski	M.A.	2014
Anna Lumsden	M.A./Ph.D.	(withdrew from program for personal reasons)
Kim Diver	Ph.D.	2004
Peter Yurkosky	M.A.	2004
Juliet Lauber	M.A.	1998
Kim Diver	M.A.	1998

Advisory or Examining Committee Member:

Xiwei Guo	Ph.D.	In progress
Helen Sanders	M.S.	In progress (SUNY-ESF)
Dakota Bailey	M.A.	2021
Justin Hartnett	Ph.D.	2019
David Kelley	M.A.	2018
Li Kui	Ph.D.	2015 (SUNY-ESF)
Yi Yu	M.A.	2014
Anthony Cummings	Ph.D.	2013
Keith Bowman	Ph.D.	2013 (SUNY-ESF)
Michelle Thorne	Ph.D.	2010 (Biology)
Lucy Kammer	M.A.	2010
Anna Harrison	M.A.	2010 (SUNY-ESF)
Brenden McNeil	Ph.D.	2006
Chelsea Teale	M.A.	2006
Yan Dong	Ph.D.	2005 (Biology)
Buffy Quinn	Ph.D.	(withdrew from program for personal reasons)
Mauri Stott	M.A.	2003
Marcy Balunas	M.S.	2003 (SUNY-ESF)
Ellen Daniels	M.A.	2001
Alberto Giordano	Ph.D.	1999
Karen Nargie	M.A.	1997 (SUNY ESF)
Shuan Huston	Ph.D.	1996
David Bloom	M.A.	1996
Shawn Shamlou	M.A.	1995

HONORS THESIS ADVISEES

Amanda Jacobs	2020
Alaina Mallette	2013
Lori Jean Standley	1998
Jeremy McDiarmid	1997

FUTURE PROFESSORIATE PROJECT FACULTY MENTOR

Emily Billo	2007, 2008
Nancy Hiemstra	2007, 2008
Anna Lumsden	2007, 2008
David Call	2004, 2005
Kim Diver	1999, 2000
Lynn Dole	1995

COURSES TAUGHT

Syracuse University:

- “The Natural Environment” (GEO 155). Offered every semester; enrollment 100-280 (average 140).
- “The Natural Environment: Honors” (GEO 155H). Offered every 1-2 years; enrollment 15-20.
- “Field Methods in Geography” (GEO 300). Offered once; enrollment ~10.
- “Science, Society and Environmental Conflict” (GEO 300/315). Offered 3 times; enrollment 15-20.
- “River Environments” (GEO 316). Offered four times; enrollment 25-35.
- “Pyrogeography” (GEO 400/600). Offered four times, enrollment 6-17.
- “Research in Physical Geography” (GEO 550). Offered occasionally to individual students.
- “Biogeography” (GEO 555). Offered alternate years; enrollment 8-15.
- “Readings and Special Work in Advanced Geography” (GEO 609). Offered occasionally to individual students.
- “Seminar in Physical Geography” (GEO 750). Offered alternate years; enrollment 3-10.

University of Macau:

- “Exploring the Earth” (FSTG 111). Offered once; enrollment ~30.

University of Georgia:

- “Earth Science Survey” (GGY 104). Offered every quarter; enrollment ~90.
- “Weather and Climate” (GGY 120). Offered twice; enrollment ~250.
- “Introduction to Landforms” (GGY 121). Offered once; enrollment ~250.
- “Honors Physical Geography” (GGY 214H). Offered twice; enrollment ~15.
- “Synoptic Meteorology,” (GGY 606). Offered once. Enrollment ~10.

California State University, Sacramento:

- “Physical Geography” (GEOG 1). Offered once; enrollment ~50.
- “Geography for Teachers” (GEOG 100). Offered once; enrollment ~40.

University of Wisconsin, Oshkosh:

- “World Regional Geography (GEOG 102). Offered 4 times; enrollment 90-320.
- “Landforms and Soils” (GEOG 117). Offered twice; enrollment ~50.

SERVICE TO DISCIPLINE

2021-present Biogeography Section Editor, *International Encyclopedia of Geography: People, the Earth, Environment, and Technology* (Wiley Online Library/American Association of Geographers)

2017-present Member, Editorial Advisory Board, the *Geographical Review*.

2019 Co-Author (with M.A. Urban and M. Shepherd) of position paper on “Expanding Diversity in Physical Geography” submitted to the president, executive director, and national council of the American Association of Geographers.

2014-2017 Chair, Biogeography Specialty Group, American Association of Geographers.

2016-2017 Member, J. Warren Nystrom Award Committee, American Association of Geographers.

2014-2016 Member, National Science Foundation Geography and Spatial Sciences Advisory Panel.

2009-2012 Member, Enhancing Diversity Committee of the Association of American Geographers.

1995-1997 Member, Board of Directors, Biogeography Specialty Group, Association of American Geographers.

1993-present Frequent referee for student research grant and paper competitions, Biogeography Specialty Group, American Association of Geographers.

2004 Reviewer for the National Research Council (of *Endangered and Threatened Species of the Platte River*).

Tenure and promotion reviewer for

Bucknell University
National University of Singapore
University of Kentucky
University of Miami

University of Minnesota
University of Richmond
Western Washington University

Journal manuscript reviewer for

American Midland Naturalist
Annals of the Association of American Geographers
Botany
Canadian Journal of Botany
Ecological Applications
Ecological Monographs
Ecology
Elementa: Science of the Anthropocene
Environmental Research Letters
Geography Compass
Geological Society of America (Special Paper)

Geoforum
Geomorphology
Journal of Arid Environments
Journal of Geophysical Research-Biogeosciences
Landscape Ecology
Physical Geography
Professional Geographer
Sociological Focus
Southeastern Geographer
Transactions of the Institute of British Geographers

Textbook manuscript reviewer for

McGraw-Hill
HarperCollins
John Wiley & Sons

Proposal reviewer for

National Science Foundation
National Environmental Research Council (U.K.).
National Institutes for Water Resources

SERVICE TO SYRACUSE UNIVERSITY & GEOGRAPHY DEPARTMENT

2021-present Graduate Admissions and Awards Committee, Department of Geography and the Environment.

2021-present Search Committee, Department of Biology.

2018-2019 Colloquium Committee, Department of Geography (also 2000-2002).

2015-2019 Graduate Admissions and Awards Committee, Department of Geography.

2015-present Curriculum Committee, College of Arts and Sciences.

2014-2015 Outstanding TA Award Selection Committee, Graduate School.

2010-2015 Chair's Advisory Committee, Department of Geography (elected by colleagues).

2013-2014 Colloquium Coordinator, Department of Geography (also 1995-1997).

2007-2008 Teaching Fellow Selection Committee, Graduate School.

2008 Speaker at Teaching Fellows' Reception, Graduate School.

2005-2006 Instruction Committee, College of Arts and Sciences.

2005-2009 Associate Chair, Department of Geography.

2005-2009 Graduate Director and Chair of Graduate Admissions and Awards Committee, Department of Geography.

2005-2006 Chancellor's Environmental Initiative Committee.

2004-2005 Graduate Admissions and Awards Committee, Department of Geography.

2004-2005 Search Committee, Department of Geography.

2004 ENSpire Seed Grants Review Committee.

2004 Opening Speaker for “Big Chalk Program” for faculty training on classroom technology, Faculty Computing & Media Services

2003-2004 Promotion and Tenure Committee, College of Arts and Sciences.

2002-2003 Search Committee Chair, Department of Geography.

2000-2003 Chair’s Advisory Committee, Department of Geography (elected by colleagues).

2000-2004 Chair of Untenured Faculty Review Committee for one colleague.

2000-2011 Untenured Faculty Review Committees for 2-3 colleagues per year.

1994-2000 Graduate Admissions and Awards Committee, Department of Geography.

1998-1999 Search Committee Chair, Department of Geography.

1999 Panelist on “Earth’s Future: Global Warming, El Niño, and Other Climatic Events” for the College of Arts & Sciences Alumni College, Reunion Weekend.

1998-99 Member, two Search Committees, Department of Geography.

1994-95 Faculty representative to Geography Council, Department of Geography.

Chaired numerous Ph.D. and M.A. thesis examinations in Geography, Biology and Earth Sciences, among other departments.

PROFESSIONAL AFFILIATIONS

American Association of Geographers
American Geographical Society
American Geophysical Union
Ecological Society of America
Sigma Xi
Society of Environmental Journalists