Curriculum Vitae for James A. Montgomery, Ph.D.

Contact information

Department of Environmental Science and Studies
DePaul University
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Education

1987-1993 *Washington State University*, Pullman, WA, Ph.D. in Soil Science
1977-1984 *Baylor University*
1982 B.S. Geology
1986 M.S. Geology

Academic appointments

2000–present Associate Professor, Environmental Science and Studies, DePaul University
1993-2000 Assistant Professor, Environmental Science and Studies, DePaul University

Administrative appointments

2016-2018 Interim Chair, Department of Health Science, DePaul University
2004-2009 Chair, Environmental Science Program, DePaul University
2010 Chair, Department of Environmental Science and Studies[1]

Teaching experience

Undergraduate majors' courses taught at DePaul

- CHE 325 Solid Waste Chemistry
- ENV 216 Earth System Science, for majors (lecture + lab)
- ENV 294 Second Year Seminar, for majors
- ENV 220/310[2]/410 Environmental Soil Science, for non-majors and majors
- ENV 350 Senior Capstone, for majors
- ENV 360 Research Methods, for majors
- ENV 361 Research in Environmental Science (JYEL), for majors
- ENV 394 Third-Year Seminar[3]

First-Year Program Courses

- LSP 110 Discover Chicago
- ISP 120 Quantitative Reasoning
- MTL 120 Math and Technological Literacy-I

Honors Program Courses

- HON 225 Honors Science-Introduction to Environmental Science
- HON 110 Honors Discover Chicago

Liberal Studies Courses

- CHE 200 Environment and Pollution
- ENV 101 Introduction to Environmental Science, for non-majors

[1] The Environmental Science Program changed its name to the Department of Environmental Science and Studies in 2010
[2] ENV 220 was changed to ENV 310 in 2010. ENV 410 was added for ENV graduate students in 2019
[3] This course is no longer in the curriculum

- ENV 102 Introduction to Environmental Science with Lab, for non-majors
- ENV 115 Environmental Geology, for non-majors
- ENV 200 Cities and the Environment, for majors and non-majors
- ENV 202 Resources, Population and the Environment, for non-majors
- ENV 224 Environment of the Chicago River Watershed (with lab), for non-majors
- ENV 390 Special Topics: Greening the DePaul Campus

Graduate Courses

- SDV 432 Geology and Planetary Science for Teachers[4]
- SDV 442 Environmental Science for Teachers
- ENV 506 Earth Resources and Human Society, for graduate students

Courses Taught at Other Universities

- Soils 451 Soil Morphology, Genesis, and Classification, Washington State University
- Soils 360 World Agricultural Systems, Washington State University

Undergraduate Research Supervision

1. Jenny Garcia, **Project:** "What's in Your Soil? A Comparative Risk Assessment of Elevated Lead Levels in Children (0-7 years) Living in the Lakeview and West Elsdon-Garfield Ridge Community Areas" (In Progress)
2. Sarah Willi, **Project:** "Mapping Spatial Patterns of Lead Concentrations in Parkway Soils in the Lincoln Square Community Area." (In Progress)
3. Ben Goedert, 2021. **Project**: "Total Soil Lead, Building Age, and Population Density in Lakeview Census Tracts."
4. Twyla Neely-Streit, 2020. **Project**: "Mapping Irving Park Soil Lead Concentrations in Relation to Metra and CTA Train Lines."
5. Joe DeVito, 2020. **Project:** "Do Soil Lead and Children's Blood Lead Levels Increase in Proximity to Major-Trafficked Intersections in Lincoln Park?"
6. Malik Gordon, 2020. **Project**: "A Typology of Urban Soil Lead."
7. Jessica Harris, 2019. **Project:** "A Soil Lead Gradient Analysis Along Chicago's Fullerton Avenue."
8. Alexander Haraus, 2018. **Project**: "Comparisons of Chicago's Soil Lead Concentrations and Blood Lead Levels in 1-2- Year-Old Children".
9. Nicole Kuykendall, 2017. **Project: "**Comparison of Phosphorus Saturation Index Among Plant Communities and Soil Types at Prairie Wolf Slough."
10. Rose Anderson, 2016. **Project**: "Characterizing and Mapping Spatial Patterns of Total and Bioavailable Lead in the Lincoln Park Community."
11. Alisa Hansen, 2016. **Project: "**Investigating Spatial Patterns of Soil Lead Concentration Along and Urban to Rural Gradient."
12. Cassie Shah, 2014. **Project: "**Measuring Rates of Atmospheric Phosphorus Deposition into a Freshwater Wetland."
13. Katy Rico, 2013. **Project**: "Characterization of sediment in a restored freshwater wetland through analysis of select chemical and physical properties, source determination, and sedimentation rates."

[4] SDV – Science and Data Visualization. These courses were offered in the MS-Science Education program

14. Christian DeKnock (BA), Katy Rico (BS), Yarency Rodriguez (BS), Kate Vollrath (BA), Ellen Webb (BS), Allison Williams (BA). "Community- based Soil Quality Assessment as a Tool for Designing an Urban Green Infrastructure Network to Manage Runoff." This project was funded by the USEPA P3 Program ("People-Prosperity-Planet"). Co-directed with Dr. Christie Klimas in the Department of Environmental Science and Studies.
15. Robin Zalinger, 2014. **Project**: "A Comparison of Water Quality in Two Lincoln Park Ponds Undergoing Different Management Practices."
16. Miki Yoshimura-Rank, 2013. **Project**: "Recycling Habits in a University Setting."
17. Tim Mazurek, 2013. **Project**: "Comparison of phosphorous storage and release by two wetland plant species."
18. Carl McNeese, 2013. **Project**: "The Use of ArcGIS to Assess Soil Characteristics of Lincoln Park, Chicago."
19. Erin Economos, 2013. **Project**: "Explorations in using the annuals Indian mustard (Brassica juncea), geraniums (Pelargonium), and sunflowers (Helianthus annuus) for the phytoremediation of lead contaminated urban garden soils.", co-directed with Judy Bramble
20. Carolyn Samuelson, 2012. **Project**: "Analysis of Stormwater Runoff Quality in the Lincoln Park Neighborhood."
21. Danny O'Rourke, 2012. **Project:** "Comparison of lead content in organically grown versus conventionally grown leafy greens at Eden Place Nature Center."
22. Bobby Jo Fernandez, 2012. **Project**: "Phosphorus uptake by cattail plants at Prairie Wolf Slough Wetland."
23. Anne Wagenaar, 2012. **Project**: "Method Analysis of Macroinvertebrate Collection at Prairie Wolf Slough."
24. Sandra Begani, 2010. **Project:** "Determination of Hydrology and Soil Chemistry in a Midwestern Temperate Zone Fen."
25. Vincent Pansino, 2010. **Project: "**Coupled Soil-Water Phosphorous Dynamics at Prairie Wolf Slough Wetland Demonstration Project."
26. Jeffrey Sprovkin, 2010. **Project: "**Calculation of the Hydrologic Budget for Prairie Wolf Slough Wetland Demonstration Project."
27. Zachary Howard, 2008. **Project: "**Survey of DePaul residence hall occupants' use of resources and environmental attitudes and habits."
28. Nicole Scharko, 2007. **Project: "**A comparative look at the sustainable city movement through the use of environmental indicators in an urban community in Chicago."
29. Jason Macejak, 2007. **Project**: "A comparative examination of indoor air quality legislation on the state and federal level of government."
30. Joshua Anderson, 2007. **Project**: "Framework for a sustainable campus master plan: DePaul University Lincoln Park Campus."
31. Keegan Delaney, 2006. **Project:** "Phosphorus Release from Detritus in a Northeastern Illinois Constructed Wetland."
32. Helena Gren, 2006. **Project: "**Comparative changes in removal efficiencies in Prairie Wolf Slough."
33. Jamie Sandifer, 2005. **Project:** "A Comparative Look at the Costs and Benefits of a Green Building Program at an Academic Institution."
34. Michele Hargreaves, 2005. **Project**: "Impacts of Woody Invasive Species on Soil Properties."
35. Greg Cegielski, 2005. **Project**: "Nutrient Dynamics Along Hydrologic Gradients in a Restored Wetland."
36. Elizabeth Elverson, 2001. **Project:** "Nutrient and sediment budgets in a restored wetland in northeastern Illinois."
37. Nicole Stojak, 1999. **Project**: "Water quality assessment of the North Branch of the Chicago River, Lake County, Illinois."
38. Kara Hellige, 1998. **Project:** "Streambank erosion and sediment transport in the Middle Fork, North Branch- Chicago River, Highland Park, IL."

39. Josh Mallan, 1997. **Project:** "Mapping the Des Plaines River watershed using GIS."
40. Raffat Little, 1997. **Project: "**Assessing the physical relationship between water table fluctuations and spatial variations in soil redox potential in a wetland ecosystem.
41. Patricia Veltri, 1997. **Project:** "Analysis of spatial and temporal variations in major cation chemistry in the soil and groundwater of a wetland ecosystem."
42. Raffat Sultana, 1997. **Project:** "Assessing the physical relationship between water table fluctuations and spatial variations in soil redox potential in a wetland ecosystem."
43. Bryan Moore, 1996. **Project**: "Particle-size analysis of prairie/wetland soils."
44. Bil McCann, 1995. **Project:** "Characterization of soil physical and chemical properties at Somme Woods, Northbrook, IL."
45. Jay Flanyak, 1994. **Project:** "Environmental Impact Statement: Construction of a condominium and Jewel/Osco Superstore complex in Bannockburn, Illinois."
46. Lisa Sciolaro, 1994. **Project:** "Development, the environment, and public health."
47. Cynthia Grace, 1994. **Project:** "Characterization of soil physical properties at Somme Woods, Northbrook, IL."
48. Scott Morgan, 1994. **Project: "**Environmental Models."
49. Phillip Mole, 1994. "A preliminary investigation of the structure and function of an inland freshwater marsh."

Graduate thesis and non-thesis students advised

1. Stephanie Teresi, MS in Environmental Science, in progress, DePaul Universtiy
2. Aarti Mistry, MS in Environmental Science, in progress, DePaul University
3. Kimberly Frye, MA in Interdisciplinary Studies, 2008, DePaul University
4. Nan Zabriskie, MA in Liberal Studies, 2014, DePaul University
5. Mattian Prian, MS in Chemistry, 1998, DePaul University

Grants and contracts

External

- "EPISTEM: Engage and Persist in STEM at DePaul University". J.A. Montgomery (PI), B. Beck-Winchatz (co-PI), L. Berardi (co-PI), S. McMahon (co-PI). National Science Foundation. 2021-2026. Amount Requested = $999,997. FUNDED.
- "Community-based Soil Quality Assessment as a Tool for Designing an Urban Green Infrastructure Network to Manage Runoff Montgomery". J.A. Montgomery (co-PI), C.A. Klimas (co-PI). U.S. Environmental Protection Agency. 2012. Amount Requested = $15,000. FUNDED
- "Community-based Soil Quality Assessment as a Tool for Microsite Management of Pollutant Runoff". J.A. Montgomery (co-PI), C.A. Klimas (co-PI). U.S. Environmental Protection Agency. 2012. Amount Requested = $15,000. NOT FUNDED
- "Evaluation of a Restored Farmed Wetland as a Best Management Practice for Phosphorous Removal". J.A. Montgomery (PI). U.S. Environmental Protection Agency. 2006. Amount Requested = $92,727. NOT FUNDED
- "Dynamics of carbon and nitrogen in soils along a gradient of human impact: our need for a total carbon- nitrogen analyzer." J.A. Montgomery (PI), L.J. Heneghan (co-PI). USDA Cooperative State Research Education and Extension Service-Agroecosystems Cluster. 2006 Amount Requested = $45,000. FUNDED
- "Hydropattern characteristics of invasive woody species: implications for wetland restoration and management." J.A. Montgomery (PI). Chicago Wilderness Partnership/Illinois Department of Natural Resources. 1999. Amount Requested = $4,000. NOT FUNDED

- "An investigation of the hydropattern characteristics of invasive woody species communities: implications for savanna/wetland restoration planning and management. J.A. Montgomery (PI). The Nature Conservancy and the Forest Preserve District of Cook County. Amount Requested = $5,500, with an additional $1,500 match from DePaul University). FUNDED.
- "Baseline groundwater hydrologic monitoring at Gensburg-Markham Prairie, Oak Forest, IL." J.A. Montgomery (PI). Corlands and U.S. Army Corps of Engineers. 1999. Amount Requested = $7500. FUNDED.
- "Water quality improvement by Prairie Wolf Slough Wetlands Demonstration Project." J.A. Montgomery (PI). U.S. Fish and Wildlife Service – Chicago Metro Office. 1998. Amount Requested = $25,000, with a $13,000 match from DePaul University. FUNDED
- "Water quality monitoring program at Prairie Wolf Slough Wetlands Demonstration Project." J.A. Montgomery (PI). Friends of the Chicago River. 1997. Amount Requested = $10,000. FUNDED.
- "Evaluating the human impact on wetland ecosystems in a rapidly urbanizing watershed in northeastern Illinois." J.A. Montgomery (PI), J. Tandarich (The Wetlands Initiative, co-PI). 1997. Grantor: Charles and Anne Morrow Lindbergh Foundation. Amount Requested = $25,000. NOT FUNDED.
- "Urban uses of STATSGO and SSURGO and associated databases". J.A. Montgomery (PI), J. Tandarich[5] (co-PI). 1997. U.S. Department of Agriculture-Natural Resources Conservation Service. Amount Requested = $20,000. NOT FUNDED.
- "Post-doctoral Environmental Scientist to Collaborate on Projects to Investigate Physicochemical Processes in Hydric Soil Genesis". A Letter of Intent submitted to the Camille and Henry Dreyfus Postdoctoral Program in Environmental Science. 1996. The LOI was denied, so no grant was submitted.
- "Effects of prescribed burning on hydrophytic vegetation and selected soil properties in a palustrine emergent marsh." J.A. Montgomery (PI). Forest Preserve District of Cook County Restoration Research Fund. Amount Requested = $2,000. NOT FUNDED.
- "An investigation of hydromorphic features at an inland marsh near Northbrook, IL." J.A. Montgomery (PI). 1994. DePaul University College of Liberal Arts and Sciences – University Research Council. Amount Requested = $2,500. FUNDED.

Internal

- "What's in Your Soil? A Comparative Risk Assessment of Elevated Lead Levels in Children (0-7 years) Living in the Lakeview and West Elsdon-Garfield Ridge Community Areas". 2021. Jenny Garcia, environmental science major, received a College of Science and Health Undergraduate Summer Research Grant to work with Dr. Montgomery. Amount Requested = $2,400 in summer stipend + $194 for supplies. FUNDED.
- "Measuring Rates of Atmospheric Phosphorus Deposition into Prairie Wolf Slough Wetland." 2021. J.A. Montgomery (PI). College of Science and Health Undergraduate Research Program (URAP). Amount Requested = $2,250 for 150 hours (summer 2021 + AQ 2021) funding for environmental science major Isaac Daitchzman. FUNDED.
- "Lead Health Initiative in Chicago Public Schools." J.A. Montgomery (PI). Vincentian Endowment Fund. 2019. Amount Requested = $4,300. FUNDED.

[5] The Wetlands Initiative, Chicago, IL

- "Rising STEM Scholars Program." J.A. Montgomery (PI), D. Bruce[6] (Co-PI). Academic Growth and Innovation Fund. 2019. Amount Requested = $316,463. FUNDED.
- "Lead Health Fair Initiative". J. Lippert[7] (PI), J.A. Montgomery (co-PI). Academic Initiatives Pool. 2017. Amount Requested = $19,400. FUNDED.
- "What's In Your Soil? Characterizing and Mapping Spatial Patterns of Soil Quality Indicators in Chicago." J.A. Montgomery (PI). CSH Faculty Summer Research Grant. 2017. $5000 (PI summer salary) + $1,500 (summer salary for an ENV undergraduate intern). FUNDED.
- "Lead Health Fair." J.A. Montgomery (PI), J. Lippert (co-PI). Vincentian Endowment Fund. 2016. Amount Requested = $5,000. FUNDED.
- "What's in Your Soil?: Characterizing and Mapping Spatial Patterns of Residential Soil Quality Indicators in Four Northside Chicago Neighborhoods." J.A. Montgomery (PI). Provost's Academic Initiatives Pool. 2016. Amount Requested = $4,865. FUNDED.
- "Discover DePaul-Improving Soil Management Via Education and Community Empowerment". C. Klimas (co-PI), J.A. Montgomery (co-PI). Vincentian Endowment Fund. 2012. Amount Requested = $5,000. FUNDED.
- "Evaluation of heavy metal concentrations in soils of the Lincoln Park Neighborhood." J.A. Montgomery (PI). DePaul University College of Liberal Arts and Sciences Faculty Research and Development Committee – Undergraduate Research Assistant. Funding of 150 hours for undergraduate CHE student Michael Cycon to assist me with this project in WQ and SQ 2010. Amount Requested = $1350. FUNDED.
- "Calculation of the hydrologic budget for Prairie Wolf Slough Wetland-Demonstration Project". J.A. Montgomery (PI). DePaul University College of Liberal Arts and Sciences Faculty Research and Development Committee – Undergraduate Research Assistant. Funding of 75 hours for ENV undergraduate student Jeffrey Sprovkin to assist me with this project in WQ and SQ 2011. Amount Requested = $675. FUNDED.
- "The potential for online learning in the Environmental Science Program." J.A. Montgomery (PI), M. Workman[8] (co-PI). DePaul University College of Liberal Arts and Sciences – Quality of Instruction Council - Departmental Initiative Academic Technology Grant. 2007. Amount Requested = $7,500. FUNDED.
- "Nutrient dynamics and water budget along a forest wetland hillslope transect." J.A. Montgomery (PI). DePaul University College of Liberal Arts and Sciences Faculty Research and Development. 2001. Amount Requested = $4,500. FUNDED.
- **"**Assessing wetland functions using a hydrogeomorphic approach." J.A. Montgomery (PI). DePaul University College of Liberal Arts and Sciences – University Research Council. 1997. Amount Requested = $2,500. FUNDED.
- **"**Evaluation of soil-water potential and unsaturated flow using tensiometers." J.A. Montgomery (PI). DePaul University College of Liberal Arts and Sciences Faculty Research and Development Grant. 1997. Amount Requested = $3,500. FUNDED.

[6] Department of Health Science, DePaul University
[7] ibid
[8] Department of Environmental Science and Studies

- "A preliminary investigation of the structure and function of an inland marsh near Northbrook, IL." J.A. Montgomery (PI). DePaul University College of Liberal Arts and Sciences – University Research Council. 1994. Amount Requested = $2,500. FUNDED.
- "A preliminary investigation of the structure and function of an inland marsh near Northbrook, IL." J.A. Montgomery (PI). DePaul University College of Liberal Arts and Sciences Faculty Research and Development Grant. 1997. Title: $3,500. Amount Requested = $3,500. FUNDED.
- "Summer curriculum development grant to develop a three-hour geology laboratory course to accompany PHY 105, Physical Geology." J.A. Montgomery (PI). DePaul University College of Liberal Arts and Sciences Quality of Instruction Council Grant. Amount Requested = $3,500. FUNDED

Publications

Refereed journal articles, peer blind reviewed.

Note: The symbol [G]denotes graduate student co-authors, [U]denotes DePaul undergraduate student co-authors; First author is highlighted in ***bold.***

Montgomery, J.A. J.M. Eames, and C. Klimas. **2021**. "A 16-year investigation of legacy phosphorus discharge from Prairie Wolf Slough: a wetland restored on a former farmed field." Restoration Ecology 29(3): e13340. https://doi.org/10.1111/rec.13340

Lippert, J., J. Montgomery, and C. DeMarco[G]. **2020**. "Lead Health Fairs: A Community-Based Approach to Addressing Lead Exposure in Chicago." Health Education & Behavior: Society for Public Health Education, sagepub.com/journal-permissions. https://doi.org/10.1177/1090198120954359

Klimas, C., A. Williams[U], M. Hoff[U], B. Lawrence, J. Thompson[U], and J. Montgomery. **2016**. **"**Valuing Ecosystem Services and Disservices across Heterogeneous Green Spaces." Sustainability 8(9): 853: https://doi.org/10.3390/su8090853

Montgomery, J.A., C.A. Klimas, J. Arcus[U], C. DeKnock[U], K. Rico[U], Y. Rodriguez[U], K. Vollrath[U], E. Webb[U], and A. E. Williams[U]. **2016.** "Soil Quality Assessment Is a Necessary First Step for Designing Green Infrastructure." J. Environ. Qual. 45:18-25 https://doi.org/10.2134/jeq2015.04.0192

Heneghan, L., S.P. Miller, M.A. Callaham Jr; S. Baer, J.A. Montgomery, S. Richardson, C.C. Rhoades, and M. Pavao-Zuckerman. **2008**. "Integrating a soil ecological perspective into restoration management." Restoration Ecology 16(4): 608-617. https://doi.org/10.1111/j.1526-100X.2008.00477.x

Montgomery, J.A. and J.M. Eames. **2008.** "Prairie Wolf Slough Wetlands Demonstration Project: A Case Study Illustrating the Need for Incorporating Soil and Water Quality Assessment in Wetland Restoration Planning, Design and Monitoring." Restoration Ecology 16(4):618-628. **https://doi.org/10.1111/j.1526-100X.2008.00492.x**

Montgomery, J. A. **2000**. "The Use of Natural Resource Information in Wetland Ecosystem Creation and Restoration: Reflections on the Value of Talking and Listening." *Ecological Restoration*, *18*(1), 45-50. https://doi.org/10.3368/er.18.1.45

Montgomery, J.A., D.K. McCool, A.J. Busacca, and B.E. Frazier. **1998**. "Quantifying tillage translocation and deposition rates due to moldboard plowing in the Palouse Region of eastern Washington, USA." Soil & Tillage Research, 51:175-187. https://doi.org/10.1016/S0167-1987(99)00036-7

McCool, D. K., J.A. Montgomery, A.J. Busacca, and B.E. Frazier. **1998**. "Soil degradation by tillage movement." In 9th Conference of the International Soil Conservation Organisation, Bonn. Advances in GeoEcology, 31:327-332.

Montgomery, J.A., A.J. Busacca, B.E. Frazier, and D.K. McCool. **1997**. "Evaluating soil movement rates in a Palouse watershed using 137Cs and RUSLE." Soil Science Society of America Journal 61(2) 571-579. https://doi.org/10.2136/sssaj1997.03615995006100020029x

Edited Book Chapters

Note: The symbol [G]denotes graduate student co-authors, [U]denotes DePaul undergraduate student co-authors; The symbol [I]denotes invited contribution.

Klimas, C., Montgomery, J., Rosing, H., Hess, M., Perez[U], X., & DeKnock[U], C. **2016**. Soils in the City. A Science-Based Service-Learning Course. *Science and Service Learning*, 147.

Richardson, J.L., J.L. Arndt, and J.A. Montgomery[I]. **2001**. Ch. 3. "Hydrology of wetland and related soils." Pp. 35-84 in Richardson, J.L., M.J. Vepraskas, and C.B. Craft (eds.). Wetland Soils: Their Genesis, Morphology, Hydrology, Landscapes, and Classification, CRC Press, Boca Raton, FL.

Montgomery, J.A.[I], J.P. Tandarich, and P.M. Whited. **2001**. Ch. 10. Use of soil information for hydromorphic assessment. Pp. 229-250 in Richardson, J.L., M.J. Vepraskas and C.B. Craft (eds.). Wetland Soils: Their Genesis, Morphology, Hydrology, Landscapes, and Classification, CRC Press, Boca Raton, FL.

Montgomery, J. A.[I] 1993. "The Nature and Origin of the Blackland Prairies of Texas." Pp. 24-40 in Sharpless, M.R., and J.C. Yelderman (eds). The Texas Blacklands: Land, History, Culture", Baylor University Program for Regional Studies, Waco, TX.

Proceedings

Busacca, A. J., and **J. A. Montgomery**. **1992**. "Field-landscape variation in soil physical properties of the Northwest dryland crop production region." In: Precision Farming for Profit and Conservation, Proc. 10th Inland Northwest Conservation Farming Conference. Washington State University, Pullman, pp. 8-18.

Eames, J.M., J.J. Mihelic, J.A. Montgomery, and S. Kauffman. **2000.** Watershed management in Woods Creek Watershed, Illinois. International Conference-*American Water Resources Association 2000 Summer Specialty Conference-Riparian Ecology and Management in Multi-Use Watersheds,* Portland, OR, August 28-31, 2000.

Other Publications
Opinion: *"Even in Chicago, beware of drinking water."* Chicago Sun-Times, March 3, 2016[9]
https://chicago.suntimes.com/2016/3/3/18376873/opinion-even-in-chicago-beware-of-lead-in-drinking-water (Published as part of the Public Voices Op-Ed Project)

"What Sustains Us?-An Institutional Sustainability Plan for DePaul University" Report No. 5 – Prepared by the Sustainability Initiatives Task Force, J.A. Montgomery (ed.), November 6, 2011.

Scholarly papers presented
Refereed and invited conference oral presentations
Note The symbol [G] denotes advised graduate student co-authors, [U] denotes DePaul undergraduate student co-authors. [I] indicates invited presentation. Presenter is indicated in **bold.**

Montgomery, J.A. **2019**. Do You Need a pedo-CURE? International Soils Meeting - *Soil Science Society of America,* conference presentation, San Antonio, TX, November 9-14, 2019.

Montgomery, J.A., J.M. Eames, C. Klimas. **2019**. Rebirth to Adolescence: A 16-Year Investigation of Excess Phosphorus Discharge From a Restored Farmed Wetland in Suburban Chicago. International Soils Meeting - *Soil Science Society of America*, conference presentation, San Antonio, TX, November 9-14, 2019.

Montgomery, J.A[I]. 2019. Serving Society Through Soil Science: A Case Study of the "What's In Your Soil?" Project in Chicago. International Soils Meeting - *Soil Science Society of America*, conference presentation, San Diego, CA, January 6-9, 2019.

Montgomery, J.A. 2018. Serving Society Through Soil Science: A Case Study of the "What's In Your Soil?" Project in Chicago. *21st World Congress of Soil Science*, conference presentation, Rio de Janeiro, Brazil, August 12-17, 2018.

Montgomery, J.A. **2017.** SoilSHOP in Chicago. International Soils Meeting - *Soil Science Society of America*, Tampa, FL, October 22-25, 2017.

Montgomery, J.A., R. Andersen, and M. Workman. **2016**. What's In Your Soil? - Characterizing and Mapping Spatial Patterns of Soil Quality in Chicago's Lincoln Park Neighborhood. International Meeting - *Soil Science Society of America*, Phoenix, AZ, November 6-9, 2016.

Montgomery, J.A. 2016. The "What's In Your Soil" Project: Characterizing and Mapping Spatial Patterns of Soil Quality in Chicago's Lincoln Park Neighborhood. *1st Annual Urban Soil Symposium,* Brooklyn College, Brooklyn, NY, December 9, 2016.

Montgomery, J.A.[I] and J.M. Eames. **2014.** Prairie Wolf Slough: A Case Study Illustrating the Need for Incorporating Land Use History and Soil Quality Assessment in Wetland Restoration Planning, Design and Monitoring. International Meeting-*Soil Science Society of America,* Long Beach, CA, November 2-5, 2014.

Montgomery, J.A. C.A. Klimas, and A.E. Williams[U]. **2014**. Community-Based Soil Quality Assessment As a Tool for Designing an Urban Green Infrastructure Network to Manage Runoff. International Meeting-*Soil Science Society of America,* Long Beach, CA, November 2-5, 2014.

[9] Op-ed written as part of my participation in the Public Voices Op-Ed Program, 2016

Montgomery, J.A. and C.A. Klimas. **2014**. Community-based Soil Quality Assessment as a Tool for Designing an Urban Green Infrastructure to Manage Runoff. Conference-*Soils in the City-Enhancing Urban Soils for Living Landscapes and Healthy Communities",* Chicago, IL, June 29-July 2, 2014

Montgomery, J.A. and S. V. Kelley. 2011. The Place of Sustainability in the University Strategic Plan. Conference-*Annual Meeting of the Association for the Advancement of Sustainability in Higher Education (AASHE),* Pittsburgh, PA, October 9-12, 2011.

Montgomery, J.A. and J.P. Tandarich. **2005**. Soil Scientists by Any Other Name. International Meeting-*Soil Science Society of America*, Salt Lake City, UT, November 6-10, 2005.

Montgomery, J.A. and J.M. Eames. **2005**. The Effectiveness of Native Landscaping in Providing Functional Hydrological and Biogeochemical Cycles: Myth vs Reality. Annual Meeting-*Soil and Water Conservation Society*, Rochester, NY, July 25-28, 2005.

Montgomery, J.A., D. Ramsay, E. Elverson[U]. **2001.** Restoration of Wetland Values and Functions at Prairie Wolf Slough: An Update. Conference-*Society of Wetland Scientists* Conference, Chicago, IL, May 27–June 1, 2001.

Montgomery, J.A. and J.P. Tandarich. **1998.** Use of natural resource information in wetland creation and restoration. International Meeting-*Soil Science Society of America*, Baltimore, MD, October 18-22.

Montgomery, J.A., and J.P. Tandarich. **1997.** Use of soil information for hydrogeomorphic assessment in an urbanizing Area. International Meeting-*Soil Science Society of America*, Anaheim, CA, October 26-31, 1997.

McCool, D.K., J.A. Montgomery, A.J. Busacca, and B.E. Frazier. **1997**. Soil degradation by tillage movement. *9th ISCO Conference: Towards Sustainable Land Use*, Bonn, Germany, August 26-30, 1997.

Montgomery, J.A., and B.A. McCann[U]**. 1996.** A preliminary investigation of the structure, function, and soil hydromorphology of a palustrine emergent marsh. 23rd Natural Areas, 15th North American Prairie, and Indiana Dunes Ecosystems Conferences, St. Charles, IL, October 23-26, 1996.

Montgomery, J.A., B.E. Frazier, A.J. Busacca, and D.K. McCool. **1992.** Evaluation of soil movement rates in an open watershed using Cs-137 as a tracer. International Meeting-*Soil Science Society of America*, Denver, CO, October 30-November 3, 1992.

Non-Refereed Conference & Symposia Oral Presentations
Note: Presenter is indicated in **bold.**

C.A. Klimas and J.A. Montgomery. **2014**. Soils in the city: growing green infrastructure & community. *SENCER SCI-Midwest Regional Symposium, Teaching College Science and Math Through Food, Health and Sustainability Themes*. March 8, 2014. Roosevelt University-Schaumburg Campus.

Montgomery, J.A. and J.M. Eames**. 2004.** The hydrologic benefits of native landscaping. Conference-*Landscaping with Native Plants: Exploring the Environmental, Social and Economic Benefits*, DePaul University, Chicago, IL December 8, 2004.

Busacca, A.J. and **Montgomery, J.A. 1992.** Yield-landscape variation in soil physical properties of the Northwest Dryland Crop Production Region. 10th Inland Northwest Conservation Farming Conference, Pullman, WA, February 18, 1992.

Montgomery, J.A. 1990. The nature and origins of the Blackland Prairies of Texas. Conference-*The Texas Blacklands: Land, History, Culture,* Baylor University, April 20, 1990. Waco, TX.

Symposia that I Organized and Moderated

"Resource Conservation and Management in the Urban Environment: Science the Practitioner Can Use." **2006**. Annual Meeting-*Soil and Water Conservation Society,* Keystone, CO, July 22-26, 2006.

Refereed Conference Poster Presentations

Note: The symbol [G]denotes graduate student co-authors, [U]denotes DePaul undergraduate student co-authors; Presenter is indicated in **bold.**

Montgomery, J.A. and J.M. Eames. **2016**. Prairie Wolf Slough: A Case Study Illustrating the Need for Incorporating Land Use History and Soil Quality Assessment in Wetland Restoration Planning, Design and Monitoring. International Meeting-*Soil Science Society of America*, Phoenix, AZ, November 6-9, 2016.

Montgomery J.A., C. McNeese[U], and R. Andersen[U]. **2015**. What's In Your Soil? A Comparison of Soil Quality in Two Chicago Neighborhoods. International Meeting-*Soil Science Society of America*, Minneapolis, MN, November 15- 18, 2015.

Montgomery, J.A. and J.M. Eames. **2013**. Export of Phosphorus from a Restored Shallow Marsh in Northeastern Illinois. Conference-*5th World Congress on Ecological Restoration*, Madison, WI, October 6-11, 2013.

Montgomery, J.A. and J.M. Eames. **2012**. Phosphorus release from a restored farmed wetland in northeastern Illinois. 17th Annual Conference, *Wisconsin Wetlands Association*, Lake Geneva, WI, February 22-23, 2012.

Montgomery, J.A. and J.M. Eames. **2012**. Phosphorus Release from Soils in Restored Farmed Wetlands. International Meeting-*Soil Science Society of America*, Cincinnati, OH, October 21-24, 2012.

Frye, K. L.[G] and J.A. Montgomery**. 2011. T**ree Species-Driven Effects on Above- and Below-Ground Feedbacks in An Urban Forest. International Meeting-*Soil Science Society of America*, San Antonio, TX, October 16-19, 2011.

Montgomery, J.A., W.H. Warner, and K. Frye[G]. **2009**. Phosphorous dynamics in a restored freshwater marsh in suburban Chicago: A case study illustrating the need for incorporating soil and water quality assessment in wetland restoration planning, design and monitoring. Annual Meeting-*Society of Wetland Scientists*, Madison, WI, June 22-26.

Montgomery, J.A., K.A. Labno, and M.A. Workman**. 2003.** Water quality functions in a reclaimed wetland. International Meeting-*Soil Science Society of America,* Denver, CO, November 2-7, 2003.

Montgomery, J.A., E. Elverson[U], J. Neukom[U], M. Pfister. **2002**. Water Quality Dynamics in a Restored Wetland in Northeastern Illinois. Conference-*Society of Wetland Scientists,* Lake Placid, NY, June 2-6, 2002.

Eames, J.M., J.J. Mihelic, J.A. Montgomery, and S. Kauffman. **2000.** Watershed management in Woods Creek Watershed, Illinois. International Conference-*American Water Resources Association 2000 Summer Specialty Conference-Riparian Ecology and Management in Multi-Use Watersheds,* Portland, OR, August 28-31, 2000.

Montgomery, J.A. Landscape-vegetation-hydromorphic relationships in a wet soil catena. **2001**. Annual Meeting-*Society of Wetland Scientists Conference*, Chicago, IL, May 27–June 1, 2001.

Montgomery, J.A., J.P. Tandarich, S. McChesney, P. Veltri[U], and S. Kauffman. **1999.** *Landscape-vegetation-hydromorphic relationships in a wet soil catena.* International Meeting-*Soil Science Society of America*, Salt Lake City, UT, October 31-November 3, 1999.

Montgomery, J.A., D.K. McCool, A.J. Busacca, and B.E. Frazier. **1997** Tillage soil movement and soil degradation in the Palouse Region of Eastern Washington, USA. International Symposium-*Tillage Translocation & Tillage Erosion,* Toronto, Ontario, Canada, July 24-25, 1997.

Montgomery, J.A., and B.A. McCann[U]. **1996.** An investigation of soil hydromorphological features in an emergent marsh in Northbrook, IL. International Meeting-*Soil Science Society of America*, Indianapolis, IN, November 3-8, 1996.

Montgomery, J.A., B.A. McCann[U]**,** and P.N. Molé[U]. **1995** A preliminary investigation of the structure and function of a palustrine emergent marsh in Northbrook, IL. International Meeting-*Soil Science Society of America*, St. Louis, MO, October 29-November 1, 1995.

Other Invited Presentations

"Lead Contamination and Dealing with it: The Problems of Lead in the Water, in Soil and in the Home, and How to Deal with Them." **2016**. Edgewater Environmental Sustainability Project**.** February 11th, Edgewater Library, Sponsored by State Senator Heather Steans, State Representative Kelly Cassidy, and Alderman Harry Osterman.

"Living With Lead Seminar Series". **2016.** City Bureau. (https://www.citybureau.org/ Seminar #1: Rogers Park Library, March 18; Seminar #2: Thurgood Marshall Library-Auburn-Gresham, March 25. I was a panelist with Dr. Helen Binns, M.D., MPH, Lurie Children's Hospital, and Dr. Nick Peneff, DPH, to discuss lead contamination in Chicago soil.

"Prairie Wolf Slough: A Case Study Illustrating the Need for Incorporating Land Use History and Soil Quality Assessment in Wetland Restoration Planning, Design and Monitoring." **2016**. Northern Illinois University Department of Geography Weekly Seminar, DeKalb, IL, September 23, 2016.

"Nature, Soil, and God". 2010. DePaul University, Office of Mission and Values Spring Salon Series.

"Overview of the Environmental Practice Journal". **2010**. 35th Annual Conference-*National Association of Environmental Professionals*, Atlanta, GA, April 27-30.

"Some idle thoughts and random speculations on my best practices in teaching". **2008**. DePaul Faculty Teaching and Learning Conference.

"Chicago: An Accident of Geography and the Making of a Metropolis." **2008**. Department of Geography and Environmental Studies, Monash University, Melbourne, Australia. August 20, 2008.

"Prairie Wolf Slough: A Case Study of Soils as an Afterthought in Wetland Restoration Design and Management." **2006**. Conference-*"Soils and Restoration Ecology"* DePaul University, Chicago, IL, December 18-20, 2006.

"Urban wetland restoration: Water quality functions of a restored wetland in Chicagoland." **2004**. School of Public and Environmental Affairs Weekly Seminar, Bloomington, IN, February 26, 2004.

"The wonderful world of wetlands." **200**1. LAS Faculty Research Seminar, October 11, 2001.

"Structure and function of a palustrine emergent marsh in northeastern Illinois." **1995**. LAS Faculty Research Seminar, October 19, 1995.

"Use of geostatistics in the earth and environmental sciences." **1994**. LAS Faculty Research Seminar, October 26, 1995.

Other Conferences Attended

"Sustainability and the Catholic University". **2009**. University of Notre Dame, South Bend, IN, Oct 9–11, 2009, attendee.

Undergraduate student theses published in "Creating Knowledge" (LAS)

Vernon, Marian. **2010**. "The Impact of Different Types of Environmental Messages on Dormitory Residents' Energy Conservation Behavior." Vol. 3. Available at: https://las.depaul.edu/student-resources/undergraduate-_research/Documents/2010Volume3.pdf

Undergraduate student theses published in "DePaul Discoveries" (CSH)

Shah, Cassandra **2015**. "Measuring Rates of Atmospheric Phosphorus Deposition into a Fresh Water Wetland." Vol. 4: Iss. 1, Article 8. Available at: http://via.library.depaul.edu/depaul-_disc/vol4/iss1/8

Rico, Kathryn. **2013**. "A Characterization of Marsh Sediment at Prairie Wolf Slough, Wetland." Vol. 2 : Iss. 1, Article 8.Available at: https://via.library.depaul.edu/depaul-disc/vol2/iss1/8/

Yoshimura, Rank. **2012**. "The Effects of Messages on Environmental Behavior." Vol. 2: Iss. 1, Article 9. Available at: http://via.library.depaul.edu/depaul-disc/vol2/iss1/9

Service

University

- Chicago Quarter Committee (2018-present; Dr. Leah Bryant, Chair)
- University Honors Program Committee (2013-2016; Dr. Rose Spalding, Chair); University Honors Program Committee (2020-present; Dr. Jenny Conary, Chair)
- Society of Vincent DePaul Professors (2012-present)
  - Executive Committee President (2020-2021)
  - Executive Committee Vice-President (2019-2020)
  - Executive Committee Secretary (2018-2019)

- Fair Business Practices Committee (2015-2017; Dr. Scott Kelley, Chair)
- Co-Director-Sustainability Initiatives Task[10] (2009-2012)
- Co-Director-DePaul Sustainability Network (2012-2017)
- Member, North Central Association Accreditation Committee, Chapter 1 Team (Mission and Integrity; Drs. Tom Drexler and Jim Halstead, Co-Chairs (2006)
- Chair, Scientific Inquiry Domain (SID) Committee (2001-2004). The committee reviewed applicationsof courses for inclusion in SID and performed assessment on how current courses are meeting the learning outcomes
- Authored SID Assessment Report for Office of Teaching, Learning and Assessment (2001-2004).
- Authored SID Report for Academic Program Review (2003).
- Academic Integrity Board (1994-1996)

College of Science and Health

- Member-Colloquium Committee (2019-Current)
- Member-STEM Center Committee (2019-Current; Dr. Bernhard Beck-Winchatz, Director)
- Member-Curriculum Committee (2014-2017; Dr. Rick Niedziela, Associate Dean, CSH, Chair)
- Member-Assessment Committee (2019-Current; Dr. Rick Niedziela, Associate Dean).
- Member-Search Committee for Permanent CSH Dean, (SOM Dean Dr. Don Casey, Chair).
- Participant-Visit Days for prospective students (2016, 2017).
- Headed up SWOT analysis for CSH strategic planning process (2013).

College of Liberal Arts and Sciences (2007-2010)

- Member – College Committee on Curriculum and Planning (CCCP-Lynn Narasimhan, Chair), 2009-2011
- Member-Faculty and Staff Advisory Board to the Division of Student Affairs (Jim Doyle, EVP Student Affairs, Chair), 2010
- Member-Educating the Educators Task Force (Dr. Lynn Narasimhan, Chair; 2009).
- Chair-Student Field Experience Advisory Task Force (2008).
- Member-"Promoting Academic Programs to Impact K-12 Community College. Education of Educators" (Dr. Lynn Narasimhan, Chair).
- Member-Institute for Nature and Culture (Liam Heneghan and Bill Jordan, Co- Directors).
- Instructor-Masters of Science in Science Education (Lynn Narasimhan, Director).
- Member-Committee to develop M.S. degree in Environmental Science Teaching (David Jabon and Lynn Narasimhan, co-PIs).
- Member-Forum on Nature and Culture Committee (Liam Heneghan and William Jordan III, co-Directors).
- Participant-Advising Encounter Workshop (Bob Rotenberg).
- Participant-Visit Days for prospective students.
- Participant-Major-Minor Fair.
- Participant-Natural Sciences and Mathematics Divisional Meeting (Lynn Narasimhan, Chair.
- Panelist-LAS Faculty Governance Council-sponsored panel discussion on benefits of green buildings (Liam Heneghan, FGC member and convener; Spring 2006).
- Member, Teaching Committee (Lynn Narasimhan, Chair, 2004-2005).
- ESP representative-Visit Days for prospective students (Fall 2004).
- Panel Discussant-Open House for High School Guidance Counselors (December 2004 – Lynn Narasimhan, convenor).

[10] This committee was established as a Presidential Task Force by Rev. Dennis Holtschneider

- Worked with Study Abroad Office to design a study abroad experience targeted toward science majors at Monash University in Melbourne, AU.
- Allied faculty member in Public Policy Studies Program.
- Academic Program Review-participated in preparing Environmental Science Program APR report (2002-2003).
- Interviewer, Schmidt/Bauer Student Scholarship Program.
- Participant, Science and Math Day at DePaul University (2001-2003).
- Member, Truman Scholarship Review Committee (1999).
- Member, College Capstone Course Committee (Environmental Science Program representative - 1999).
- Member-Undergraduate Public Policy Studies Curriculum Working Group (1998).
- Environmental Science Representative for Career Day for Undeclared Majors (1998).
- Instructor, Chicago Alliance for Minority Participation - Science Preparatory Institute, DePaul University (Summer 1996-1998).
- Member, College Interdisciplinary Science Committee (1997).
- Group Leader, College Summer Academic Planning Retreat (1997).
- Member, Scientific Literacy Committee (1997).
- Delivered presentation to USDA site-visit team for proposed Biological Sciences-Environmental Sciences building (1996).
- Group Leader, Summer Academic Planning Retreat (1996).
- Member, Working Group on Faculty Expectations (1996).
- Environmental Science Program representative for College New Student Open House (1994).

Department

- Currently advising ~20 ENV majors.
- Academic Program Review Committee (2000, 2010, 2020)
- ENV Diversity Committee (2020-present)
- Member of ENV Assessment Subcommittee (2001-2005, 2008-2015)
- Oversaw hiring of new administrative assistant when I was Chair (2010)
- Oversaw tenure-track searches in 2005 and 2008 for plant ecologist (Sarah Richardson) and global change faculty (Mark Potosnak) respectively.
- Participant – design process for Msgr. Andrew McGowan ("McGowan North") facility.
- Convened ENV faculty retreat (December 6-7, 2005).
- Assisted in ESP Academic Program Review for University.
- Interim Director ESP (AQ 2002).
- Authored ESP Senior Capstone Course Proposal (ENV 350; 2000).
- Environmental Science Program representative to Capstone Course Committee.

Community

- Member, Board of Trustees, Chicago Academy of Sciences, Peggy Notebaert Nature Museum (2012-present)
- Research Supervisor – eight students from Walter Payton College Prep High School who worked on projects in my lab (2010, 2019-2020)
- Member, Friends of Lincoln Park High School (2014-2018)
- Founder and Director-*DePaul Science Experience*. I taught a forensic science course ("CSI:Chicago") for 7th and 8th grade students from CPS and Catholic schools (2007-2010).
- Founder and Director-*Hands-on Environmental Science*. I taught an environmental science course for 7th and 8th grade students from Oscar Mayer Elementary School and St. Benedicts Catholic School (2005-2007).

- Founder and Director-*High School Campus Sustainability Working Group*. I met monthly at DePaul with CPS and suburban high school teachers of environmental science to discuss campus sustainability research projects (2000-2001).
- Science Fair Judge-Oscar Mayer Elementary School, Abraham Lincoln Elementary School, Walter Payton College Prep High School (2007).
- Science Fair Judge-Lincoln Park High School (2014,2015)
- Chairman-Local School Council, Oscar Mayer Elementary School (2005-2007)
- Judge-City of Chicago Science Fair @ MSI (2006)
- Science Fair Judge-Prescott Elementary School Science Fair (2006) coordinator).
- Judge-CPS Area 6 Science Fair (2005, 2006).
- Consulted with Friends of Chicago River to implement the Rivers Curriculum training for CPS teachers at DePaul (Summer 2005).
- Science Fair Judge-Lincoln Park High School, Oscar Mayer Elementary School; CPS Region 6 Judge (2005).
- Member-Greenhouse/Green Rooftop Committee at Abraham Lincoln Elementary School (2005).
- Research Supervisor-I supervised Eva Feldman and Rebecca Strauss, students in Lincoln Park High School's International Baccalaureate (IB) Program, on their science fair projects (2004).
- Research Supervisor-I supervised Daria Zelasko, a senior at Mother Theodore Guerin High School, on her science fair project (2004).
- Research Supervisor-I supervised Nik Chevas, Mariana Aviles and Ignacio Granjas from Walter Payton College Prep High School in my lab on a water quality monitoring project (2004).
- Science Fair Judge- Lincoln Park High School, Von Steuben High School, and Walter Payton High School science fairs (2004).
- Research Supervisor-I supervised Precious Jackson from Walter Payton College Prep High School in my lab on a wetland water quality project (2002).
- Science Fair Judge-Arai Middle School, St. Margaret Mary Elementary School (1997).
- Collaborated with the not-for-profit group Friends of the Chicago River to develop service/experiential learning projects for my ENV 224 ("Environment of the Chicago River Watershed") class (1997).
- The Newberry Library-Teachers as Scholars Program. I taught a seminar entitled "Chicago: City on the Lake" for in-service CPS teachers. This course focused on the natural history of Chicago, with particular emphasis on the lakefront. I used a variety of maps and photos from the Newberry collection to illustrate the transformation of Chicago's physical environment. The second day of the seminar consisted of an all-day field trip along the lakefront, starting at MSI in Jackson Park and ending at Montrose peninsula (2011-2013).
- Visiting Scholar, Newberry Teachers Consortium (NTC)-NTC. I teach seminars on aspects of Chicago's natural history for CPS and suburban high school teachers (2011-2020).
- SESAME Program (Science and Mathematics Education)-University of Chicago. I taught a course in environmental science for CPS middle-grade science and mathematics teachers seeking Illinois State Science Standards endorsement (Summer 2003 and 2004).

Professional Activities

Journal Editor

- Co-editor-in-Chief (with Dr. Kelly Tzoumis)- *Environmental Practice*. The official journal of the National Association of Environmental Professionals (2008-2015).

Journal Reviewer

- Journal of Great Lakes Research
- Journal of the Soil Science Society of America
- Catena
- Wetlands
- Environmental Monitoring and Assessment

Current Professional Affiliations

- Soil Science Society of America
  - Past Chair – Division of Urban and Anthropogenic Soils (2018)
- Society of Wetland Scientists
- Illinois Association of Environmental Professionals
  - Past President (2000-2001; 2005-2006)
- Soil and Water Conservation Society
- Society of Restoration Ecology

Past Professional Affiliations

- Association for the Advancement of Sustainability in Higher Education
- American Water Resources Association
- National Association of Environmental Professionals
- National Association of Geology Teachers
- National Science Teachers Association

Professional Development

- Teaching and Learning Certificate Program (2017)
- DePaul Public Voices Op-Ed Program (2016)

Awards and Recognition

- College of Science and Health, *Excellence in Teaching Award* (2020)
- *Spirit of DePaul Award* (2018)
- Outstanding contribution by a faculty member for exceptional service to the Chicago Quarter Program (2013)
- DePaul University Honors Program. *Distinguished Faculty Award* in recognition of outstanding teaching in Honors (2013)
- College of Liberal Arts and Sciences, *Excellence in Teaching Award* (2004)
- Nominated for Courtelyou-Lowry Award, College of Liberal Arts and Science (2002)
- Nominated for the Excellence in Teaching Award, College of Liberal Arts and Sciences (1998)
- Editor's Citation for Excellence in Manuscript Review, Soil Science Society of America (1997).