

CV Aimée T. Classen

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Education

- 2004 PhD, Biology, Northern Arizona University, Arizona, USA
1995 BA, Biological Science, Smith College, Massachusetts, USA

Appointments

- 2020- Director, University of Michigan Biological Station, USA
Professor, Ecology & Evolutionary Biology, University of Michigan, USA
Affiliate, Gund Institute for Environment, University of Vermont, USA
- 2016- Adjunct Professor/Honorary Research Associate, Victoria University of Wellington, New Zealand
- 2020-22 Adjunct Professor, Rubenstein School, University of Vermont, USA
- 2018-20 Professor, Rubenstein School, University of Vermont, USA
Director, George D. Aiken Forestry Sciences Laboratory, University of Vermont, USA
Fellow, Gund Institute for Environment, University of Vermont, USA
Adjunct Professor, Department of Biology, University of Vermont, USA
- 2014-20 Faculty, Center for Macroecology, Evolution and Climate, University of Copenhagen, Denmark
- 2017-18 Interim Natural Resources Program Director, Rubenstein School, University of Vermont, USA
Associate Professor, Rubenstein School, University of Vermont, USA
- 2014-18 Associate Professor, Natural History Museum, University of Copenhagen, Denmark
- 2015-22 Adjunct Associate Professor, University of Tennessee, USA
- 2012-15 Associate Professor, Department of Ecology and Evolutionary Biology, University of Tennessee, USA
- 2008-12 Assistant Professor, Department of Ecology and Evolutionary Biology, University of Tennessee, USA
- 2005-08 Staff Scientist, Oak Ridge National Laboratory, Tennessee, USA
- 2005 Postdoctoral Fellow, Oak Ridge National Laboratory, Tennessee, USA

Editorial, Non-profit board, Scientific advisory appointment

- 2022-now Board member, The Earthshot Institute
- 2022-now Editorial Committee member, *Annual Reviews of Ecology, Evolution, and Systematics*
- 2021 Visiting Editorial Committee member, *Annual Reviews of Ecology, Evolution, and Systematics*

- 2018-now The Royal Netherlands Academy of Arts and Sciences, International science advisory board, Netherlands Institute of Ecology (NIOO-KNAW)
- 2016-22 Editor-in-Chief, *Ecological Monographs*
- 2011-22 Editorial board, *Ecology & Ecological Monographs*
- 2021-22 Guest Editorial Committee member, *Annual Reviews of Ecology, Evolution, and Systematics*
- 2016-22 Board of Trustees, Rocky Mountain Biological Laboratory, Colorado, USA
- 2017-18 Guest Editor for a Special Issue, *Functional Ecology*
- 2012-16 Associate Editor-in-Chief, *Ecological Monographs*
Editorial Board, *Ecology Letters*
- 2014-16 Associate Editor, *Journal of Plant Ecology*
- 2012 Guest Editor, *Ecosphere*

Other appointments

- 2017-20 Affiliated Faculty, Quantitative and Evolutionary STEM Training (QuEST) Program, University of Vermont, USA
- 2017-20 Affiliated Faculty, Food Systems Graduate Program, University of Vermont, USA
- 2014-15 Visiting Associate Professor, Hawkesbury Institute for the Environment, University of Western Sydney, Australia
- 2011-14 Faculty, Initiative for Quaternary Paleoclimate Research, University of Tennessee, USA
- 2011-13 Faculty, Bredesen Center for Interdisciplinary Research and Graduate Education, University of Tennessee, USA
- 2009-10 Visiting Assistant Professor, Department of Biology, University of Copenhagen, Denmark
- 2005-08 Research Assistant Professor, University of Tennessee, USA
- 2003-04 American Association of University Women (AAUW) American Fellow
- 1995-99 Middle school science teacher (in CA & MA) and laboratory technician (Stanford University & University of CA, Berkeley)

Leave

Parental leave: Harry 2004 (5/04-1/05) & Finn 2007 (12/07-7/08)

Selected awards

- 2020 Fellow, Ecological Society of America
- 2015 Association for Women Soil Scientists Mentoring Award to recognize individuals (male or female) who have made significant contributions to the education, professional growth, & achievement of females in soil science
- 2014 Promising young scholar, The US National Academy of Sciences, Frontiers in Science

2013	UT Chancellor's Excellence in Teaching Award Nomination & Finalist
2012	UT College of Arts and Sciences Research and Creative Achievement Award Pi Beta Phi teaching award
2011	UT Chancellor's Excellence in Teaching Award Nomination & Finalist UT Chancellor's Excellence in Graduate Advising and Mentoring Award Nomination
2010	UT College of Arts and Sciences Faculty Research Award Nomination
2007	Promising young scholar, The US National Academy of Sciences Frontiers in Science Kavli Foundation Science Fellow Best paper, Soil Science Society of America S-7
2006	US Department of Energy Outstanding Mentor Award
2002-03	Merriam-Powell Center for Environmental Research Graduate Fellow
2003	Best student presentation, honorable mention, Soil Ecology Society Meetings
2002	Best paper, Soil Science Society of America S-7
1995	Sigma Xi Smith College Brown Botany Prize
1991-93	NCAA All-American (swimming)

Research funding

pending funding

2023-28	Collaborative Research: MRA: From leaves to stands: Assessing forest ecosystems integrated multifunctionality at scales relevant to decision making.
2023-28	AccelNet: MICROBENet^Net: Multi-Institute Collaborative Research On plant microBiomEs Network of Networks The US National Science Foundation; 1,999,494 USD (25,032 USD to UMich); Co-PI

current funding

2023-24	Predicting the response of adaptive management on culturally and economically important tribal lands. University of Michigan SEAS Themes Funds. 80,000 USD; Co-PI
2022-24	Assessing Tradeoffs in Forest Resilience to Water and Productivity losses at the Boreal – Temperate Ecotone. McIntire-Stennis, University of Michigan; 150,000 USD, Co-PI
2021-24	The potential for advanced snowmelt timing to decouple plant and mycorrhizal fungal phenology and biogeochemical cycling; The US Department of Energy; 897,998 USD (plus allocation to LBL, total = 999,698 USD); Co-PI
2021-24	Changing climate and biodiversity in mountains: understanding the interactive effects of warming, species extinctions and invasions on ecosystem function; Marsden Fund; Royal Society Te Apārangi; New Zealand; 960000 NZD; Co-PI

- 2021-24 Collaborative Research: Understanding How Students' Sense of Belonging Develops During Undergraduate Field Experiences: Supports, Barriers, and Implications for Faculty; The US National Science Foundation; 68,875 USD; Host PI
- 2020-24 The impact of competition on plant-mycorrhizal associations in a warmer Arctic; The Swedish Scientific Research Council; 4,340,000 SEK; Co-PI
- 2020-25 LTREB: Phenological responsiveness of plants and bees: consequences for species, interactions, community composition and biomass. The US National Science Foundation; 741,187 USD; Co-PI
- 2019-23 RII Track-2 FEC: Leveraging Intelligent Informatics and Smart Data for Improved Understanding of Northern Forest Ecosystem Resiliency (INSPIRES); The US National Science Foundation; 3,000,000 USD; Co-PI
- 2019-24 The State of Carbon in Northeast Forests – creating an Integrated Soil Carbon (iSoC) inventory to explore and understand what drives variation in soil carbon across scales and with management; McIntire-Stennis, University of Vermont; 512,352 USD; Co-PI

prior funding

- 2021 REP supplemental for LTREB: Phenological responsiveness of plants and bees: consequences for species, interactions, community composition and biomass. The US National Science Foundation; 54,570 USD; PI
- 2020–21 Gund Institute Catalyst Award: Low cost & high frequency quantification of soil nutrients in ecosystems undergoing rapid global change; 50,000 USD; PI
- 2020 Exploring soil organic matter dynamics in a warming world using an array of warming experiments and soil models; Environmental Molecular Science Laboratory (EMSL) Exploratory Research proposal; 52,834 USD; PI
- 2019-20 LTREB: Phenological responsiveness of plants and bees: consequences for species, interactions, community composition and productivity; The US National Science Foundation; 171,416 USD; Co-PI
- 2018-20 Functional Ecology of Alpine Systems. Natural Environment Research Council (NERC) UK; a global network; 80,905 GBP; collaborative partner
- 2019 Acquisition of an ICP-OES for a multiuser facility; The United States Department of Agriculture; 49,975 USD; Co-PI
- 2017-19 Gund Institute Catalyst Award: Catalyzing research, scholarship, and teaching in montane systems, Vermont, USA; 46,538 USD; Co-PI
- 2016-18 The Future of Our Taonga Tipu. Ministry of Business Innovation and Employment's Te Pūnaha Hihiko Fund, New Zealand; 100,000 NZD; Co-PI
- 2013-18 Incorporating rhizosphere interactions and soil physical properties into a soil carbon degradation model through experimenting across ecotypes. The Department of Energy Terrestrial Ecosystem Science Program; 988,039 USD; PI
- 2017 Automatic Detection of Arctic Microarthropods (ADAM) Climate Impacts Research Centre (CIRC), Sweden; 50,000 SEK; Co-PI

- 2010-17 Research Coordination Network: Integrated Network for Terrestrial Ecosystem Research on Feedbacks to the Atmosphere and Climate (INTERFACE). The US National Science Foundation; 500,000 USD; Co-PI
- 2015-16 Bog extension: Incorporating rhizosphere interactions and soil physical properties into a soil carbon degradation model through experimenting across ecotypes. The Department of Energy Terrestrial Ecosystem Science Program; 23,105 USD; PI
- 2015 Request for a gas exchange cluster to explore climate change impacts on montane ecosystems around the world; Carlsberg Foundation; 360,000 DKK; PI
- Alpine plant-fungal interactions under shrub encroachment and their role in ecosystem carbon turnover; IK lykkes fond Norway; 20,000 NOK; Co-PI
- 2014-15 Hawkesbury Institute for the Environment Research Exchange Program (inbound). 9,964 AUD; PI
- 2013-15 Applying methods for the study of plant-microbe interactions. Oak Ridge National Laboratory; 44,475 USD; PI
- 2013-14 Initiative for Quaternary Paleoclimate Research. The University of Tennessee; 40,000 USD; Co-PI
- 2013 Incorporating rhizosphere interactions and soil physical properties into a soil carbon degradation model. Joint Directive Research and Development. 55,000 USD; PI
- Technology to improve ecology labs and curriculum at UT. 85,000 USD; Co-PI
- 2012-13 Initiative for Quaternary Paleoclimate Research. The University of Tennessee; 55,000 USD; Co-PI
- Incorporating microbial dynamics that alter soil carbon fluxes into terrestrial carbon cycle models. Joint Directive Research and Development. 47,846 USD; PI
- 2011-12 Assessment of microbial communities associated with wood decomposition. Oak Ridge National Laboratory. 192,298 USD; PI
- Initiative for Quaternary Paleoclimate Research. The University of Tennessee; 51,600 USD; Co-PI
- 2011 Understanding the links among microbial community composition and function and soil processes. Microbiology across Campuses Educational and Research Venture; 10,000 USD; PI
- 2010 Combining molecular biology with ecology to determine the genetic and environmental constraints to primary productivity. Joint Directive Research and Development; 64,940 USD; PI
- Bridging the gaps in soil carbon and nitrogen cycling: microbes as predictors of global climate change? Microbiology across Campuses Educational and Research Venture; 21,315 USD; PI
- Assessment of microbial communities associated with *Populus*. Oak Ridge National Laboratory; 56,113 USD; PI
- 2009 Developing a systems biology approach for linking genetic and environmental constraints to primary productivity – can patterns scale to the field? Joint Directive Research and Development; 63,000 USD; PI

- 2006-09 Community and ecosystem response to global change: interactive effects of atmospheric carbon dioxide, surface temperatures, and soil moisture. The Department of Energy, Program for Ecosystem Research; 1,700,000 USD; PI
- 2006-08 Disentangling soil respiration using genomic techniques. Oak Ridge National Laboratory LDRD; 655,000 USD; PI
- 2008-09 Carbon drivers of the microbe-switchgrass rhizosphere interface. Oak Ridge National Laboratory LDRD; 750,000 USD; Co-PI
- 2007-09 Implications of enhanced fine-root production in the Oak Ridge FACE experiment. The Department of Energy Terrestrial Carbon Program; 1,200,000 USD; Co-PI
- 2006 Does genetic diversity within species influence ecosystem nutrient cycling? Oak Ridge National Laboratory SEED; 20,000 USD; PI
- 2005-06 Responses to elevated CO₂ in a closed canopy deciduous forest. The Department of Energy Terrestrial Carbon Program; 597,444 USD; Co-PI

Peer-reviewed publications

*undergraduate student, **graduate student, +postdoctoral fellow, ^research lab member

note: in ecology, last author (and occasionally second) denotes papers coming from your lab group where you made a significant contribution

- in revision Pastore MA⁺, **Classen AT**, English ME[^], Frey SD, Knorr MA, Rand K[^], Adair EC (in revision) Soil microbial legacies influence freeze-thaw responses of soil. *Functional Ecology*
- Potapov AM, CA Guerra, J van den Hoogen, A Babenko, BC Bellini, MP Berg, SL Chown, L Deharveng, L Kováč, NA Kuznetsova, J Ponge, MB Potapov, DJ Russell, D Alexandre, JM Alatalo, JI Arbea, I Bandyopadhyay, V Bernava, S Bokhorst, T Bolger, G Castaño-Meneses, M Chauvat, T-W Chen, M Chomel, **AT Classen**, J Cortet, P Čuchta, A Manuela de la Pedrosa, SSD Ferreira, C Fiera, J Filser, O Franken, S Fujii, EG Koudji, M Gao, B Gendreau-Berthiaume, DF Gomez-Pamies, M Greve, IT Handa, C Heiniger, M Holmstrup, P Homet, M Ivask, C Janion-Scheepers, M Jochum, S Joimel, BCS Jorge, E Jucevica, L Carlos Iuñes de Oliveira Filho, O Klauberg-Filho, D Baretta, EJ Krab, A Kuu, ECA de Lima, D Lin, A Liu, J Lu, MJ Luciañez, MT Marx, MM McCary, MA Minor, T Nakamori, I Negri, R Ochoa-Hueso, JG Palacios-Vargas, MM Pollierer, P Querner, N Raschmanová, Muhammad Imtiaz Rashid, LJ Raymond-Léonard, L Rousseau, RA Saifutdinov, S Salmon, EJ Sayer, N Scheunemann, C Scholz, J Seeber, YB Shveenkova, SK Stebaeva, M Sterzynska, X Sun, WI Susanti, AA Taskaeva, MP Thakur, MA Tsiafouli, MS Turnbull, MN Twala, AV Uvarov, LA Venier, LA Widenfalk, BR Winck, D Winkler, D Wu, Z Xie, R Yin, D Zeppelini, TW Crowther, N Eisenhauer, S Scheu (in revision). Global mismatches in density, diversity, and metabolism of soil microarthropods. *Nature Communications*
- in review Jing X, **Classen AT**, Li D, Lin L, Mingzhen L, Sanders NJ, Wang Y, Feng W (in prep) The overlooked third dimension: soil depth drives microbial community structure and function along a salinity gradient. *ISME*
- Noel A^{**}, D'Amato A, Woodall C, Domke G, Paquette A, **Classen AT**, Adair EC (in review) Forest floor and soil carbon pools are uncoupled in temperate forests. *Ecological Monographs*

Rewcastle KE**, Prager CM+, Rand K*, Ricketts T, Sanders NJ, **Classen AT** (in review) Warming reduces the quality of livestock forage resources and rangeland economic returns. *Ecosphere*

Smith et al. (in review) Global links between soil microbes and soil function. *Nature*

Yancy CE*, Juice SM**, **Classen AT**, Rustad L, Adair EC (in review) The impact of ice storms on mycorrhizal fungi varies by season and mycorrhizal type in a hardwood forest. *Ecosphere*

2022

Barrios-Garcia MN, Gonzalez-Polo M, Simberloff D, **Classen AT** (2022) Wild boar activity impacts soil function, but that impact varies by plant community. *Biological Invasions*. <https://doi.org/10.1007/s10530-022-02936-x>

Jing X+, Prager CM+, Chen L, Chu H, Gotelli NJ, He JS, She Y, Yang T, Zhu B, **Classen AT**, Sanders NJ (2022) The influence of aboveground and belowground species composition on spatial turnover in nutrient pools in alpine grasslands. *Global Ecology & Biogeography* 31:486-500. DOI: 10.1111/geb.13442

Koltz AM, Civitello D, Becker D, Deem SL, **Classen AT**, Barton BT, Brenn-White M, Johnson ZE, Kutz S, Malishev M, Preston D, Vannatta JT, Penczykowski RM, Ezenwa V (2022) Sublethal effects of parasitism on ruminants can have cascading consequences for ecosystems. *Proceedings of the National Academies of the Sciences* 119, e2117381119.

Pastore MA+, **Classen AT**, D'Amato AW, Foster JR, Adair EC (2022) Cold air pools as microrefugia for ecosystem functions in the face of climate change. *Ecology* DOI: 10.1002/ecy.3717

Prager CM+, **Classen AT**, Sundqvist MK, Barrios-Garcia MN, Cameron EK, Chen L, Chisholm C, Crowter T, Deslippe JR, Grigulis K, He JS, Henning J, Hoenden M, Hoyer TT, Jing X+, Lavorel S, McLaren JR, Metcalfe DB, Newman G^, Rixen C, Read QD, Rewcastle KE**, Rodriguez-Cabal MA, Wardle DA, Wipf S, Sanders NJ (2022) Integrating natural gradients, experiments, and statistical modelling in a distributed network experiment: An example from the WaRM Network. *Ecology & Evolution* DOI: 10.1002/ece3.9396

Rewcastle KE**, Henning JA**, Read QD**, Irwin R, Sanders NJ, **Classen AT** (2022) Plant removal across an elevational gradient marginally reduces rates, substantially reduces variation in mineralization. *Ecology* 103(1):e03546. DOI: 10.1002/ecy.3546

Santangelo, J. S., R. W. Ness, B. Cohan, C. R. Fitzpatrick, S. G. Innes, S. Koch, L. S. Miles, S. Munim, P. R. Peres-Neto, C. Prashad, A. T. Tong, W. E. Aguirre, P. O. Akinwole, M. Alberti, J. Álvarez, J. T. Anderson, J. J. Anderson, Y. Ando, N. R. Andrew, F. Angeoletto, D. N. Anstett, J. Anstett, F. Aoki-Gonçalves, A. Z. A. Arietta, M. T. K. Arroyo, E. J. Austen, F. Baena-Díaz, C. A. Barker, H. A. Baylis, J. M. Beliz, A. Benitez-Mora, D. Bickford, G. Biedebach, G. S. Blackburn, M. M. A. Boehm, S. P. Bonser, D. Bonte, J. R. Bragger, C. Branquinho, K. I. Brans, J. C. Bresciano, P. D. Brom, A. Bucharova, B. Burt, J. F. Cahill, K. D. Campbell, E. J. Carlen, D. Carmona, M. C. Castellanos, G. Centenaro, I. Chalen, J. A. Chaves, M. Chávez-Pesqueira, X.-Y. Chen, A. M. Chilton, K. M. Chomiak, D. F. Cisneros-Heredia, I. K. Cisse, **A. T. Classen**, M. S. Comerford, C. C. Fradinger, H. Corney, A. J. Crawford, K. M. Crawford, M. Dahirel, S. David, R. D. Haan, N. J. Deacon, C. Dean, E. del-Val, E. K. Deligiannis, D. Denney, M. A. Dettlaff, M. F. DiLeo, Y.-Y. Ding, M. E. Domínguez-

López, D. M. Dominoni, S. L. Draud, K. Dyson, J. Ellers, C. I. Espinosa, L. Essi, M. Falahati-Anbaran, J. C. F. Falcão, H. T. Fargo, M. D. E. Fellowes, R. M. Fitzpatrick, L. E. Flaherty, P. J. Flood, M. F. Flores, J. Fornoni, A. G. Foster, C. J. Frost, T. L. Fuentes, J. R. Fulkerson, E. Gagnon, F. Garbsch, C. J. Garroway, A. C. Gerstein, M. M. Giasson, E. B. Girdler, S. Gkelis, W. Godsoe, A. M. Golemiac, M. Golemiac, C. González-Lagos, A. J. Gorton, K. M. Gotanda, G. Granath, S. Greiner, J. S. Griffiths, F. Grilo, P. E. Gundel, B. Hamilton, J. M. Hardin, T. He, S. B. Heard, A. F. Henriques, M. Hernández-Poveda, M. C. Hetherington-Rauth, S. J. Hill, D. F. Hochuli, K. A. Hodgins, G. R. Hood, G. R. Hopkins, K. A. Hovanes, A. R. Howard, S. C. Hubbard, C. N. Ibarra-Cerdeña, C. Iñiguez-Armijos, P. Jara-Arancio, B. J. M. Jarrett, M. Jeannot, V. Jiménez-Lobato, M. Johnson, O. Johnson, P. P. Johnson, R. Johnson, M. P. Josephson, M. C. Jung, M. G. Just, A. Kahilainen, O. S. Kailing, E. Kariño-Betancourt, R. Karousou, L. A. Kirn, A. Kirschbaum, A.-L. Laine, J. M. LaMontagne, C. Lampei, C. Lara, E. L. Larson, A. Lázaro-Lobo, J. H. Le, D. S. Leandro, C. Lee, Y. Lei, C. A. León, M. E. L. Tamara, D. C. Levesque, W.-J. Liao, M. Ljubotina, H. Locke, M. T. Lockett, T. C. Longo, J. T. Lundholm, T. MacGillavry, C. R. Mackin, A. R. Mahmoud, I. A. Manju, J. Mariën, D. N. Martínez, M. Martínez-Bartolomé, E. K. Meineke, W. Mendoza-Arroyo, T. J. S. Merritt, L. E. L. Merritt, G. Migiani, E. S. Minor, N. Mitchell, M. M. Bazargani, A. T. Moles, J. D. Monk, C. M. Moore, P. A. Morales-Morales, B. T. Moyers, M. Muñoz-Rojas, J. Munshi-South, S. M. Murphy, M. M. Murúa, M. Neila, O. Nikolaidis, I. Njunjić, P. Nosko, J. Núñez-Farfán, T. Ohgushi, K. M. Olsen, Ø. H. Opedal, C. Ornelas, A. L. Parachnowitsch, A. S. Paratore, A. M. Parody-Merino, J. Paule, O. S. Paulo, J. C. Pena, V. W. Pfeiffer, P. Pinho, A. Piot, I. M. Porth, N. Poulos, A. Puentes, J. Qu, E. Quintero-Vallejo, S. M. Raciti, J. A. M. Raeymaekers, K. M. Raveala, D. J. Rennison, M. C. Ribeiro, J. L. Richardson, G. Rivas-Torres, B. J. Rivera, A. B. Roddy, E. Rodríguez-Muñoz, J. R. Román, L. S. Rossi, J. K. Rowntree, T. J. Ryan, S. Salinas, N. J. Sanders, L. Y. Santiago-Rosario, A. M. Savage, J. F. Scheepens, M. Schilthuizen, A. C. Schneider, T. Scholier, J. L. Scott, S. A. Shaheed, R. P. Shefferson, C. A. Shepard, J. A. Shykoff, G. Silveira, A. D. Smith, L. Solis-Gabriel, A. Soro, K. V. Spellman, K. S. Whitney, I. Starke-Ottich, J. G. Stephan, J. D. Stephens, J. Szulc, M. Szulkin, A. J. M. Tack, Í. Tamburrino, T. D. Tate, E. Tergemina, P. Theodorou, K. A. Thompson, C. G. Threlfall, R. M. Tinghitella, L. Toledo-Chelala, X. Tong, L. Uroy, S. Utsumi, M. L. Vandegehuchte, A. VanWallendael, P. M. Vidal, S. M. Wadgyman, A.-Y. Wang, N. Wang, M. L. Warbrick, K. D. Whitney, M. Wiesmeier, J. T. Wiles, J. Wu, Z. A. Xirocostas, Z. Yan, J. Yao, J. B. Yoder, O. Yoshida, J. Zhang, Z. Zhao, C. D. Ziter, M. P. Zuellig, R. A. Zufall, J. E. Zurita, S. E. Zytynska, and M. T. J. Johnson. 2022. Global urban environmental change drives adaptation in white clover. *Science* 375:1275-1281.

Seybold E, Dwivedi R, Musselman K, Kincaid D, Schroth A, Perdrial J, **Classen AT**, Adair EC (2022) Winter runoff events pose an unquantified continental-scale risk of high wintertime nutrient export. *Environmental Research Letters* 17: 104044

Zanne AE, H Flores-Moreno, J Powell, W Cornwell, J Dalling, A Austin, **AT Classen**, P Eggleton, K Okada, C Parr, E Adair, S Adu-Bredu, M Azharul Alam, C Alvarez-Garzón, D Apgaua, R Aragón, M Ardón, S Arndt, L Ashton, N Barber, J Beauchene, M Berg, J Beringer, M Boer, J Bonet, K Bunney, T Burkhardt, D de Carvalho, D Castillo-Figueroa, L Cernusak, A Cheesman, T Cirne-Silva, J Cleverly, JHC Cornelissen, T Curran, A D'Angioli, C Dallstream, N Eisenhauer, F Evouna Ondo, A Fajardo, R Fernandez, A Ferrer, M Fontes, M Galatowitsch, G González, F Gottschall, P Grace, E Granda, H Griffiths, M Lara, M Hasegawa, M Hefting, N

Hinko-Najera, L Hutley, J Jones, A Kahl, M Karan, J Keuskamp, T Lardner, M Liddell, Craig Macfarlane, C Macinnis-Ng, R Mariano, M MGéndez, W Meyer, A Mori, A Souza de Moura, M Northwood, R Ogaya, R Oliveira, A Orgiazzi, J Pardo, G Peguero, J Penuelas, L Perez, J Posada, Cecilia M Prada, T Přívětivý, S Prober, J Prunier, G Quansah, V Resco de Dios, R Richter, M Robertson, L F Rocha, M A. Rúa, C Sarmiento, R Silberstein, M Silva, F Siqueira, M Stillwagon, J Stol, M Taylor, F Teste, D Tng, D Tucker, M Türke, M Ulyshen, O Valverde-Barrantes, E van den Berg, R van Logtestijn, G Veen, J Vogel, T Wardlaw, G Wiehl, C Wirth, M Woods, P Zalamea. 2022. Termite sensitivity to temperature affects global wood decay rates. *Science* 377: 1440-1444. DOI: 10.1126/science.abo3856

2021 Ezenwa V, Civitello D, **Classen AT**, Barton BT, Becker D, Brenn-White M, Deem SL, Johnson ZE, Kutz S, Malishev M, Penczykowski RM, Preston D, Vannatta JT, Koltz AM (2021) Response to Charlier et al. Climate-disease feedbacks mediated by livestock are plausible. *Trends in Ecology & Evolution* 36(7):578-579 10.1016/j.tree.2021.04.00

Jing X⁺, Prager CM⁺, Borer ET, Gotelli NJ, Gruner DS, He JS, Kirkman K, MacDougall AS, McCulley RL, Prober SM, Seabloom EW, Stevens CJ, **Classen AT**, Sanders NJ (2021) Spatial turnover of multiple ecosystem functions is more associated with plant than soil microbial β -diversity. *Ecosphere* 12(7):e03644. 10.1002/ecs2.3644

Meisner A⁺, Snoek BL, Nesme J, Dent E^{**}, Jaquoid S, **Classen AT**, Prime A (2021) Soil microbial legacies differ following drying-rewetting and freezing-thawing cycles. *ISME* 15:1207–1221 10.1038/s41396-020-00844-3

Prager CM⁺, Jing X⁺, Henning JA^{**}, Read QD^{**}, Meidl P^{*}, Lavorel S, Sanders NJ, Sundqvist M, Wardle D, **Classen AT** (2021) Climate and multiple dimensions of plant diversity regulate ecosystem carbon exchange along an elevational gradient. *Ecosphere* 12(4):e03472. 10.1002/ecs2.3472

2020 Bennett AE and **Classen AT** (2020) Climate change influences mycorrhizal fungal-plant interactions, but conclusions are limited by geographical study bias. *Ecology* 101(4): e202978.

Brunbherg AK^{**}, Bruun HH, Darby L, **Classen AT**, Fløgaard C, Frøslev TG, Hansen OLP, Høye T, Moeslund JE, Svenning JC, Ejrnæs R (2020) Multi-taxon inventory reveals highly consistent biodiversity responses to ecospace variation. *OIKOS* 129: 1381-1392. DOI: 10.1111/oik.07145

Ezenwa V, Civitello D, Barton BT, Becker D, Brenn-White M, **Classen AT**, Deem SL, Johnson ZE, Kutz S, Malishev M, Penczykowski RM, Preston D, Vannatta JT, Koltz AM (2020) Infectious diseases, livestock and climate: a vicious cycle? *Trends in Ecology & Evolution* 10.1016/j.tree.2020.08.012

Giejsztowt J^{**}, **Classen AT**, Deslippe JR (2020) Climate change and invasion may synergistically affect native plant reproduction. *Ecology* 101(1): e02913.

Jing X⁺, Prager CM⁺, **Classen AT**, Maestre FT, He JS, Sanders NJ (2020) Variation in the methods leads to variation in the interpretation of biodiversity-ecosystem multifunctionality relationships. *Journal of Plant Ecology* 13(4): 431-441.

Moore JAM**, Sulman BN+, Mayes MA, Patterson CM, **Classen AT** (2020) Plant roots stimulate the decomposition of complex, but not simple, soil carbon. *Functional Ecology* 34(4): 899-910.

Rewcastle KE*, Moore JAM**, Henning JA**, Mayes MA, Patterson CM, Wang G, Metcalfe DB, **Classen AT** (2019) Investigating drivers of microbial activity and respiration in a forested bog. *Pedosphere* 30(1):135-145.

Shen C, Gunina A, Luo Y, Wang J, He JZ, Kuzyakov Y, Hemp A, **Classen AT**, Ge Y (2020) Contrasting patterns and drivers of bacterial and fungal diversity across a mountain gradient. *Environmental Microbiology* 22(8): 3287-3301.

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- 2009 Antoninka A^{**}, Wolf JE, Bowker M, **Classen AT**, Johnson NC (2009) Linking above and belowground responses to global change at community and ecosystem scales. *Global Change Biology* 15:914-929.
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- Crutsinger GM^{**}, Reynolds WN^{**}, **Classen AT**, Sanders NJ (2008) Disparate effects of plant genotypic diversity on foliage and litter arthropod communities. *Oecologia* 158:65-75.
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- Knapp AK, Beier C, Briske DD, **Classen AT**, Lou Y, Reichstein M, Smith MD, Smith SD, Bell JE, Fay PA, Heisler JL, Leavitt SW, Sherry R, Smith B, Weng E (2008) Consequences of more extreme precipitation regimes for terrestrial ecosystems. *BioScience* 58:811-821.
- 2007 **Classen AT**, Chapman SK, Whitham TG, Hart SC, Koch GW (2007) Genetic-based plant resistance and susceptibility traits to herbivory influence needle and root litter nutrient dynamics. *Journal of Ecology* 95:1181-1194.
- Classen AT**, Overby ST, Hart SC, Koch GW, Whitham TG (2007) Season mediates herbivore effects on litter and soil microbial abundance and activity in a semi-arid woodland. *Plant and Soil* 295:217-227.
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- Classen AT**, Langley JA (2005) Data-model integration is not magic. *New Phytologist* 166:367-369.
- Hart SC, **Classen AT**, Wright RJ (2005) Long-term interval burning alters fine root and mycorrhizal dynamics in a ponderosa pine forest. *Journal of Applied Ecology* 42:752-761.
- 2003 **Classen AT**, Boyle SI, Haskins KE, Overby ST, Hart SC (2003) Community-level physiological profiles of bacteria and fungi: plate type and incubation temperature influences on contrasting soils. *FEMS Microbiological Ecology* 44:319-328.
- Hart SC, **Classen AT** (2003) Potential for assessing long-term dynamics in soil nitrogen availability from variations in $\delta^{15}\text{N}$ of tree rings. *Isotopes in Environmental and Health Studies* 39:15-28.

Other publications

- 2019 **Classen AT**, Inouye BD (2019) Editorial. *Ecological Monographs* 89 (1):1.
- 2018 **Classen AT** (2018) Taking on the intimidating task of mycorrhizal biogeography (Book Review: *Biogeography of Mycorrhizal Symbiosis* by Leho Tedersoo). *Frontiers of Biogeography* 10.1-2, e39077.
- Classen AT**, Inouye BD (2018) Editorial. *Ecological Monographs* 88(1):3.
- Niu S, **Classen AT**, Luo Y (2018) Functional traits along a transect. *Functional Ecology* 32:4-9.
- 2017 **Classen AT**, Inouye BD (2017) Editorial. *Ecological Monographs* 87(1):3.
- 2016 **Classen AT** (2016) Editorial. *Ecological Monographs* 86(1):2-3.
- 2015 Ellison AM, **Classen AT** (2015) Editorial. *Ecological Monographs* 85(1):1-2.
- 2014 Dukes JS, **Classen AT**, Wan S, Langley JA (2014) Using results from global change experiments to inform land model development and calibration. *New Phytologist* 204:3.
- Ellison AM, **Classen AT**, Baldwin JD (2014) Editorial. *Ecological Monographs* 84:1-2.
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- 2011 **Classen AT** (2011) Aboveground-belowground interactions in a changing world (Book review: Aboveground-belowground linkages: biotic interactions, ecosystem processes, and global change). Richard D. Bardgett and David A. Wardle. *Ecology* 92:1189-1190.

- 2008 Hanson PJ, **Classen AT**, Kueppers L, Luo Y, McDowell NG, Morris J, Rogers A, Thorton P, Ceulemans R, Dukes J, Goulden M, Jackson R, Knapp A, Kirschbaum M, Lewin K, MacCracken M, Melillo J, Ringler T (2008) Ecosystem research: Understanding climate change impacts on ecosystems and feedbacks to the physical climate. Report of the workshop on “Exploring Science Needs for the Next Generation of Climate Change and Elevated CO₂ Experiments in Terrestrial Ecosystems” The Department of Energy.
- 2007 Schadt CW, **Classen AT** (2007) Book review: Soil Microbiology, Ecology, and Biochemistry. Eldor A. Paul, editor. *Soil Science Society of America Journal* 71:1420.
- 2006 **Classen AT** (2006) Will herbivore range expansions exacerbate the effects of global climate change on soil microclimate? *CSA News* 51:1.

contributed reports:

- 2014 Pett-Ridge et al. (2014) Research for Sustainable Bioenergy Workshop: Linking genomic and ecosystem sciences. Workshop report. The US Department of Energy.

Teaching

- 2022-23 Senior capstone class (BS)
- 2022 EEB 300 Undergraduate Research (BS)
- 2020 Junior/ Senior seminar (BA/BS)
- 2018-20 Ecosystem Ecology (BA/BS/MS/PhD)
- 2019-20 Research in Ecology (BA/BS)
- 2017-20 Ecology, Ecosystems, and Environment (BA/BS)
- 2015-16 Climate change and biodiversity (co-taught, MS/BS)
Climate change (co-taught, MS)
- 2014-15 Plant-herbivore interactions (co-taught, MS)
Nature management (co-taught, MS)
- 2010-14 Ecosystem ecology laboratory (BS)
- 2009-14 General ecology (BS)
- 2008-14 Ecosystem ecology (BS)
Ecology & global change seminar (BS)
Graduate Independent study (MS/PhD)
Undergraduate research (BS)
Undergraduate independent study (BS)
- 2010-13 Advanced ecology (co-taught, MS/PhD)
- 2005-14 Ecology & evolutionary biology seminar (MS/PhD)
Mycorrhizal ecology (BS)
Graduate seminar on writing (MS/PhD)
- 2009-10 Science Education, Reading & Discussion seminar (PhD)

2008-14 Undergraduate independent study (BS)
 2011 Advanced ecosystem ecology (BS)
 2008-09 Introduction to faculty research (MS/PhD)

International & external courses

2019 Microbiomes and Global Change. University of California, Irvine USA (PhD, postdoc)
 2016 Climate Change Impacts Adaptation and Mitigation, University of Copenhagen (co-taught, MS)
 Soil Ecology and Planetary Boundaries, Wageningen University (PhD)

2015 Science writing and editing, Aarhus University (MS/PhD)
 Communicating science, Estonian University of Life Sciences (MS/PhD)

2014 Communicating science, Hunan, China (MS/PhD)

2013 Global change and biogeography, Peking University, China (MS/PhD)
 Coupled natural and human systems in a changing world, Costa Rica (Honors, BA)

Selected invited talks or seminars

2022 Evolution, Climate Change and Infectious Disease Symposia, University of Michigan, USA
 Université de Montréal, 100th anniversary seminar series, Canada
 Michigan State, USA
 Kellogg Biological Station, USA
 Cornell University, USA
 Michigan Ecology and Evolutionary Biology Society (MEEBS) of undergraduates, University of Michigan, USA (x2)
 Ohio State University, USA

2021 Stoichiometry in Symbiosis Workshop, Ohio State University, USA

2020 American Geophysical Union, USA
 Jack and Pat Bryan Distinguished Lecture keynote, Syracuse University, USA
 American Society for Microbiology (ASM, *plenary speaker*), USA (postponed)
 University of Houston, USA (postponed)
 Cornell University, USA (postponed)

2019 University of Michigan, EEB, USA
 University of Michigan, SEAS, USA
 Texas Tech University, USA
 University of Lincoln, Lincoln, UK

Holden Arboretum, Cleveland, USA
 McGill University, Montreal, Canada

2018 Concordia University, Canada
 American Society for Microbiology (ASM, *plenary speaker*), USA
 Harvard Forest, Harvard University, USA
 The University of Vermont, Department of Biology, USA
 The University of Michigan, USA

2017 INIBIOMA, CONICET, Universidad Nacional del Comahue, Argentina
 The Vermont Agency of Natural Resources, USA
 Smith College, USA
 The 2nd Global Soil Biodiversity Conference (*keynote*), China
 The University of New Hampshire, USA
 The University of Minnesota, USA
 The US Department of Energy TES/SBR meeting (*keynote*) USA
 Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden
 The University of Vermont, Plant and Soil Sciences Department, USA
 Doñana Biological Station, Sevilla, Spain
 The Gund Institute, The University of Vermont, USA
 The University of Vermont, Plant Biology Department, USA
 The University of Massachusetts, Department of Microbiology, USA

2016 The University of Vermont, Rubinstein School of the Environment, USA
 New Mexico State University, Department of Plant Sciences, USA
 Jornada Long Term Ecological Research Station (ARS), USA
 German Centre for Integrative Biodiversity Research (iDiv), Germany

2015 University of Notre Dame, Department of Biology, USA
 Natural History Museum of Denmark “Science Gala, Vin & Videnskab”, Denmark
 Dartmouth College, Department of Biology, USA
 The Villum Foundation, Denmark
 Estonian University of Life Sciences, Estonia
 Danish Oikos meetings (*keynote*), Denmark
 Ecological Society of America meeting Organized Oral Session, USA
 Global Network of Long-term Observatories on Mountain Social-Ecological Systems, USA

2014 Henan University, China

University of Copenhagen, Terrestrial Ecology, Denmark
 Rocky Mountain Biological Laboratory, USA
 “Geek Week” Crested Butte Colorado Science Festival, USA
 Rocky Mountain Biological Laboratory science series, USA
 Ecological Society of America Meetings Organized Oral Session, USA
 Natural History Museum of Denmark, Evolutionary Genomics Section, Denmark
 Center for Macroecology, Evolution and Climate (CMEC), Denmark
 British Ecological Society (*keynote*) Conference on Carbon, UK
 Lund University, Sweden

2013
 Institute of Botany, Chinese Academy of Sciences, China
 Institute of Geographic Sciences & Natural Resources Research, CAS, China
 German Academic Exchange Service & the Alexander von Humboldt Foundation
 webinar, Germany
 Umeå University, Department of Biology, Sweden
 University of Alberta, Canada
 German Centre for Integrative Biodiversity Research (iDiv), Germany

2012
 American Geophysical Union Symposia, USA
 Indiana University, USA
 Peking University, China
 Swedish University of Agricultural Sciences (SLU), Umeå, Sweden
 Boise State University, Department of Biology, USA
 University of New Mexico, Department of Biology, USA
 University of British Columbia, Canada
 “Geek Week”, Crested Butte Colorado Science Festival, USA

2011
 Imperial College London, Silwood Park, UK
 University of College London, UK
 Developing International Geoarchaeology Conference, Tennessee, USA
 The Ecological Society of America, Symposia, USA
 University of Kentucky, USA
 Scottish Crop Research Institute (SCRI), Scotland

2010
 The Ecological Society of America meeting, Organized Oral Session, USA
 University of Copenhagen, Department of Biology, Denmark
 Netherlands Instituut voor Ecologie (NIOO-KNAW), The Netherlands
 University of Copenhagen, Ecology & Evolutionary Biology, Denmark

- The Naturalist Club of Tennessee, USA
- 2009 Department of Energy, Program for Ecosystem Research, USA
Maryland American Association of University Women Conference, USA
University of North Carolina, Asheville, USA
Center for Macroecology and Evolution, Denmark
Alabama A&M University, USA
League of Women Voters Knoxville, Tennessee, USA
- 2006-08 Cornell University, USA
Department of Energy, Biological & Environmental Research, Global Change Education, USA
University of Tennessee, Knoxville, USA
Appalachian State University, USA
Ecological Society of America symposia, USA
Department of Energy, Program for Ecosystem Research, USA
EPRECOT workshop on precipitation, Denmark
Harvard Forest, Harvard University, USA
- 2002-04 University of Notre Dame, USA
Oak Ridge National Laboratory, USA
Humboldt State University, USA
Redwood Sciences Laboratory, US Forest Service, USA

Selected invited or organized workshops

- 2022 Biotic modulators of plant community resistance and resilience to global changes – Synthesis of the current knowledge and future directions. University Oulu, Finland
- 2021 Stoichiometry in Symbiosis Workshop, Ohio State University, USA
- 2020 Tipping the Scales: Strategy And Tactics For Successful Manuscript Submissions, ESA Annual Meeting, USA co-organizer with Nicolas Gotelli
Creating a framework to interpret and model plant and mycorrhizal fungal traits at the global scale, NIMBioS, University of Tennessee, USA
- 2019 The Living Earth Collaborative Parasite workgroup, Washington University, Missouri, USA
- 2018 The Living Earth Collaborative workgroup, Washington University, Missouri, USA
WaRM Warming and species Removals in Mountains workshop, Vermont, USA
Enhancing Long-Term Soil Carbon Sequestration by Ectomycorrhizal Fungi, University of Michigan, Michigan, USA
- 2017 INTERFACE Microbial Carbon Cycling workshop, Vermont, USA
- 2016 WaRM Warming and species Removals in Mountains workshop, Denmark

- INTERFACE-Climani workshop on tipping points, Italy
- ClimFun Fungal Communities under global change symposia, Denmark
- Frontiers in terrestrial climate feedbacks workshop, INTERFACE, USA
- 2015 Climate models revisited – mycorrhizal dynamics, Royal Netherlands Academy, The Netherlands
- Tropical Plant Collections: Legacies from the past?, Royal Danish Academy of Sciences, Denmark
- Ecological Society of America Organized Oral Session, USA
- American Geophysical Union, Symposia on data-model fusion, USA
- Global Network of Long-term Observatories on Mountain Social Ecological Systems, USA
- 2014 Using results from global change experiments to inform land model development, China
- The National Academy of Sciences Frontiers of Science and Engineering program, Brazil
- Biodiversity and forest management workshop, University of Copenhagen, Denmark
- 2013 The Department of Energy's workshop on Research for Sustainable Bioenergy, USA
- Scaling across space and time, Czech Republic
- 2012 Understanding Biodiversity and Climate Change, German Academic Exchange Service, Germany
- National Socio-Environmental Synthesis Center (SESYNC), workshop, University of Michigan, USA
- 2011 Nutrient constraints on the net carbon balance, Iceland
- How Do We Improve Earth System Models?, USA
- National Institute for Mathematical and Biological Synthesis – linking plants and soil, USA
- 2010 Oak Ridge National Laboratory, Laboratory Directed Research and Development Initiative, USA
- 2009 Department of Energy & National Science Foundation, long-term global change experiments, USA
- Optimizing soil process representations in climate models. Oak Ridge, Tennessee, USA
- 2008 Department of Energy, The Next Generation of Climatic Change Experiments, USA
- NSF ADVANCE, Women Evolving Biological Sciences (WEBS), USA
- 2006 National Academy of Science, Kavli Frontiers of Science, USA
- Ecological Society of America Symposia, data-model integration, USA
- Effects of precipitation change on terrestrial ecosystems, Denmark
- How to succeed in ecology, Ecological Society of America, USA

2005 Terrestrial Ecosystem Response to Atmosphere and Climate Change, USA
European Geophysical Union, symposia on neutrons in science, Austria

Selected national/international grants & awards to advisees

2022 US National Science Foundation GRFP honorable mention (O. Vought, PhD)

2020 US National Science Foundation GRFP fellowship (E. O'Brien, MS)

2018 Gund Institute Postdoctoral Fellowship (E. Meineke, declined)

2017 US National Science Foundation GRFP fellowship (K. Rewcastle, BS)
US National Science Foundation GRFP fellowship (K. Connell, BS)
US NSF post-doctoral fellowship (E. Meineke)

2016 Marie Currie Postdoctoral grant (D. Hewins, declined)
Fulbright scholar (K. Rewcastle, BS)
Yates Fellowship (J. Moore, PhD)

2015 US National Science Foundation GRFP fellowship (A. Pheningworth, BS)
Fulbright scholar honorable mention (K. Rewcastle, BS)

2014 US National Science Foundation GROW fellowship (L. Moorhead, PhD)
US National Science Foundation EAPSI fellowship (J. Henning, PhD)
Sigma Xi grant in aid of research (K. Rewcastle, BS)

2013 Sigma Xi grant in aid of research (S. Wood, BS)
US National Science Foundation GRFP fellowship (L. Breza, BS)

2012 Department of Energy Marvin L. Wesely Award (M. Cregger, PhD)
US National Science Foundation GRFP fellowship (L. Moorhead, PhD)

2011 American Association of University Women American fellow (L. Souza, post-doc)
US National Science Foundation GRFP honorable mention (J. Moore, PhD)

2010 US National Science Foundation GRFP honorable mention (J. Moore, PhD)

2008 US Department of Defense SMART fellowship (M. Cregger, PhD, declined)
Department of Energy Marvin L. Wesely Award (C. Iversen, PhD)
US Department of Energy GREF fellowship (M. Cregger, PhD)

2007 US National Science Foundation Dissertation Improvement Grant (C. Iversen, PhD)
US National Science Foundation GRFP fellowship (E. Austin, PhD)

2006 US Department of Energy GREF fellowship (C. Iversen, PhD)
US National Science Foundation GRFP honorable mention (E. Austin, BS)

Current graduate students

2022- Brenda Hernández, MS, University of Michigan, USA
2021- Olivia Vought, PhD, University of Michigan, USA

- 2021- Indira León, PhD, Victoria University of Wellington, NZ, co-advised with Julie Deslippe
- 2021- Sorrel Hartford, MS, University of Michigan, USA
- 2020- Elizabeth O'Brien, MS, University of Michigan, USA
- 2020- Jim Den Uyl, PhD, Victoria University of Wellington, NZ, advised with Julie Deslippe
- 2020- Paulina Murray, PhD, UVM, USA, advised with Carol Adair & Tony D'Amato

Prior graduate students

- 2021 Kenna Rewcastle, PhD, University of Vermont, USA
- 2019 Justyna Giejstowt, PhD Victoria University of Wellington, NZ, advised with Julie Deslippe
- 2018 Emily Piche, MS University of Vermont, USA
- 2017 Ji "Sonamkyi" Suonan, PhD Peking University, China, advised with Jin-Sheng He
- 2017 Jeremiah Henning, PhD University of Tennessee, USA
- 2017 Leigh Moorhead, PhD University of Tennessee, USA
- 2017 Elizabeth Dent, MS, University of Copenhagen, Denmark
- 2016 Jessica Moore, PhD University of Tennessee, USA
- 2015 Aurelija Petkevičienė, MS University of Copenhagen, Denmark
- 2013 Emily Austin, PhD University of Tennessee, USA
- 2012 Melissa Cregger, PhD University of Tennessee, USA
- 2008 Colleen Iversen, PhD University of Tennessee, USA

External examiner, external committee member & student lab rotations

- 2022-now McKenzie Smith, PhD, Tulane, New Orleans, USA
- 2022-now Barryette Oberholzer, PhD, SLU, Umeå, Sweden
- 2022-now Kohsuke Tanigawa, PhD, SLU, Umeå, Sweden
- 2020-now Sydne Spinella, MS University of Texas El Paso, USA
- 2019-now Evan Perkowski, PhD Texas Tech University, USA
- 2018-20 Fiona Jevon, PhD Dartmouth College, USA
- 2020 Julia Kemppinen, PhD University of Helsinki, Finland
- 2017 Pernilla Borgström, PhD Swedish University of Agricultural Sciences, Sweden
- 2017 Kirk Barnett, PhD Western Sydney University, Australia
- 2016 Gesche Blume-Werry, PhD Umeå University, Sweden
- Nathaly Guerrero Ramirez, PhD iDiv, Germany
- 2014 Anna Stern Gren, PhD Lund University, Sweden
- 2013 Erin Cameron, PhD University of Alberta, Canada

2009 Christopher Habeck, PhD University of Wisconsin, USA
2008 Shannon Pelini, PhD Notre Dame, USA

Service on graduate student committees (current or year graduated)

2022-now Julia Eckberg, PhD Michigan EEB
2021-now Grace Zhang, PhD Michigan EEB
2020-now Samuel Schaffer-Morrison, PhD Michigan EEB
2019-22 Rosaura Chapina, PhD UVM Rubenstein
2022 Jennifer Wen, MS Michigan, SEAS; Lindsey Pett, PhD UVM Biology
2019-20 Natalia Aristizabal, PhD UVM Rubenstein
2020 Amanda Northrop, PhD UVM Biology, committee chair
2016 Carla Brenda Maldonado Goyzueta, PhD CPH; Quentin Read, PhD UTK
2015 Lacy Chick, PhD UTK
2014 Sara Kuebbing, PhD UTK; Rafael Zenni, PhD UTK; Jeremy Chandler, PhD Micro UTK
2013 Melissa Burt, MS UTK; Denise Kendall, PhD UTK
2012 Katie Stuble, PhD UTK; Noelia Barrios, PhD UTK; Amanda Alison, MS UTK; Keith Post, PhD UTK; Emmi Felker-Quinn, PhD UTK; Joe Huges, PhD UTK
2010 Jarrod Blue, MS UTK
2009 Greg Crutsinger, PhD UTK
2008 Lara Souza, PhD UTK; Windy Bunn, MS UTK; Martin Nuñez, PhD UTK

Postdoctoral fellows

2022-now Rose Brinkhoff (UMI, IGCB)
Alison Bressler (UMBS)
2020-now Melissa Pastore (UVM)

Previous postdoctoral fellows (& where they are now)

2021-2022 Kenna Rewcastle, AAAS fellow, Washington DC
2017-21 Case Prager, AAAS fellow, Washington DC
Xin Jing, Assistant Professor, Lanzhou University
2014-19 Annelein Meisner, Scientist MicrobiomeSupport, Netherlands
2017-18 Emily Meineke, Assistant Professor, University of California, Davis, USA
2015-18 Erin Cameron, Assistant Professor, Saint Mary's University, Nova Scotia, Canada
Daan Blok, Policy Officer, Netherlands Polar Research Program, Organization for Scientific Research, Netherlands
2014-17 Maja Sundqvist, Assistant Professor, SLU, Sweden

2012-15 Jiang Jiang, Professor, Nanjing Forestry University, China
 2010-12 Emily Moran, Associate Professor Professor, University of California, Merced, USA
 2009-12 Lara Souza, Associate Professor, University of Oklahoma, USA
 2008-10 Marie-Anne de Graaff, Professor, Boise State University, USA
 2007-09 Paul Kardol, Associate Professor, SLU, Sweden
 2006-08 Hector Castro, Research Associate, University of Tennessee, USA

Visiting post-docs, professors & teachers

2020 Ji “Sonamkyi” Suonan, Associate Professor, Qinghai Normal University (postponed, covid)
 2018-19 Cancan Zhao, Lecture of Ecology, Henan University, China
 2018 M. Noelia Barrios Garcia Moar, Fulbright Fellow, Investigadora Asistente, Conicet, Argentina
 Mariano Rodriguez-Cabal, Fulbright Fellow, Investigadora, Conicet, Argentina
 Wenting Feng, Scientist, Chinese Academy of Agricultural Sciences, Beijing, China
 2016, 2017 Xin Jing, post-doc, Peking University, China
 2016 Laura Steffy, Primary School Teacher, Texas, USA
 2015-16 Katarzyna Koszela, post-doc, University of Silesia, Poland
 2015 Qiong Zhao, Associate Professor, Institute of Applied Ecology at the Chinese Academy of Sciences, China
 2012-13 Leslie Smith, Your Ocean Consulting, LLC, USA
 2007-08 George Byrd, Associate Professor, Ferrum College, USA
 2007 Xiongwen Chen, Associate Professor, Alabama A&M University, USA

Post-baccalaureate, post-masters researchers

2021-22 April Bermudez (NSF Post-Bac)

Undergraduate advising & mentoring

Undergraduate honors thesis

2022 Samantha King (SEAS, UMich); Eva Schwartz (EEB, UMich)
 2020-21 Olivia Vought (Rubenstein, UVM)
 2019-20 Laura Pinover (Rubenstein, UVM)
 Gordon Coates (Rubenstein, UVM)
 2018-19 Julia Pupko (Rubenstein, UVM)
 2018 Colleen Yancey (Chair, Biology, UVM)

Undergraduate research collaborators, honors students, REUs & high school interns

2021-now	Julia Klinkman (UMich, UROP), Sophia Arbani (UMich), Ariel Lindholm (UMich), Lily MacKrell (UMich)
2021	April Bermudez (UC Riverside), Paola Cruz-Martinez (Purchase College)
2020-21	Olivia Vought (UVM); Siobhan Calhoun (University of Pennsylvania); Bailey Sharon (Western State); Ashley Silver (University of Toledo); Alex Linter (Pomona College)
2018-20	Rowan Pannier (UVM); Finn Quan-Shau (UVM); Olivia Vought (UVM); Carri Finkelstein (UVM); Allyssa McCutcheon (UVM); Gordon Coates (UVM); Laura Pinover (UVM)
2017-20	Joscie Norris (UVM)
2019-20	Nichole Crothers (UVM); Karin Rand (UVM, BIO); Carrie Finkelstein (UVM); Natalie Elizabeth Bingham (UVM)
2019	Zoe Albion, Allie Pankoff, Calla Sopko, Maya Dizack, Anna Malvin (UVM, NR206)
2018	Tom DeMouth (UVM)
2017-18	Caitlin Gosciminski (UVM)
2017	Rowan Pannier (Crested Butte High School CO/RMBL)
2016, 2017	Raina Fitzpatrick (Haverford College/RMBL)
2016-17	Ben Miller (UT)
2015-17	Brennan Flanagan (UT); Silvia Iradukunda (UT); Sarah Ottinger (UT); Helen Law (UT)
2016	Wyatt Arnold (University of Chicago/RMBL)
2014-16	Magnus Heide Andreasen (KU)
2015	Peter Meidl (UT/RMBL); Monique Garrett (Humboldt State/RMBL)
2014-15	Kenna Rewcastle (UT/KU/RMBL); Sara La Haie (UT)
2012-15	Sneha Patel (UT); Kent Cornell (UT)
2013-14	Nick Hendershot (UT/RMBL)
2012-14	Brandy Pieper (UT); Nora Dunkirk (UT)
2012-13	Jaime Call (UT); Su'ad Yoon (UT/RMBL); Raina Fitzpatrick (West High School TN)
2010-13	Sarah Wood (UT/RMBL)
2012	Kelsey Richesin (UT); Kelly Giro (UT); Alaina Marinello (UT); Corinne Calhoun (Pomona College/RMBL); Courtney Patterson (UT)
2011-12	Matthew Floyd (UT)
2010-12	Katie Sloop (UT)
2009-12	Heather Tran (UT)
2011	Amanda Oaks (UT); Katie Park (Maryville University/RMBL); Minh Tran (Emory); M Stephanie Jensen (UT)
2010-11	Gordon Robinson (UT); Danny Lusk (UT); Matt Olive (UT)
2009-11	Phoebe Wright (UT); Lauren Breza (UT)

2010 Jackie Aareson (UT); Tander Simberloff (Smith College); Alix Pfennigwerth (UT)

2009 Laura Marsh (UT); Tander Simberloff (West High School TN); Anna Proffitt (UT)

2008 John Bevans (University of Tampa); Kelly Rula (Bowdoin College); Elizabeth Ferguson (UT)

2007-08 Gloria Jimenez (Carleton College)

2007 Vanessa Garcia (Cal State, Fresno); Caitlin Guthrie (Pomona College); Jennifer Burks (Earlham College)

2006-08 Emily Austin (Hampshire College)

2006-07 Emmi Felker-Quinn (Smith College); Melissa Habenicht (UT); Zach Kiershmann (UT); Sarah Kortebein (Farragut High School TN); Onike Mnzawa (UT)

2006 Sharon Gray (U of Illinois); Emily Mitchell (Oak Ridge High School TN); Rebecca Roha (Gettysburg College); Marlene Tyner (U of Michigan); Luke Zachmann (U of Minnesota, Morris)

2005-07 Katherine Sides (Northern Arizona University)

2005-06 Katrina Cox (Pellissippi Community College); Kerri Crawford (UT)

2005 Caroline DeVan (UT); Sam Freyaldenhoven (Hendrix College)

2011-20 Undergraduate research & REU mentor, Rocky Mountain Biological Laboratory

Undergraduate academic advisees (University of Vermont)

2020 Spring 32 Environmental Science/Parks, Recreation & Tourism/Natural Resources majors

2019 74 Environmental Science/Parks, Recreation & Tourism/Natural Resources majors

2018 46 Environmental Science/Parks, Recreation & Tourism/Natural Resources majors

2016-17 33 Environmental Science/Parks, Recreation & Tourism/Natural Resources majors

Undergraduate academic advisees University of TN (year graduated)

2016 Peter Meidl

2015 Kenna Rewcastle

2013 Courtney Thomas; Casey Blanks; Sarah Wood; Bruce Williams; Christopher Murphy; Callie Grabstein; Byanca Moreno; John Carney; Cody Whitt; Meredith Hayes; Sabrina Rhodes

2012 Laura Barlow; Kelsey Richesin; Alix Pfennigwerth; Melanie Sullivan

2011 Matt Olive; Callie Caponet

2010 Georgia Bragg; Phoebe Wright

Professional service & outreach to enhance diversity

2021-now EEB Frontiers Masters Program Admission Committee

2019-20 Chair, Diversity Committee, Rocky Mountains Biological Laboratory

2019 Women in Soil Science Panelist, The University of Vermont

2015 Women in Science Ethics Panelist, Rocky Mountain Biological Laboratory

- 2011-14 Program for Excellence & Equity in Research (PEER) mentor, University of Tennessee
- 2011-13 USA Science Festival Participant, Washington DC
- 2009-10 Committee for women, University of Tennessee
- 2008 NSF ADVANCE workshop, Women Evolving Biological Sciences (WEBS), USA
- 2007 Historically Black Colleges & Universities & Minority Education Institutions Research Program
- 2006 Southeastern Consortium for Minorities in Engineering & Science; DOE Day of Science participant to attract minority students into scientific professions

University, Museum & Organization service

- 2022-now Ecology & Evolutionary Biology Faculty mentor (Thais Vasconcelos, Mia Howard)
- 2021-now Ecology & Evolutionary Biology Faculty mentor (Andre Green)
- 2021-now Ecology & Evolutionary Biology Retreat Committee
- 2022-now Michigan Fellow mentor (Roberto Márquez)
- 2001-now Biosciences Initiative Coordinating Committee (BICC), University of Michigan
- 2022 EEB tenure report committee lead
- 2022 Keck Foundation-Science & Engineering and Medical Research Program Reviewer for Michigan
- Working Group Committee, The Institute for Global Change Biology, University of Michigan
- SEAS Faculty 3rd year review Committee member, University of Michigan
- 2022 University Development Campaign Committee
- 2021-22 University of Michigan LSA Carbon Neutrality team— Facilities
- Mid-career Biosciences Faculty Achievement Recognition award (MBioFAR) committee member, University of Michigan
- 2021 Ecology & Evolutionary Biology Faculty 3rd year review Committee member
- 2020 Search committee for UVM's Vice President of Research
- 2019-20 Co-chair, Graduate program review committee, Rubenstein School, University of Vermont
- Faculty Standards Committee, Rubenstein School, University of Vermont
- Chair, Diversity Committee, Rocky Mountains Biological Laboratory
- Member, Research Evaluation Committee, Rocky Mountains Biological Laboratory
- 2017-20 Strategic Planning committee, Rocky Mountain Biological Laboratory
- 2016-20 Facilities committee, Rocky Mountain Biological Laboratory
- Annual Evaluation of Executive Director and Board Self-Evaluation committee, Rocky Mountain Biological Laboratory
- 2017-20 Graduate Standards committee, Rubenstein School, University of Vermont

2017-19 Chair, Research Vision committee, Rocky Mountain Biological Laboratory

2017-18 Chair, Committee on Academic Benchmarking for the Rubenstein School, UVM

2016-17 Chair, Facilities committee, Rocky Mountain Biological Laboratory

Chair, Outreach committee, Center for Macroecology, Evolution, and Climate

2014-16 Research committee, Rocky Mountain Biological Laboratory

2015 Chair, disease ecology search committee, University of Copenhagen

2012-14 Chair, Undergraduate Affairs, University of Tennessee

Executive Committee, University of Tennessee

Natural Sciences Undergraduate Affairs Committee, University of Tennessee

2012-13 Department head search committee, University of Tennessee

2012 Research Center Equipment Committee, Rocky Mountain Biological Laboratory

2011-13 Douglas Distinguished Lectureship committee, Rocky Mountain Biological Laboratory

2011-12 Arts and Sciences Dean's Advisory Council, University of Tennessee

2010-11 Facilities Committee, Rocky Mountain Biological Laboratory

2009-11 University-wide governors chair search committee, University of Tennessee 2008-11

Undergraduate curriculum committee, University of Tennessee

2010 Ecology search committee, University of Tennessee

2006-07 National Ecological Observatory Network (NEON) committee, University of Tennessee

Professional service & outreach

2022 Reviewer for Tenure and Promotion packet: international research institution; US R1 institution

2021 Reviewer for Tenure and Promotion packet: 3× USA R1 academic institution; 1× USA PUI academic institution

2021 Reviewer for Research Staff Promotion: 1× USA R1 Scientific organization

2021 Reviewer for Regents professor promotion: 1× USA R1 academic institution

2020 Reviewer for Tenure and Promotion packet: 2× USA R1 academic institution; 1× International R1 academic institution

2019 Ecological Society of America webinar on Academic Publishing

2019 Reviewer for Tenure and Promotion packets: 1× International R1 academic institution; 3 USA R1 academic institutions; 1× USA research institution

2019 External reviewer of University of California, Davis program in Evolution, Ecology, & Biodiversity, College of Biological Sciences

2017-18 NEON soil sensor technical working group

2018 Reviewer for Tenure and Promotion: 2× USA R1 academic institutions

2018 RMBL speaker “getting into graduate school”

2017 Reviewer for Tenure and Promotion: 2× USA R1 academic institutions

2015 Reviewer for Tenure and Promotion: USA R1 research institution

National agency review panels

2020 US National Science Foundation

2018 US Department of Energy

2015-16 European Union BiodivERsA ERA-NET

2011 US National Science Foundation

2007 US National Ecological Observatory Network (NEON) site reviewer

Professional society service (in addition to editorial duties)

2012-13 Ecological Society of America committee to envision the future of ESA journals

Steering committees

2018-21 Functional Ecology of Alpine Systems Global network

2007-10 Terrestrial Ecosystem Response to Atmospheric and Climatic Change

Outreach

2016 Museum Public Talk on soil biodiversity

2014 “Geek Week” Panelist, Crested Butte Colorado Science Festival

2013 US congressional visit by group members; Invasive weed outreach

2012 “Geek Week” Panelist, Crested Butte Colorado Science Festival; Invasive weed outreach; US congressional visit by group members; Citizen Scientist Symposium instructor, Rocky Mountain Biological Laboratory; Adult Science Leader, Rocky Mountain Biological Laboratory

2011 Invasive weed outreach

Reviewer for funding agencies & journals

2008-now Science Foundation Ireland; The US Department of Energy Science Focus Area program; European Union; The Royal Society PanAfrica Awards, UK; US National Science Foundation Ecology Panel; US National Science Foundation Ecosystems Panel; US National Science Foundation Long-Term Research in Environmental Biology; The Netherlands Organization for Scientific Research (NWO); Natural Sciences and Engineering Research Council of Canada; Academy of Sciences of the Czech Republic; US Civilian Research & Development Foundation (CRDF); US Department of Energy Terrestrial Ecosystem Sciences Program; US Department of Energy Office of Science Graduate Fellowship (SCGF) Program; US Department of Energy NICCR program; US Department of Energy Program for Ecosystem Research; US Department of Energy SCGF Program; US Department of Energy Terrestrial Carbon Program

Reviewer for journals (selected)

2008-now *Australian Journal of Soil Research, BioScience, Biological Invasions, Canadian Journal of Forest Research, Conservation Biology, Ecological Applications, Ecological Monographs, Ecology, Ecology Letters, Ecosphere, Ecosystems,*

Functional Ecology, Global Change Biology, Isotopes in Health and Environmental Studies, Journal of Ecology, Nature, Nature Communications, New Phytologist, Oecologia, Plant and Soil, PLoS One, Polish Journal of Environmental Science, Science, Soil Science Society of America Journal, Soil Biology & Biochemistry

Abstracts and contributed papers

2008-18 Ecological Society of America (>66); American Society for Microbiology (>5); International Congress of Entomology (1); International Congress of Entomology (1); International Society for Microbiology: ISME (1); Botanical Society of America (1); Oikos meeting (1); American Geophysical Union (>6); Ecology of Microorganisms (2); European Geophysical Union (4); EUReCA, Undergraduate Research Fair (11); Soil Ecology (6); Soil Science Society of America (6); Association of Southeastern Biologists (4); Southwestern Association of Biologists (4); Mid-Atlantic States Mycology Conference (2); EuroSoils (1); Enzymes in the Environment (2); Southern Forest Tree Improvement Conference (1); Microbes as Important Drivers of Soil Processes meeting (1); Argonne National Laboratory Soils Workshop (2); Southern Appalachian Man and the Biosphere Conference (1); Dissertations Initiative for the Advancement of Climate Change Research Symposium (1); Women Evolving the Biological Sciences Symposia (1); Joint Meeting of the Society for Range Management and the American Forage and Grassland Council (1); South Eastern Population Ecology and Evolutionary Genetics (SEPEEG) Conference (1); International Association of Landscape Ecologists World Congress (1); American Association for the Advancement of Science (1); National Academies of Sciences Frontiers of Science Symposia (2)