

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

- 2023-now Executive Committee, Graham Institute, University of Michigan, USA
- 2022-now Board member, Collaborative Earth (formerly The Earthshot Institute)
- 2022-now 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*
- 2016-22 Board of Trustees, Rocky Mountain Biological Laboratory, Colorado, USA
- 2021 Visiting Editorial Committee member, *Annual Reviews of Ecology, Evolution, and Systematics*
- 2017-18 Special Issue Guest Editor, *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

- 2024 American Association for the Advancement of Science (AAAS) Fellow
- 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, Forest Soils, Soil Science Society of America
- 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, Forest Soils, Soil Science Society of America
- 1995 Sigma Xi
Smith College Brown Botany Prize
- 1991-93 NCAA All-American (swimming)

Research funding

current funding

- 2024-28 AccelNet-Implementation Phase 1: MICROBENet-Net: Multi-Institute Collaborative Research on BElowground plant-microbial interactions Network of Networks. The US National Science Foundation; 1,500,000 USD, Co-PI
- 2024-26 How do sublethal parasitic infections influence the diet and welfare of North America's most abundant mammals? The Wild Animal Initiative, \$167,337 USD, Co-PI
- 2024-26 From trees to stands: Assessing forest ecosystems integrated multifunctionality at scales relevant to decision making. McIntire-Stennis, University of Michigan; 139,534 USD, Co-PI
- 2022-25 AmeriFlux Management Project Core Site - University of Michigan Biological Station. The US Department of Energy, 325,626 USD sub-contract; Co-PI
- 2022-25 Ecosystem effects of the Invasive Argentine Ant: Fauna and Soil (FaS@InAnt). General Secretary of Universities, Research and Technology, Andalusia, Spain. 179,870 Euro; 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
- 2023-24 Adaptive management of culturally and economically important wildlife in tribal lands of Michigan's Upper Peninsula. University of Michigan SEAS Themes Funds. 80,000 USD; Co-PI
- 2021-25 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
- 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*
- 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
- 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
- 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 review 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.
- Ruben Smith G, van der Hoogen J et al. (in review) Global links between soil microbes and biogeochemical functions.
- In revision* Propson BE, Zak DR, Classen AT, Burton AJ, Freedman ZB (in revision) Gains in soil C storage under anthropogenic N deposition are rapidly lost following its cessation.
- Reed DE, et al. (in revision) Network of Networks: Time-Series Clustering of AmeriFlux Sites.
- 2024 Jing X, Classen AT, Li D, Lin L, Mingzhen L, Sanders NJ, Wang Y, Feng W (2024) The overlooked third dimension: soil depth drives microbial community structure and function along a salinity gradient. **Ecography** doi.org/10.1111/ecog.07118
- Pastore MA+, Classen AT, D'Amato AW, English ME, Rand K^, Foster JF, Adair EC. (2024) Frequent and strong cold-air pooling drives temperate forest composition. **Ecology & Evolution** doi.org/10.1002/ece3.11126
- 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 (2024) Global fine-resolution data on springtail abundance and community structure. **Scientific Data** 11:22. doi.org/10.1038/s41597-023-02784-x

Spinnella S**, Classen AT, Sanders NJ, McLaren JR (2024) Context dependence of warming induced shifts in montane soil microbial functions. **Functional Ecology** 38:1199–1209 <https://doi.org/10.1111/1365-2435.14538>

Suonan J., Lv W Classen AT, Wang W, La B, Lu X, Songzha C, Chen C, Miao Q, Sun Lamao, Wang S (2024) Alpine plants exhibited deep supercooling upon exposed to episodic frost events during the growing season on the Qinghai-Tibet Plateau. **Journal of Plant Ecology** rtae034 <https://doi.org/10.1093/jpe/rtae034>

Zhao C, Zhao Y, Classen AT, Wang Z, Li Y, Liu Y, Yang Z, Li G, Fu S (2024) Drought shifts soil nematode and microbial community traits and mediates the carbon cycle. **Journal of Plant Ecology** 17(2): rate012

2023

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 (2023) Globally invariant metabolism but density-diversity mismatch in springtails. **Nature Communications** 14 (674). <https://doi.org/10.1038/s41467-023-36216-6>

Pastore MA+, Classen AT, English ME^, Frey SD, Knorr MA, Rand K^, Adair EC (2023) Soil microbial legacies influence freeze-thaw responses of soil. **Functional Ecology** 37:1055-1066. DOI: 10.1111/1365-2435.14273

Yancy CE*, Juice SM**, Classen AT, Rustad L, Adair EC (2023) The impact of ice storms on mycorrhizal fungi varies by season and mycorrhizal type in a hardwood forest. **Ecosphere** 14(5): e4526. <https://doi.org/10.1002/ecs2.4526>

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, Hoye 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. Eilers, 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. Kariñho-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. Schilthuisen, 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.

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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.

Schimel D, Strong DR, Ellison AM, Peters DPC, Silver S, Johnson EA, Belnap J, Classen AT, Essington TE, Finley AO, Inouye BD, Stanley EH (2014) Editors are editors, not oracles. ***Bulletin of the Ecological Society of America*** 95:342–346.

- 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, Ringer 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-now Senior Ecology & Evolutionary Biology capstone class (BS)
- 2022-now 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

- 2024 Miami University, Department of Biology, USA
US Department of Energy, USA
Michigan State, USA
Kellogg Biological Station, USA
- 2023 Institute for Global Change Biology, University of Michigan, USA
Michigan State, USA (postponed)
Kellogg Biological Station, USA (postponed)
- 2022 Evolution, Climate Change and Infectious Disease Symposia, University of Michigan, USA
Université de Montréal, Keynote speaker, 100th anniversary of the département de sciences biologiques de l'UdeM celebration, Canada
Kellogg Biological Station, USA (covid canceled)
Cornell University, USA "Celebrating 65 years of biogeochemistry at Cornell - Learning from the past to inform the future" special seminar series
Michigan Ecology and Evolutionary Biology Society (MEEBS) of undergraduates, University of Michigan, USA (fall & winter terms)
Ohio State University, USA
Michigan State, USA (covid postponed)
- 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, New York, 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

- 2024 Ecosystem Consequences of Changing Winters in the Anthropocene, Department of Energy (DOE) ESS PI Meeting, Washington, DC, USA
Invasive ant impacts on ecosystem function, Sevilla, Spain
- 2023 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

- 2024 Garden Club of America (P. Falb, BS)
Fulbright Scholar (E. Waldron, BS Mount Holyoke College)
- 2023 Mary T. Carothers Summer Environmental Studies Scholarship, Garden Club of America (P. Falb, BS)
- 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

- 2023- Aadia Moseley-Mccloud, MS, University of Michigan, USA
Madeleine Gellinger, PhD, University of Michigan, USA
- 2022- Brenda Hernández, MS, University of Michigan, USA
Barryette Oberholzer, PhD, SLU, Umeå, Sweden
Kohsuke Tanigawa, PhD, SLU, Umeå, Sweden
- 2021- Olivia Vought, PhD, University of Michigan, USA
Indira León, PhD, Victoria University of Wellington, NZ, advised with Julie Deslippe
- 2020- Jim Den Uyl, PhD, Victoria University of Wellington, NZ, advised with Julie Deslippe

Prior graduate students (year graduated)

- 2023 Sorrel Hartford, MS, University of Michigan, USA
Elizabeth O'Brien, MS, University of Michigan, USA
- 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
Jeremiah Henning, PhD, University of Tennessee, USA
Leigh Moorhead, PhD, University of Tennessee, USA
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 & lab rotations (current or year graduated)

- 2022-now McKenzie Smith, PhD, Tulane, New Orleans, USA
- 2023 Evan Perkowski, PhD Texas Tech University, USA
- 2022 Sydne Spinella, MS University of Texas El Paso, USA
- 2020 Fiona Jevon, PhD Dartmouth College, USA
Julia Kemppinen, PhD University of Helsinki, Finland
- 2017 Pernilla Borgström, PhD Swedish University of Agricultural Sciences, Sweden
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)

- 2024-now Frances Li, PhD Michigan EEB; Hitaishi Desai, PhD Michigan SEAS; Quinn Moon Michigan EEB
- 2022-now Julia Eckberg, PhD Michigan EEB
- 2021-now Grace Zhang, PhD Michigan EEB
- 2020-now Samuel Schaffer-Morrison, PhD Michigan EEB
- 2019-now 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
- 2008-16 U Tennessee: Quentin Read, PhD; Lacy Chick, PhD; Sara Kuebbing, PhD; Rafael Zenni, PhD; Jeremy Chandler, PhD Micro; Melissa Burt, MS; Denise Kendall, PhD; Katie Stuble, PhD; Noelia Barrios, PhD; Amanda Alison, MS; Keith Post, PhD; Emmi Felker-Quinn, PhD; Joe Huges, PhD; Jarrod Blue, MS; Greg Crutsinger, PhD; Lara Souza, PhD; Windy Bunn, MS; Martin Nuñez, PhD

Postdoctoral fellows

- 2022-now Rose Brinkhoff (UMI, IGCB)

Previous postdoctoral fellows (& where they are now)

- 2022-23 Alison Bressler, Water Center at the Graham Sustainability Institute

- 2020-23 Melissa Pastore, Forest Service, Minneapolis Minnesota
- 2021-22 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 advisor/ committee

- 2024- Anna Wooten (EEB, UMich); Peter Falb (EEB, UMich); Kate Fitzsimmons (Chem, UMich)
- 2023-24 Joanna Livingston (EEB, reader, UMich); Nick Hyslop (PiTE, reader, UMich)
- 2022 Samantha King (SEAS, reader, UMich); Eva Schwartz (EEB, reader, UMich)
- 2018-21 UVM: Olivia Vought (Rubenstein, UVM); Laura Pinover (Rubenstein, committee, UVM); Gordon Coates (Rubenstein, committee, UVM); Julia Pupko (Rubenstein, committee, UVM); Colleen Yancey (Chair, Biology, committee, UVM)

Undergraduate research collaborators, REUs & high school interns

- 2023-now Kate Fitzsimmons (UMich)
- 2022-now Anna Wooton (UMich), Peter Falb (UMich)
- 2022-24 Annie Cress (UMich)
- 2024 Ada LaTarte (St. Paul Academy, Minnesota)
- 2023 Noah Manuszak (UMich)
- 2023 Zoraya Piedra (Webster University), Emma Waldron (Mt. Holyoke College)
- 2022-23 Christopher Twig (UMich), Marlana Peek (UMich)
- 2021-23 Ariel Lindholm (UMich)
- 2021-22 Julia Klinkman (UMich, UROP), Sophia Arbanı (UMich), Lily MacKrell (UMich)
- 2021 April Bermudez (UC Riverside), Paola Cruz-Martinez (Purchase College)
- 2014-21 UVM/RMBL: Olivia Vought (UVM); Siobhan Calhoun (University of Pennsylvania); Bailey Sharon (Western State); Ashley Silver (University of Toledo); Alex Linter (Pomona College); Rowan Pannier (UVM); Finn Quan-Shau (UVM); Olivia Vought (UVM); Carri Finkelstein (UVM); Allyssa McCutcheon (UVM); Gordon Coates (UVM); Laura Pinover (UVM); Joscie Norris (UVM); Nichole Crothers (UVM); Karin Rand (UVM, BIO); Carrie Finkelstein (UVM); Natalie Elizabeth Bingham (UVM); Zoe Albion, Allie Pankoff, Calla Sopko, Maya Dizack, Anna Malvin (UVM); Tom DeMouth (UVM); Caitlin Gosciminski (UVM)
- 2014-17 CPH/RMBL: Rowan Pannier (Crested Butte High School CO/RMBL); Raina Fitzpatrick (Haverford College/RMBL); Ben Miller (UT); Brennan Flanagan (UT); Silvia Iradukunda (UT); Sarah Ottinger (UT); Helen Law (UT); Wyatt Arnold (University of Chicago/RMBL); Magnus Heide Andreasen (KU)
- 2009-15 UTK/RMBL: Peter Meidl (UT/RMBL); Monique Garrett (Humboldt State/RMBL); Kenna Rewcastle (UT/KU/RMBL); Sara La Haie (UT); Sneha Patel (UT); Kent Cornell (UT); Nick Hendershot (UT/RMBL); Brandy Pieper (UT); Nora Dunkirk (UT); Jaime Call (UT); Su'ad Yoon (UT/RMBL); Raina Fitzpatrick (West High School TN); Sarah Wood (UT/RMBL); Kelsey Richesin (UT); Kelly Giro (UT); Alaina Marinello (UT); Corinne Calhoun (Pomona College/RMBL); Courtney Patterson (UT); Matthew Floyd (UT); Katie Sloop (UT); Heather Tran (UT); Amanda Oaks (UT); Katie Park (Maryville University/RMBL); Minh Tran (Emory); M Stephanie Jensen (UT); Gordon Robinson (UT); Danny Lusk (UT); Matt Olive (UT); Phoebe Wright (UT); Lauren Breza (UT); Jackie Aareson (UT); Tander

Simberloff (Smith College); Alix Pfennigwerth (UT); Laura Marsh (UT); Tander Simberloff (West High School TN); Anna Proffitt (UT)

2005-08 ORNL/RMBL: John Bevans (University of Tampa); Kelly Rula (Bowdoin College); Elizabeth Ferguson (UT); Gloria Jimenez (Carleton College); Vanessa Garcia (Cal State, Fresno); Caitlin Guthrie (Pomona College); Jennifer Burks (Earlham College); Emily Austin (Hampshire College); Emmi Felker-Quinn (Smith College); Melissa Habenicht (UT); Zach Kiershmann (UT); Sarah Kortebein (Farragut High School TN); Onike Mnzawa (UT); 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); Katherine Sides (Northern Arizona University); Katrina Cox (Pellissippi Community College); Kerri Crawford (UT); Caroline DeVan (UT); Sam Freyaldenhoven (Hendrix College)

Undergraduate academic advisees (University of Vermont)

2016-20 185 Environmental Science/Parks, Recreation & Tourism/Natural Resources majors

Undergraduate academic advisees University of TN

2010-16 Peter Meidl; Kenna Rewcastle; Courtney Thomas; Casey Blanks; Sarah Wood; Bruce Williams; Christopher Murphy; Callie Grabstein; Byanca Moreno; John Carney; Cody Whitt; Meredith Hayes; Sabrina Rhodes; Laura Barlow; Kelsey Richesin; Alix Pfennigwerth; Melanie Sullivan; Matt Olive; Callie Caponet; Georgia Bragg; Phoebe Wright

Service - Departmental

2023-24 EEB tenure report committee

2024-now Graduate Affairs Committee, Ecology & Evolutionary Biology

2022-now Ecology & Evolutionary Biology Faculty mentor (Thais Vasconcelos)

Collegiate Fellow mentor (Mia Howard)

2021-now Ecology & Evolutionary Biology Faculty mentor (Andre Green)

2023-24 Awards Committee, Awards Committee

Ecology & Evolutionary Biology Faculty mentor (Kelly Speer)

2023-24 EEB tenure report committee

2024 EEB graduate student recruitment flash talk

2022-23 EEB tenure report committee lead

EEB Faculty 3rd year review, University of Michigan

2022-23 Michigan Fellow mentor (Roberto Márquez)

2021-23 Ecology & Evolutionary Biology Retreat Committee

2022 EEB tenure report committee lead

2021-22 EEB Frontiers Masters Program Admission Committee

2021 Ecology & Evolutionary Biology Faculty 3rd year review Committee member

2019-20 Co-chair, Graduate program review committee, Rubenstein School, University of Vermont

Faculty Standards Committee, Rubenstein School, University of Vermont

2017-20 Graduate Standards committee, Rubenstein School, University of Vermont

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

2016-17 Chair, Outreach & Engagement committee, Center for Macroecology, Evolution, and Climate

2015 Chair, disease ecology search committee, University of Copenhagen

2012-14 Chair, Undergraduate Affairs, University of Tennessee
EEB Departmental Executive Committee, University of Tennessee

2012-13 Department head search committee, University of Tennessee

2008-11 Undergraduate curriculum committee, University of Tennessee

2010 Ecology search committee, University of Tennessee

2009-10 Committee for women, University of Tennessee

Service - University/Organization

2023-24 The University of Michigan Vice Provost for Sustainability Search Advisory Committee

2020-23 Biosciences Initiative Coordinating Committee (BICC), University of Michigan

2023 Panelist for Alpha Tau Pi, a professional biology fraternity, careers event
University of Michigan LSA Carbon Neutrality Program Manager Search Committee
SEAS Faculty 3rd year review Committee member, University of Michigan

2022 University Development Campaign Committee
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

2021-22 University of Michigan LSA Carbon Neutrality team— Facilities
Mid-career Biosciences Faculty Achievement Recognition award (MBioFAR) committee member, University of Michigan

2020 Search committee for University of Vermont's Vice President of Research

2019 Women in Soil Science Panelist, The University of Vermont

2011-14 Program for Excellence & Equity in Research mentor, University of Tennessee

2012-14 Natural Sciences Undergraduate Affairs Committee, University of Tennessee

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

2009-11 University-wide Governors Chair search committee, University of Tennessee

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

- 2007 Historically Black Colleges & Universities & Minority Education Institutions Research Program
- 2006 Southeastern Consortium for Minorities in Engineering & Science
US Department of Energy Day of Science participant to attract underrepresented students into scientific professions

Service - External Organizations

- 2019-20 Chair, Diversity Committee, Rocky Mountains Biological Laboratory, USA
Member, Research Evaluation Committee, Rocky Mountains Biological Laboratory
- 2017-20 Strategic Planning committee, Rocky Mountain Biological Laboratory, USA
- 2016-20 Facilities committee, Rocky Mountain Biological Laboratory, USA
Annual Evaluation of Executive Director and Board Self-Evaluation committee, Rocky Mountain Biological Laboratory, USA
- 2017-19 Chair, Research Vision committee, Rocky Mountain Biological Laboratory, USA
- 2016-17 Chair, Facilities committee, Rocky Mountain Biological Laboratory, USA
- 2014-16 Research committee, Rocky Mountain Biological Laboratory, USA
- 2015 Women in Science Ethics Panelist, Rocky Mountain Biological Laboratory, USA
- 2011-13 USA Science Festival Participant, Washington DC, USA
- 2012 Research Center Equipment Committee, Rocky Mountain Biological Laboratory, USA
- 2011-13 Douglas Distinguished Lectureship committee, Rocky Mountain Biological Laboratory, USA
- 2010-11 Facilities Committee, Rocky Mountain Biological Laboratory, USA
- 2008 NSF ADVANCE workshop, Women Evolving Biological Sciences (WEBS), USA

Professional Service & Outreach

- 2024 Reviewer for Tenure and Promotion: USA R1 academic institution (2)
- 2023 Reviewer for Tenure and Promotion: Reviewer for Regents professor promotion (1); USA R1 academic institution (4); International R1 institution (1); USA R1 Scientific organization (2)
- 2022 Reviewer for Tenure and Promotion: international research institution (1); US R1 institution (2); Reviewer for Regents professor promotion (1)
- 2021 Reviewer for Tenure and Promotion: USA R1 academic institution (3); USA PUI academic institution (1); Reviewer for Research Staff Promotion: USA R1 Scientific organization (1); Reviewer for Regents professor promotion: USA R1 academic institution (1)
- 2020 Reviewer for Tenure and Promotion: USA R1 academic institution (2); International R1 academic institution (1)
- 2019 Ecological Society of America webinar on Academic Publishing

Reviewer for Tenure and Promotion: International R1 academic institution (1); USA R1 academic institutions (3); USA research institution (1)

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
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

Reviewer for funding agencies (selected)

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*

Selected abstracts and contributed papers

2008-18 Ecological Society of America (>67); 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 (2); American Geophysical Union (>6); Ecology of Microorganisms (2); European Geophysical Union (4); EURECA Undergraduate Research Fair (11); Soil Ecology (11); 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); Ecological Society of Japan meeting (1)