

Amy Concilio

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ACADEMIC AND RESEARCH APPOINTMENTS

- 2020- **Associate Professor of Environmental Science & Policy**, St. Edward's University
2016-20 **Assistant Professor of Environmental Science & Policy**, St. Edward's University
2015-16 **Visiting Professor of Environmental Studies**, Fort Lewis College
2013-15 **Postdoctoral Scholar**, University of Colorado, Boulder, with Timothy Seastedt and Jesse Nippert
2012 **Adjunct Faculty**, Department of Biology, Berkeley City College
2012 **Adjunct Faculty**, Graduate Program in Environmental Management, University of San Francisco
2012 **Lecturer**, Department of Environmental Studies, University of California, Santa Cruz
2005-06 **Science Associate**, National Ecological Observatory Network, Washington, D.C.

EDUCATION

- 2012 **Ph.D. Environmental Studies**, University of California, Santa Cruz
2005 **M.S. Ecology**, University of Toledo
1999 **B.A. Chemistry**, Providence College, with Minors in **Environmental Studies** and **Spanish**

TEACHING EXPERIENCE

- **Graduate courses** - Population Ecology (FA16, FA17), Community Ecology (SP17, SP18), Applied Research (SP15, SP16, SP17), Internship (SP17, SP18), Resource Management, co-taught with Drs. Jae Pasari and Michael Vasey (FA12)
- **Undergraduate upper division courses** - Internship (FA19, SU19), Environmental and Ecological Field Methods (SP19), Research Experience for ENSP (FA18), Natural Resources Conservation and Management (FA18), Climate Change Science, Impacts, and Responses (SP18), Climate Change: An Interdisciplinary Perspective (SU16), Methods in Environmental Studies (SP16), Senior Colloquium (SP16), Environmental Studies Colloquium (FA15)
- **Undergraduate lower division courses** - Environmental Science (FA16, FA17, FA18, SP19, FA19), Chemistry in the Environment (SP17, SP18, SP19), Introduction to Environmental Studies (FA15, SP16), Ecology lab (FA12), Principles of Ecology (SU12), The Physical and Chemical Environment (SU12)
- **Study abroad and field courses** - Climate Change Science & Solutions, and Urban Sustainability, taught in Angers, France (SP20), Global Sustainability Challenges- A European Perspective, taught in Angers, France (SU19), Yellowstone Threatened Species, field course through Wildland Studies co-taught with Dr. Veronica Yovovich (SU18), Tropical Ecology & Conservation in Costa Rica, co -taught with Dr. Peter Beck (SU17)

AWARDS, GRANTS, AND HONORS

- 2020 Distinguished Teaching Award, St. Edward's University
2019 School of Behavioral and Social Sciences Nomination for Distinguished Teaching Award, St. Edward's University
2019 SPICE Scholarship, Pedagogical Innovation, Creative Expression reassignment for research on "Benefits of prairie restoration in urban green spaces", St. Edward's University
2019 Ecolab Agreement between SEU and Mr. Christopher Harte for research on climate change and land use impacts on TX Hill Country grassland and forest ecosystems, with Dr. Teresa Bilinski (\$7000)
2018 Presidential Excellent Grant for research on "Benefits of prairie restoration in urban green spaces", St. Edward's University (\$5,000)
2018 Water Quality Research in Low-Income Communities. BBVA Compass Grant (\$2500)
2017 Development of digital techniques for using unmanned aerial vehicle photography for vegetation analysis. Sub-contract with USFS Pacific Southwest Research Office (\$7000)
2017 Environmental contaminant mapping and monitoring in Travis County. Teaching, Learning, and Technology Roundtable Awards, St. Edward's University (\$3,941)
2017 Vegetation research. Commons Ford Prairie Committee & Travis Audubon Society (\$1000)

Curriculum Vitae

- 2017 P-SPICE Scholarship, Pedagogical Innovation, Creative Expression reassignment for development of Texas-based research program in restoration ecology, St. Edward's University
- 2012 First Place, Student Poster Contest at the California Native Plant Society Conservation Conference
- 2011 University of California Chancellor's Dissertation Year Fellowship (\$36,900 value)
- 2011 Outstanding Teaching Assistant Award, UC Santa Cruz (\$200)
- 2011 California Native Plant Society Educational Grant (\$700)
- 2011 Environmental Studies Departmental Award, UC Santa Cruz (\$1000)
- 2010 Graduate Research Assistantship, W. Cheng Lab, UC Santa Cruz (\$23,600 value)
- 2010 Best Poster Presentation, California Society for Ecological Restoration Annual Meeting
- 2009 Hammett Fund Award for Research on Water Management and Climate Change, UC Santa Cruz (\$1500)
- 2009 Mildred E. Mathias Graduate Student Research Grant, UC Natural Reserve System (\$2500)
- 2008 Valentine Eastern Sierra Reserve Graduate Student Grant, UC Reserve System (\$1128)
- 2007 EPA STAR Fellowship, Environmental Protection Agency, 3-year term (\$110,000 value)
- 2007 Graduate Grant, STEPS Institute for Innovation in Environmental Research, UC Santa Cruz (\$1500)
- 2005 Catherine Eberly Award for Women in Math and Science, University of Toledo

PUBLICATIONS (*denotes undergraduate researcher)

- 2020 T. Vargas, **A. Concilio**, L.G. Woyann, R.H.S. Santos, and W. Cheng (*in press*) Rhizosphere priming on N mineralization in vegetable and grain crop systems. *Plant and Soil*
- 2020 T. Seastedt, C.T. White, C. Tucker, E.M. Beaury, **A. Concilio**, E. Gasarch, V. Haggans, and J. Smith (*in press*) Decadal dynamics of dry alpine meadows under nitrogen and phosphorus additions. *Plant Ecology*
- 2017 **Concilio, A.**, T. Seastedt, and J. Nippert (2017) Changing edaphic conditions and exploitation of an expanded phenological niche allows for increased introduced species dominance. *Plant and Soil*. 415: 299-315
- 2016 **Concilio, A.**, J. Nippert, S. Ehrenfeucht*, K. Cherwin and T. Seastedt (2016) Imposing antecedent global change conditions rapidly alters plant community composition in a mixed-grass prairie. *Oecologia*. 182 (3): 899-911
- 2015 **Concilio, A.**, J. Prev y, P. Omasta*, J. Connor*, J. Nippert, and T. Seastedt (2015) Response of a mixed grass prairie to an extreme precipitation event: Introduced species, soil nitrogen and previous precipitation patterns influence responses. *Ecosphere*. 6(10): 172
- 2015 **Concilio, A.**, T. Vargas and W. Cheng (2015) Effect of an invasive annual grass on rhizosphere priming in invaded and uninvaded soils. *Plant and Soil* 393: 245-257
- 2015 Loik, M.E., A.B. Griffith, H. Alpert, **A. Concilio**, C.E. Wade, and S.J. Martinson (2015) Impact of intra- vs. inter-annual snow depth variation on water relations and photosynthesis for two Great Basin Desert shrubs. *Oecologia*. 178(2): 403-414
- 2014 Tzankova, Z. and **A. Concilio** (2014) Social, logistical, and regulatory factors affecting feasibility of control of a widespread non-noxious invasive species at the edge of its range. *Biological Invasions*. 17(1): 507-527
- 2013 **Concilio, A.** (2013) Effectiveness and cost of downy brome (*Bromus tectorum*) control at high elevation. *Invasive Plant Science and Management*. 6(4): 502-511
- 2013 **Concilio, A.** and M.E. Loik (2013) Elevated nitrogen effects on *Bromus tectorum* dominance and native plant diversity in an arid, montane ecosystem. *Applied Vegetation Science*. 16(4):598-609
- 2013 **Concilio, A.** (2013) The spread of cheatgrass into the Eastern Sierra. *Fremontia*. 41(2): 10-13
- 2013 **Concilio, A.**, M.E. Loik, and J. Belnap (2013) Global change effects on *Bromus tectorum* L. (Poaceae) at its high-elevation range margin. *Global Change Biology*. 19 (1): 161-172
- 2010 Ma, S., **A. Concilio**, B. Oakley M. North, J. Chen (2010) Spatial variability in microclimate in a mixed-conifer forest before and after thinning and burning treatments. *Forest Ecology and Management*. 259: 904-915
- 2009 Ryu, SR, **A. Concilio**, J. Chen, M. North, and S. Ma (2009) Prescribed burning and mechanical thinning effects on belowground conditions and soil respiration in a mixed-conifer forest, California. *Forest Ecology and Management*. 257 (4): 1324-1332

- 2009 **Concilio, A.**, J. Chen, S. Ma and M. North (2009) Precipitation patterns drive inter-annual variation in summer soil respiration in a Mediterranean-climate, mixed conifer forest. *Climatic Change*. 92: 109-122
- 2009 Holl, K., **A. Concilio**, T. Cornelisse, G. Eshete, B. Ferguson, S. Langridge, J.L. Reid, D. Schweizer, J. Torres-Ortega, and M. Vasey (2009) *Review of New Models for Ecosystem Restoration*- Edited by Richard J. Hobbs and Katherine N. Suding. *Restoration Ecology* 17 (4): 562
- 2007 Ongley, L., L. Sherman, A. Armienta, **A. Concilio**, and C. Ferguson Salinas (2007) Arsenic contamination in the soils of Zimapán, Mexico. *Environmental Pollution*. 145 (3): 793-799
- 2007 Holl, K., M. Bonilla, R. Carle, S. Carvill, **A. Concilio**, A. Gabbe, K. Hulvey, E. Kolden, M.L. Krawack, D. Schweizer, and M. Vasey (2007) *Review of Foundations of Restoration Ecology* - Edited by Donald A. Falk, Margaret A. Palmer, and Joy B. Zedler . *Restoration Ecology* 15 (3): 592–593
- 2006 **Concilio, A.**, S. Ma, S.R. Ryu, J. Chen, and M. North (2006) Soil respiration response to burning and thinning from one to three years after experimental treatments. *Forest Ecology and Management*. 228 (1-3): 82-90
- 2005 **Concilio, A.**, S. Ma, Q. Li, J. LeMoine, J.Chen, M. North, R. Jensen, and D. Moorhead (2005) Soil respiration response to burning and thinning in mixed conifer and hardwood forests. *Canadian Journal of Forest Research*. 35 (7): 1581-1591

MANUSCRIPTS IN REVIEW

- Johnson, C.E., P. Beck, **A. Concilio**, K. White, R. Quiros, and M. Wasserman. National parks are essential to Costa Rica's conservation strategy portfolio as indicated by forest characteristics. Submitted to *Conservation Biology*

INVITED TALKS

- 2020 *A virtual plant walk around Commons Ford prairie*, Save Barton Creek Association Happy Hour Speaker Series, May 14, 2020
- 2020 *Response of vegetation and ecosystem services to the Commons Ford prairie restoration treatments*, Travis Audubon, January 9, 2020
- 2019 *Ecological Action & Climate Change*. English-language Library, Angers, France, June 28, 2019
- 2019 *Identifying mechanisms and impacts of exotic plant invasions in an era of global change*. Biology Seminar Series, St. Edward's University, April 2, 2019
- 2017 *Climate change: The greatest challenge of the 21st century*. Dean's Leadership Council, St. Edward's University, Oct 5, 2017
- 2017 *Managing changing landscapes in a human-dominated world*. The Change Institute 2017 Conference. St. Edward's University, Mar 1, 2017
- 2015 *Management of rangeland ecosystems in an era of global change*. Department of Environmental Science, Policy, and Management, University of California, Berkeley, March 13, 2015
- 2015 *Global change effects on rangeland ecosystems of the US West*. Department of Forest, Rangeland, and Fire Sciences. University of Idaho, Feb 25, 2015
- 2014 *Global change effects on the spread of cool-season exotic plants in the Colorado Front Range*. Ecology and Evolutionary Biology Seminar Series, Kansas State University, April 24, 2014
- 2011 *Effects of changing precipitation patterns on the spread of *Bromus tectorum* L. in the eastern Sierra Nevada and implications for management*. Annual meeting of the California Invasive Plant Council. Tahoe City, CA, Oct 5-6, 2011
- 2005 *Women in Ecology: Successes and Obstacles*. Brown Bag Seminar Series, Catherine E. Eberly Women Center, University of Toledo, Toledo, OH, Nov 3, 2005

SELECTED RESEARCH PRESENTATIONS (*denotes undergraduate researcher)

- 2019 **Concilio, A.**, Sherrill, D., and Brewer, A. Winners and losers in a 70-species prairie restoration seed mix in the Texas Hill Country. Texas Society for Ecological Restoration Annual Conference. Galveston, TX, Nov 9, 2019.
- 2019 Rome, O.*, Kang, Y.*, **Concilio, A.** and Quinn, W. Seedbank dynamics before and after a prescribed fire in the Texas Hill Country. Texas Society for Ecological Restoration Annual Conference. Galveston, TX, Nov 9, 2019.

- 2019 Rippel, J.*, O'Donnell, J., O'Donnell, L., and **Concilio, A.** Use of turkey tail fungus (*Trametes versicolor*) to restore soil fertility and improve ecosystem function in degraded Texas Hill Country forests. Texas Society for Ecological Restoration Annual Conference. Galveston, TX, Nov 9, 2019.
- 2019 Tran, V.,* **Concilio, A.** Biodiversity and productivity response to restoration in the Texas Hill Country. Lucian Symposium. St. Edward's University, Sept 27, 2019.
- 2018 de Leon, C.* and **Concilio, A.** Mycorestoration of a *Ligustrum*-invaded urban park in Austin, TX. Texas Society for Ecological Restoration Annual Conference. San Antonio, TX, Nov 10, 2018.
- 2018 Carranza, A.* and **Concilio, A.** Exploring effects of an urban prairie restoration project on public engagement. Texas Society for Ecological Restoration Annual Conference. San Antonio, TX, Nov 10, 2018.
- 2018 Brooks, J.*, Gembarowski, M. *, McOske, C. *, Tumicki, M. *, and **Concilio, A.** Changes in plant and animal diversity and movement in response to shaded fuel break fire mitigation. Texas Society for Ecological Restoration Annual Conference. San Antonio, TX, Nov 10, 2018.
- 2018 Brom, A.*, Ochoa, S., Wilder, B., and **Concilio, A.** Response of insect diversity to prairie restoration at Commons Ford Metropark in Austin, TX. Texas Society for Ecological Restoration Annual Conference. San Antonio, TX, Nov 10, 2018.
- 2018 Woodward, B. and **Concilio, A.** Fitness response of *Asclepias asperula*, antelope horns milkweed, with the inoculation of arbuscular mycorrhizal fungi. Texas Society for Ecological Restoration Annual Conference. San Antonio, TX, Nov 10, 2018.
- 2018 Cunningham, S., Ramirez, A., and * **Concilio, A.** Pollinator plant diversity response to urban prairie restoration in the Edward's Plateau, TX. Lucian Symposium. St. Edward's University, Sept 23, 2018.
- 2018 **Concilio, A.** Sherrill, D. and Brewer. A. Plant diversity response to urban prairie restoration in the Edward's Plateau, TX/ Respuesta de la diversidad de plantas a la restauración de praderas urbanas en el Edward's Plateau, TX. Annual Meeting of the Southwestern Association of Naturalists. San Marcos, TX. April 14, 2018.
- 2017 **Concilio, A.** Vegetation response to prairie restoration treatments at an urban park in Travis County, TX. Texas Society for Ecological Restoration Annual Conference. Denton, TX, Nov 11, 2017.
- 2016 **Concilio, A.** Managing invasive species in an era of global change: Examples from the Eastern Sierra Nevada, California, and the Colorado Front Range. Texas Society for Ecological Restoration. Livingston, TX, Nov 11, 2016.
- 2015 **Concilio, A.,** J. Nippert, and T. Seastedt. Plant community change in response to directional shifts in nitrogen deposition and precipitation seasonality in the Colorado Front Range. Ecological Society of America Annual Conference. Baltimore, MD, Aug 14, 2015.
- 2014 Prevé, J., **A. Concilio,** and T. Seastedt. Climate change and introduced plant species interactions in a semi-arid grassland in North America. School of Plant Biology, University of Western Australia, Nov 19, 2014.
- 2014 **Concilio, A.,** T. Seastedt, and J. Nippert. Global change effects on exotic plant species in the Front Range, CO. Annual meeting of the Guild of Rocky Mountain Ecologists and Evolutionary Biologists. Pinigree Park, CO, Sept 20, 2014.
- 2014 **Concilio, A.,** T. Seastedt, and J. Nippert. Competitive interactions between exotic and native grasses under changing precipitation and increased nitrogen deposition in the Colorado Front Range. Ecological Society of America Annual Conference, Sacramento, CA, Aug 13, 2014.
- 2013 **Concilio, A.,** T. Seastedt, and J. Nippert. Global change effects on the spread of cool-season exotic plants in the Colorado Front Range. Ecological Society of America Annual Conference, Minneapolis, MN, Aug 9, 2013.
- 2012 **Concilio, A.** and M.E. Loik. Elevated nitrogen effects on native plant diversity and *Bromus tectorum* L. dominance in the Eastern Sierra Nevada, CA. Ecological Society of America Annual Conference, Portland, OR, Aug 10, 2012.
- 2012 **Concilio, A.** and M.E. Loik. Non-toxic control options for high elevation populations of *Bromus tectorum* L. in the eastern Sierra Nevada, CA. California Native Plant Society Conservation Conference. Jan 12, 2012.
- 2011 **Concilio, A.** and M.E. Loik. Effects of global change on high elevation populations of *Bromus tectorum* in the eastern Sierra Nevada, CA. Ecological Society of America Annual Meeting, Austin, TX, Aug 11, 2011.

- 2010 **Concilio, A.** and M.E. Loik. Control options for high elevation patches of cheatgrass (*Bromus tectorum* L.) in the Eastern Sierra Nevada, CA. California Society for Ecological Restoration (SERCAL) annual meeting, Mammoth Lakes, CA, May 19-20, 2010.
- 2009 **Concilio, A.** and M.E. Loik. Management of high elevation populations of *Bromus tectorum* L. Restoring the West Conference, Logan, UT, Oct 27-28, 2009.
- 2009 **Concilio, A.** and M.E. Loik. Effects of global change on the invasion of *Bromus tectorum* at high elevation in the eastern Sierra Nevada, CA. Ecological Society of America Annual Meeting, Albuquerque, NM, Aug 2-7, 2009.
- 2009 **Concilio, A.** Factors affecting ecosystem invasibility by *Bromus tectorum* L. in the eastern Sierra. UCSC Plant Science Symposium. Santa Cruz, CA, Jan 31, 2009.
- 2008 **Concilio, A.** and M.E. Loik. Climatic and edaphic drivers of ecosystem invasibility by *Bromus tectorum* L. in the eastern Sierra Nevada. CEREC Symposium. Bishop, CA, Nov 5-8, 2008.

GRADUATE STUDENT RESEARCH PROJECTS ADVISED

- 2018 Becky Woodward - Fitness response of *Asclepias asperula*, antelope horns milkweed, with the inoculation of arbuscular mycorrhizal fungi
- 2018 Elayna Grove – Wildlife diversity and abundance in invaded and native urban forest stands of Austin, TX
- 2018 Adriana Lee – Ecosystem function response to remediation of an old dump site at Wild Basin Wilderness Preserve
- 2018 Faith Chonko - Environmental and ownership factors contributing to produce availability in convenience stores
- 2017 Leslie Roberts, Ashley Bussell, Nico Gonzalez - Characterizing heavy metals in bridge deck runoff: A rainfall simulation study
- 2017 Nicole Moore, John Gonzalez - Sampling Travis County's water for lead contamination
- 2016 Savannah Bryson, Abigail Kropf, Eric Johnson - Effectiveness and feasibility of privet control techniques in riparian areas of Wild Basin

UNDERGRADUATE STUDENT RESEARCH PROJECTS ADVISED

- 2019 Hailey Reier - Costs and benefits of campus trees at St. Edward's University. *Senior Research*
- 2019 Yeji Kang and Olivia Rome - Seedbank dynamics before and after a prescribed fire in the Texas Hill Country. *Senior Research*
- 2019 Jack Ripple - Use of turkey tail fungus (*Trametes versicolor*) to restore soil fertility and improve ecosystem function in degraded Texas Hill Country forests. *Senior Research*
- 2019 Vinh Tran – Biodiversity and productivity response to restoration in the Texas Hill Country. *Freshman SCIE 1999 Research Experience*
- 2019 Grace DeLucia - How do formative environmental influences impact career path? *Honors Thesis Research*
- 2018 Clarissa Mae de Leon – Mycorestoration of a *Ligustrum*-invaded urban park in Austin, TX. *McNair Scholar Research*
- 2018 Karolyn Newton - How to Maximize Vitamin N(ature): Determining the indicators of green space use in Austin, Texas. *Honors Thesis Research*
- 2018 Jonathon Brooks, Michael Gembarowski, Conlon McOsker, and Madison Tumicki - Changes in plant and animal diversity and movement in response to shaded fuel break fire mitigation. *Senior Research*
- 2018 Aileen Brom, Shirley Ochoa, and Bowen Wilder - Response of insect diversity to prairie restoration at Commons Ford Metropark in Austin, TX. *Senior Research*
- 2018 April Carranza- Exploring effects of an urban prairie restoration project on public engagement. *Senior Research*
- 2018 Stella Cunningham and Abigail Ramirez – Pollinator plant diversity response to urban prairie restoration in the Edward's Plateau, TX. *Freshman SCIE 1999 Research Experience*
- 2017 K. Zwiesineyi Chindori-Chininga - The dynamics of the rise and fall of the Zimbabwean economy in 1970-2010 as an impact of fluctuating agricultural productivity. *McNair Scholar Research*

Curriculum Vitae

- 2015 Anna Amidon, Ian Lenney, Josi Pearson, Paul Ramseth – Perceptions of the Animas River Gold King Mine Spill. *Senior Thesis Research*
- 2014 Summer Sugg – Seed dispersal patterns and community assembly after an extreme event. *UROP*
- 2014 Peter Omasta – Cheatgrass response to an extreme event. *UROP project*
- 2013 Summer Sugg, Oren Rabanowitz, Michael Mann, and Johanna Protheroe – Plant colonization on landslides after an extreme event. *UROP project*
- 2011 Brenna Blessing – Effectiveness of non-chemical methods of cheatgrass control; James Hanson – Germination rates of seedlings exposed to different snowpack levels. *Senior Thesis Research*
- 2010 Michael Kanning – Cheatgrass response to changing snowpack. *Senior Thesis Research*

GUEST LECTURES

- *Scientific evidence for anthropogenic climate change*, Upper-division undergraduate course in Climate Change, St. Edward's University, Austin, TX, January 22, 2020
- *Affluenza* - Lower-division undergraduate course in Sustainability, St. Edward's University, Austin, TX, Sept 30, 2019
- *Invasive species spread and management in an era of global change*. Upper-division undergraduate course in Ecology, St. Edward's University, Austin, TX, Feb 13, 2017
- *Snowmobiles in Yellowstone*. Upper-division undergraduate course in Environmental Policy, St. Edward's University, Austin, TX, Oct 25, 2016
- *Interdisciplinary research methods for invasive species management*. Upper-division undergraduate course in Methods in Environmental Studies, Fort Lewis College, Durango, CO, Dec 8, 2015
- *Climate change research in China*. Introductory undergraduate course in Geography, Fort Lewis College, Durango, CO, Nov 30, 2015
- *Roots of the US environmental justice movement*. Introductory undergraduate course in Environmental Studies, Fort Lewis College, Durango, CO, Oct 15, 2015
- *Invasive species, global change, and ecosystem transformation in the US West*. Upper-division undergraduate course on Methods in Environmental Studies, Fort Lewis College, Durango, CO, Oct 9, 2014
- *Global change and plant communities in the Front Range*. Field trip leader for STEM in Action program with students from Foothills Community College, June 13, 2014
- *Role of introduced species as an ecosystem science issue*. Upper-division undergraduate Ecosystem Ecology course, University of Colorado, Boulder, April 28, 2014
- *The climate system*. Upper-division undergraduate Ecosystem Ecology course, University of Colorado, Boulder, January 24, 2014
- *Emerging topics in Invasion Biology*. Upper-division undergraduate Intervention Ecology course, University of Colorado, Boulder, Sept 17, 2013
- *Restoration of invaded habitats*. Upper-division undergraduate Restoration Ecology course, UC Santa Cruz, Aug 6, 2012
- *The carbon cycle*. Upper-division undergraduate Biogeochemistry course, UC Santa Cruz. March 5, 2007

PEER-REVIEW SERVICE FOR ACADEMIC JOURNALS

Reviewer for: *American Journal of Botany*, *American Midland Naturalist*, *Biological Journal of the Linnean Society*, *Climatic Change*, *Ecosphere*, *Ecosystems*, *Environmental Earth Sciences*, *Forest Ecology and Management*, *Global Change Biology*, *Invasive Plant Science and Management*, *Journal of Applied Ecology*, *Journal of Arid Land*, *Journal of Plant Ecology*, *Oecologia*, *Plant Ecology*, *Plant Ecology & Diversity*, *Plant & Soil*, *Weed Science*

ACADEMIC SERVICE

Texas Society for Ecological Restoration

- Judge for graduate research presentations – TXSER Annual Conference, 2018 & 2019

St Edward's University

- Institutional Review Board, 2019 -
- Tree Campus USA Committee, 2018 -
- Sustainability Committee, 2018 -

Curriculum Vitae

- Reviewer for undergraduate research journal - J-Source, 2017
- Interdisciplinary Scholars Program faculty mentor, 2016-
- SEU delegate for the Organization for Tropical Studies, 2016-
- Content and Context: Science committee for the General Education Review, 2016-2017

University of California, Santa Cruz

- Student Organizing Committee, California Native Plant Society 2012 Conservation Conference
- Steering Committee, UCSC Environmental Studies Graduate Students, 2008-2009
- Graduate Committee, Graduate Student Representative for department, UCSC, 2008-2009

University of Toledo

- Departmental Representative, Graduate Student Association, 2004
- Graduate Student Association Representative on Health Care, 2004
- Officer (VP, Secretary), Society for Environmental Education, 2003-2004

COMMUNITY SERVICE

- Planning Committee for Teacher Conservation Institute: Urban Connections (TCI), with Texas Forest Service, Texas Forestry Association, and City of Austin, Winter- Summer 2020
- Natural Systems Advisory Committee for the Community Climate Action Plan 2020 Update, City of Austin, Fall 2019 - Summer 2020
- Commons Ford Prairie Restoration Organization, Vegetation ecologist, 2017 - ongoing
- Urban Wildlife Information Network (UWIN), member of the Austin team, 2017- ongoing

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Ecological Society of America, member since 2004
- Union of Concerned Scientists, Science Network member since 2006
- Society for Ecological Restoration - Texas Chapter, member since 2016
- Association for Environmental Studies and Sciences, member since 2017