

Amy Concilio

Environmental Science and Policy Program, School of Behavioral & Social Sciences
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EDUCATION

Ph.D., Santa Environmental Studies, University of California Cruz, 2012. Dissertation: *Bromus tectorum* invasion and global change: Likelihood of spread and feasibility of control.

M.S. Ecology, University of Toledo, 2005. Thesis: Interannual variability in soil respiration and response to experimental burning and thinning in an old growth mixed-conifer forest.

B.A. Chemistry, Providence College, with Minors in Environmental Studies and Spanish, 1999.
Senior Research: Arsenic bioavailability in soils and sediments of Zimapán, Hidalgo, Mexico.

PROFESSIONAL APPOINTMENTS

2020- Associate Professor of Environmental Science, St. Edward's University, Austin, TX

2016-20 Assistant Professor of Environmental Science, St. Edward's University, Austin, TX

2015-16 Visiting Professor of Environmental Studies, Fort Lewis College, Durango, CO

2013-15 Postdoctoral Scholar, University of Colorado-Boulder, Boulder, CO

2005-06 Science Associate, National Ecological Observatory Network, Washington, D.C.

PEER-REVIEWED PUBLICATIONS (*denotes undergraduate researcher)

2024 **Concilio, A.**, Johnson, C.E., Tashjian, L. *, Dedeaux, C. * (2024) Vegetation response to a decade of grassland restoration treatments at an urban preserve in Austin, TX. *Ecological Restoration*.

2024 **Concilio A.L.**, Lazo Macik M., Wu X.B. (2024) An interrupted case study on urban prairie restoration. *Course Source*.

<https://qubeshub.org/community/groups/coursesource/publications?id=4702&v=1>

2023 Johnson, C.E., K.A. Tafoya, P. Beck, **A. Concilio**, K.E. White, R. Quiros, M.D. Wasserman. 2023. Primate richness and abundance is driven by both forest structure and conservation scenario in Costa Rica. *PLoS ONE* 18(9): e0290742

2020 Vargas, T., **A. Concilio**, L.G. Woyann, R.H.S. Santos, and W. Cheng (2020) Rhizosphere priming on N mineralization in vegetable and grain crop systems. *Plant and Soil*. 452: 281-293

2020 Seastedt, T., C.T. White, C. Tucker, E.M. Beaury, **A. Concilio**, E. Gasarch, V. Haggans, and J. Smith (2020) Decadal dynamics of dry alpine meadows under nitrogen and phosphorus additions. *Plant Ecology*. 221: 647-658

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. Prevéy, 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 Zimapan, 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 PREPARATION (*denotes undergraduate researcher)

- Hosek, G.* and **Concilio, A.** (*in preparation*) Best practices for managing ornamental invasive species in the Balcones Canyonlands Preserve using community education and incentive programs. *Invasive Plant Science and Management*.
- Concilio, A.**, Ordoveza, M.*, Tashjian, L. *, and O'Keefe, K. (*in preparation*) Restoration of grasslands increases maintenance of floral resources during extreme drought. *Ecological Restoration*.

AWARDS & FELLOWSHIPS

- 2025 Innovation Fellow, Center for Teaching Excellence, St. Edward's University
- 2025 Research, Scholarship & Creative Works (RSCW) course reassignment for research on climate change, invasive species, and land management, St. Edward's University
- 2022 Air Central Texas Environmental Education Award, Capitol Area Council of Government's Air Quality Program and Clean Air Coalition
- 2021 Prairie Project Fellow, Texas A & M University
- 2020 Distinguished Teaching Award, St. Edward's University
- 2020 Richard B. Hughes Teaching Award, School of Behavioral and Social Sciences
- 2012 First Place, Student Poster Contest, California Native Plant Society Conservation Conference
- 2011 University of California Chancellor's Dissertation Year Fellowship
- 2011 Outstanding Teaching Assistant Award, UC Santa Cruz
- 2010 Best Poster Presentation, California Society for Ecological Restoration Annual Meeting
- 2007 EPA STAR Fellowship, Environmental Protection Agency

RESEARCH GRANTS & COURSE DEVELOPMENT AWARDS

- 2025 Society for Ecological Restoration Partnership Fund Grant for development of the Texas chapter's "ROOTS Program - Restoration Outreach and Opportunities for Texas Students", \$5000
- 2025 Presidential Excellence Grant for research on "Floral resources response to drought in invasive and native grasslands of Central Texas", St. Edward's University, \$5,000
- 2024 City of Austin Urban Forestry Grant for "St. Edward's University climate-resilient urban forest living laboratory research and outreach", Co-PIs Jim Morris, Roy Johnson, and Steve Fletcher, \$30,000

Amy L. Concilio - Curriculum Vitae

- 2024 Teaching, Learning, and Technology Roundtable Award for “Measuring and monitoring resiliency of urban trees to climate change in an environmental science course using authentic, inquiry-based learning”, St. Edward’s University, \$5,000
- 2022 Presidential Excellence Grant for research on “Carbon storage potential of native restored grassland soils of the Texas Hill Country”, St. Edward’s University, \$5,000
- 2021 Institute for Interdisciplinary Science (i4) Research Opportunity Award for “Assessing the impact of drought on Central Texas grassland communities” with Co-PI Dr Kimberly O’Keefe, School of Natural Sciences, St. Edward’s University, \$30,000
- 2021 Presidential Excellence Grant for research on “Climate change impacts on native and invasive grasslands of the Texas Hill Country”, St. Edward’s University, \$5,000
- 2020 Presidential Excellence Grant for research on “Impacts of drought on ecosystem function and services in the Texas Hill Country”, St. Edward’s University, \$5,000
- 2019 SPICE Scholarship, Pedagogical Innovation, Creative Expression course reassignment for research on “Benefits of prairie restoration in urban green spaces”, St. Edward’s University
- 2019 Ecolab Agreement with landowner Mr. Christopher Harte for research on “Climate change and land use impacts on TX Hill Country grassland and forest ecosystems”, \$9000 total since 2019(on-going)
- 2018 Presidential Excellence Grant for research on “Benefits of prairie restoration in urban green spaces”, St. Edward’s University, \$5,000
- 2018 BBVA Compass Community Grant for “Water quality research in low-income communities”, \$5,000
- 2017 Teaching, Learning, and Technology Roundtable Award for “Environmental contaminant mapping and monitoring in Travis County”, St. Edward’s University, \$5,000
- 2017 Commons Ford Prairie Committee & Travis Audubon Society, Vegetation monitoring award, \$2000
- 2017 P-SPICE Scholarship, Pedagogical Innovation, Creative Expression course reassignment for “Development of Texas-based research program in restoration ecology”, St. Edward’s University
- 2011 California Native Plant Society Educational Grant
- 2009 Hammett Fund Award for Research on Water Management and Climate Change, UC Santa Cruz
- 2009 Mildred E. Mathias Graduate Student Research Grant, UC Natural Reserve System
- 2008 Valentine Eastern Sierra Reserve Graduate Student Grant, UC Reserve System
- 2007 Graduate Grant, STEPS Institute for Innovation in Environmental Research, UC Santa Cruz

TEACHING EXPERIENCE

Courses that I developed and added to the curriculum have an asterisk*. Graduate courses at St. Edward’s University were taught for a Professional Science Master’s program in Environmental Management and Sustainability during my first two years, which was subsequently cut.

St. Edward’s University Undergraduate Courses

The Art & Science of Environmental Narratives, Honors course co-taught with Dr. Sasha West (SP24)*
Chemistry in the Environment (annually since SP17)
Civic Ecology Practicum (SP26)*
Climate Change Science, Impacts, and Responses (SU16, SP18, annually since 2022)*
Environmental and Ecological Field Methods (SP19)*
Environmental Science (every semester since FA16)
Freshman Seminar in Sustainable Food Systems (FA20, FA21, FA22)*
Internship Experience (FA19, SU19)
Introduction to Sustainability (SP23)
Natural Resources Conservation and Management (FA18, SP21, SP23, FA25)*
Research Experience in Environmental Science and Policy (FA18, FA20, FA24, FA25)
Texas Ecology (FA21, SP25)*

St. Edward’s University Graduate Courses

Applied Research (SP15, SP16, SP17)
Community Ecology (SP17, SP18)
Population Ecology (FA16, FA17)

Amy L. Concilio - Curriculum Vitae

Internship (SP17, SP18)

Fort Lewis College Undergraduate Courses

Climate Change Science, Impacts, and Responses (SU16)*
Environmental Studies Colloquium, Fort Lewis College (FA15)
Introduction to Environmental Studies, Fort Lewis College (FA15, SP16)
Methods in Environmental Studies, Fort Lewis College (SP16)
Senior Seminar, Fort Lewis College (SP16)

Courses taught as adjunct instructor

Principles of Ecology (SU12) + Ecology lab, Berkeley City College (FA12)
The Physical and Chemical Environment, University of California-Santa Cruz (SU12)
Resource Management, Graduate course co-taught with Dr. Jae Pasari, University of San Francisco (FA12)

Study Abroad & Field Courses

Climate Change Science & Solutions, Angers, France (SP20)*
Urban Sustainability, Angers, France (SP20)*
Global Sustainability Challenges: A European Perspective, Angers, France (SU19)*
Yellowstone Threatened Species, Wildland Studies, co-taught with Dr. Veronica Yovovich (SU18)
Tropical Ecology & Conservation in Costa Rica, graduate field course co-taught with Dr. Peter Beck (SU17)*

CURRICULUM DEVELOPMENT

Revised Environmental Science and Policy program, created policy and science tracks, 2024
Developed Environmental Management Certificate program, 2022
Developed study abroad course for SEU faculty teaching at UCO, Angers, France, 2019-2020
Developed 3+2 undergraduate plus graduate program for Environmental Management, 2019 (not adopted due to delays and challenges associated with the pandemic)
Developed courses to meet General Education requirements in Natural Sciences (2), Writing Rich (2), Diverse American Perspectives (1), Experiential Learning for Social Justice (3), Global Perspectives (1)
Revised SLOs for the general education requirement for Natural Science, 2016-2017

STUDENT RESEARCH PROJECTS ADVISED

All were Master's and undergraduate students at St. Edward's University unless otherwise noted. Topics include: impacts of restoration on ecosystem services, impacts of drought on grasslands, impacts of vegetation cover and management on carbon storage in plants and soils, invasive species management using ecological and social science methods, impacts of forestry management treatments in the WUI on carbon storage, plant diversity, wildlife movement, and resilience of the tree canopy, among others.

Liz Payne, <i>Honors Thesis Research</i>	2025- (<i>research ongoing</i>)
Harsh Vibhuti & Analee Maharaj, <i>Hook Fellowship Research</i>	2025- (<i>research ongoing</i>)
Grace Hosek, <i>Hook Fellowship Research</i> , and <i>ENSP Senior Capstone Research</i>	2022-24 (<i>research ongoing</i>)
Isaiah Karas, <i>ENSP Senior Capstone Research</i>	2024
Jack Hennessey, <i>ENSP Senior Capstone Research</i>	2024-25
Nina Collard, <i>Hook Fellowship Research</i>	2024-25
Nina Collard, Co-advised with Dr. Sasha West, <i>Honors Thesis Research</i>	2024-25
Katie Gay, Hailey Green, Olivia Prior, & Ryan Riojas, <i>ENSP Senior Capstone Research</i>	2023-24
Cameron Crowder, <i>McNair Scholar Research</i>	2022-24
Maya Soojhai, <i>Honors Thesis Research</i>	2023-24
Anyka Morquecho, <i>Interdisciplinary Scholar Thesis Research</i>	2024
Margaux Ordoveza, <i>ENSP Senior Capstone Research</i>	2022-24
Ava Enriquez, John Scott & Maya Soojhai, <i>ENSP Senior Capstone Research</i>	2022-23
Victoria Avila & Jessie Richards. <i>ENSP Senior Capstone Research</i>	2022
Janiece Jefferson. <i>McNair Scholar Research</i>	2021-23
Laurel Tashjian. <i>Mount Holyoke College, Senior Thesis</i>	2021 (<i>research ongoing</i>)
Camille Dedeaux & Meriam Elawad. <i>Hook Research, ENSP Senior Capstone Research</i>	2021 (<i>research ongoing</i>)
Janiece Jefferson & Rae Bennet. <i>IUSE 8-week Summer Research</i>	2021

Amy L. Concilio - Curriculum Vitae

Flor Flores Jaimes. <i>McNair Scholar Research</i>	2021
Ederé Ohwobete. <i>McNair Scholar, Honors Thesis</i>	2021
Logan Sigel. <i>Honors Thesis Research</i>	2020-21
Natalie Turner. <i>ENSP Senior Capstone Research</i>	2020-21
Colton Mitchel, <i>Hook Fellow & ENSP Senior Capstone Research</i>	2020-21
Andres Targa & Anna Qualls. <i>ENSP Senior Capstone Research</i>	2020-21
Natalie Cuellar. <i>ENSP Senior Capstone Research</i>	2020
Paloma Ridge-Rojas & Jose G. Zuniga. <i>ENSP Senior Capstone Research</i>	2020
Abril Gurrola, Yolanda Guzman, and Natalia Zaragoza. <i>Senior Capstone Research</i>	2020
Vinh Tran, <i>IUSE 8-week Summer Research Experience (2 summers)</i>	2018-20
Hailey Reier, <i>ENSP Senior Capstone Research</i>	2018
Yeji Kang and Olivia Rome, <i>ENSP Senior Capstone Research</i>	2018-19
Jack Ripple, <i>Hook Fellowship Research & ENSP Senior Capstone Research</i>	2018-19
Grace DeLucia, <i>Honors Thesis Research</i>	2017-18
Becky Woodward, <i>Hook Fellow & Master's research for MSEM degree</i>	2017-18
Elayna Grove, <i>Hook Fellow & Master's research for MSEM degree</i>	2017-18
Adriana Lee, <i>Hook Fellow & Master's research for MSEM degree</i>	2017-18
Faith Chonko, <i>Master's research for MSEM degree</i>	2017-18
Clarissa Mae de Leon, <i>McNair Scholar Research</i>	2017-18
Karolyn Newton, <i>Honors Thesis Research</i>	2017-18
Jon Brooks, Michael Gembarowski, Conlon McOsker, & Madison Tumicki <i>ENSP Senior Capstone Research</i>	2017-18
Aileen Brom, Shirley Ochoa, and Bowen Wilder, <i>ENSP Senior Capstone Research</i>	2017-18
April Carranza, <i>ENSP Senior Capstone Research</i>	2018
Allison Dean, Heather Gardener, and Mary Knothe, <i>ENSP Senior Capstone Research</i>	2018
Stella Cunningham and Abigail Ramirez, <i>SCIE Freshman Research Experience</i>	2018
Leslie Roberts, Ashley Bussell, Nico Gonzalez, <i>Hook Fellow & Master's research</i>	2016-17
Nicole Moore and John Gonzalez, <i>Master's research for MSEM degree</i>	2016-17
K. Zwiesineyi Chindori-Chininga, <i>McNair Scholar Research</i>	2017
Savannah Bryson, Abigail Kropf, Eric Johnson, <i>Master's research for MSEM degree</i>	2016
Anna Amidon, Ian Lenney, Josi Pearson, Paul Ramseth <i>Senior Thesis Research, Fort Lewis College</i>	2015
Summer Sugg, <i>UROP research, University of Colorado, Boulder</i>	2014
Peter Omasta, <i>UROP project, University of Colorado, Boulder</i>	2013-14
Oren Rabanowitz, Michael Mann, Johanna Protheroe, <i>UROP project, CU Boulder</i>	2013
Brenna Blessing, <i>Senior Thesis Research, University of California-Santa Cruz</i>	2011
Michael Kanning, <i>Senior Thesis Research, University of California-Santa Cruz</i>	2010

INVITED TALKS & WORKSHOPS

- Webinar panelist, Creating Nature Rich Texas College Campuses, University of Houston Institute for Ecological Resilience, Jan 2026
- Panelist and workshop leader, Climate Hub Partnership Project Education and Outreach Cohort Workshop, Texas A&M University, June 2025
- Webinar panelist, Advising Undergraduate Student Research. Office of Undergraduate Research Mentoring Series, St. Edward's University, March 2025
- Panelist and workshop leader, Science Curriculum Writing Workshop on the Southern Great Plains, The Prairie Project Texas A&M, St. Edward's University, Nov 16, 2024
- Panelist and workshop leader, Climate Hub Partnership Project Education and Outreach Cohort Workshop, Texas A&M University, June 17, 2024
- Keynote address, Texas Chapter Society for Range Management Annual Meeting, Victoria, TX, Oct 2024
- Earth Day speaker, St. Stephen's Episcopal School, April 2023
- Speaker, Young Women in Conservation Program, Ann Richards School, Feb 2021
- Seminar Series Speaker, Travis Audubon, Feb 2021
- Wild Basin's Science Live! Series, Film participant and speaker for a follow-up Q&A, April 2021

Amy L. Concilio - Curriculum Vitae

Speaker, Save Barton Creek Association Happy Hour Speaker Series, 2020
Seminar Series Speaker, Travis Audubon, January 2020
Workshop speaker, Sustainability event, English-language Library in Angers, France, June 2019
Biology Seminar Series, Trinity University, San Antonio, TX, Oct 2019
Native seed workshop leader, Sustainability event at Thinkery21, August 2019
Biology Seminar Series, St. Edward's University, April 2019
Speaker for Dean's Leadership Council, St. Edward's University, Oct 2017
Speaker for The Change Institute Conference, St. Edward's University, Mar 2017
Seminar series speaker, Department of Environmental Science, Policy, and Management, University of California, Berkeley, March 2015
Seminar series speaker, Department of Forest, Rangeland, and Fire Sciences, University of Idaho, Moscow, ID, Feb 2015
Seminar speaker, Ecology and Evolutionary Biology Seminar Series, Kansas State University, April 2014
Workshop leader, STEM in Action field trip leader, students from Foothills Community College, June 2014
Plenary speaker, Annual Meeting of the California Invasive Plant Council. Tahoe City, CA, Oct 2011

CONFERENCE PRESENTATIONS (*denotes undergraduate researcher)

- 2025 **Concilio, A.**, R. Katz*, M. Ordoveza*, and K. O'Keefe. Increasing ecosystem resilience through restoration in Central Texas grasslands. World Conference on Ecological Restoration, Oct 1-4, 2025, Denver, Colorado, USA
- 2025 Feldman, M., **A. Concilio**, R. Johnson, V. Chavez*, K. Gay*, and Fletcher, S. (Panel presentation). Getting your campus green grounds certified: A case study on collaboration at St. Edward's University. Annual meeting of the Texas Regional Alliance for Campus Sustainability, San Marcos, Texas, April 6-8, 2025
- 2025 Hosek, G.*, J. Zivin*, H. Poore-Pekar*, J. Zavala*, S. Calvin*, R. Johnson, **A. Concilio**, S. Fletcher, E. Johnson, and J. Morris. Creating common ground: crafting campus spaces for community and education. Annual meeting of the Texas Regional Alliance for Campus Sustainability, April 6-8, 2025, San Marcos, Texas
- 2025 Phillips, L*, West, S*, **A. Concilio**, and E. Johnson, Microclimate of St. Edward's University: Where to stay cool at school. Annual meeting of the Texas Regional Alliance for Campus Sustainability, April 6-8, 2025, San Marcos, Texas
- 2025 Vibhuti, H.*, I. Haddad*, **A. Concilio**, J. Hennessy*, A. Valencia*, R. Johnson, S. Fletcher, E. Johnson, and J. Morris. Using our campus as a Living Laboratory to measure resilience of the urban canopy. Annual meeting of the Texas Regional Alliance for Campus Sustainability, April 6-8, 2025, San Marcos, Texas
- 2024 Hosek, G.*, **A. Concilio**, R. Woodward and J. Murray. Best practices for managing ornamental invasive species in the Balcones Canyonlands Preserve using community education and incentive programs. Texas Society for Ecological Restoration Annual Conference, Houston, Texas, Nov 7-9, 2024
- 2024 Katz, R.*, A. Dale*, E. Payne*, S. Zambrano*, **A. Concilio** and K. O'Keefe. Root traits of native and invasive grass in the Texas Hill Country. Texas Society for Ecological Restoration Annual Conference, Houston, Texas, Nov 7-9, 2024
- 2024 **Concilio, A.** Training the next generation of range scientists and managers, Keynote address at the Annual meeting of the Texas Chapter of the Society for Range Management. October 16-17, 2024, Victoria, Texas
- 2024 **Concilio, A.** Integrating service-learning projects into environmental courses to help achieve campus sustainability goals, Annual meeting of the Texas Regional Alliance for Campus Sustainability, South Padre Island, Texas, January 29-31 2024
- 2023 **Concilio, A.**, K. O'Keefe, M. Ordoveza*, and J. Jefferson*. Restoration planning for a drier, hotter climate in Central Texas. Texas Society for Ecological Restoration Annual Conference, El Paso, Texas, Oct 12-14, 2023
- 2023 Avila, V.*, J. Richards*, N. Pete*, E. Paulus, and **A. Concilio**. Effects of ecological restoration of formerly mowed parklands on soil function in Roy G. Guerrero Colorado River Metro Park, Austin, TX. Texas Society for Ecological Restoration Annual Conference, El Paso, Texas, Oct 12-14, 2023

- 2023 Crowder, C.*, R. Johnson, and **A. Concilio**. Effects of biochar-compost product blends on switchgrass growth rates. Texas Society for Ecological Restoration Annual Conference, El Paso, Texas, Oct 12-14, 2023
- 2023 Hosek, G.*, O. Prior*, R. Johnson, S. Fletcher, and **A. Concilio**. Impacts of native trees in an urban food forest on soil fertility and hydrologic function. Texas Society for Ecological Restoration Annual Conference, El Paso, Texas, Oct 12-14, 2023
- 2023 **Concilio, A.**, L. Tobias*, M. Ordoveza*, R. Johnson, and J. Morris. Strategies for growing and maintaining campus gardens and food forests. Texas Regional Alliance for Campus Sustainability, College Station, Texas, April 3-4 2023
- 2022 Avila, V.*, J. Richards*, N. Pete*, E. Paulus and **A. Concilio**. Effects of ecological restoration of formerly mowed parklands on soil function in Roy G. Guerrero Park, Austin, TX. Texas Society for Ecological Restoration Annual Conference. Austin, TX, Nov 17-19, 2022
- 2022 Enriquez, A.*, J. Scott*, M. Soojhai* and **A. Concilio**. Impacts of ecological restoration on soil physical and chemical characteristics in grasslands of the Texas Hill Country. Texas Society for Ecological Restoration Annual Conference. Austin, TX, Nov 17-19, 2022
- 2022 Ordoveza, M.*, **A. Concilio** and K. O’Keefe. Floral resources in native grasslands yield better tolerance responses to drought conditions compared to *Bothriochloa ischaemum*-dominated grasslands in the Texas Hill Country. Texas Society for Ecological Restoration Annual Conference. Austin, TX, Nov 17-19, 2022
- 2022 **Concilio, A.** B. Wu, and M. Macik. Impacts of an interrupted case study focused on urban prairie restoration on student knowledge and perspectives of rangeland ecosystems. Annual meeting of the Ecological Society of America. Montreal, Canada. August 14-19, 2022
- 2021 **Concilio, A.** - *Panelist*. Teaching the American West with *High Country News*. American Association of Geographers Annual Meeting, Virtual, April 7-11, 2021
- 2021 Sigel, L.*, N. Turner*, and **A. Concilio**. Carbon storage in privet-invaded forests of Central Texas: Another reason to restore invaded forests? Society for Ecological Restoration. 9th World Conference on Ecological Restoration, June 21-24, Virtual.
- 2021 **Concilio, A.**, S. Cunningham*, J. Moncayo*, V. Tran*, A. Venzon*, and D. Sherrill. Response of vegetation and ecosystem services to prairie restoration treatments in Austin, TX. Society for Ecological Restoration. 9th World Conference on Ecological Restoration, June 21-24, Virtual.
- 2020 Tran, V. *, and **A. Concilio**. An assessment of Austin’s urban forest ozone mitigation potential. Lucian Symposium, St. Edward’s University, Sept. 25, 2020
- 2019 **Concilio, A.**, D. Sherrill, and A. Brewer. 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.*, Y. Kang*, **A. Concilio**, and W. Quinn. 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.*, J. O’Donnell, L. O’Donnell, and **A. Concilio**. 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.* and **A. Concilio**. 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 **A. Concilio**. 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 **A. Concilio**. 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.*, M. Gembarowski *, C. McOsker*, M. Tumicki*, 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.*, S. Ochoa*, B. Wilder*, and **A. Concilio**. 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.*, A. Ramirez*, and **A. Concilio.** 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.,** D. Sherrill, and A. Brewer. Plant diversity response to urban prairie restoration in the Edwards Plateau, TX/ Respuesta de la diversidad de plantas a la restauración de praderas urbanas en el Edwards 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 Prevéy, 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.

SERVICE TO THE UNIVERSITY

St Edward's University

Academic Community for Environmental Sustainability (ACES) working group, 2022 -

Amy L. Concilio - Curriculum Vitae

Strategic Plan 2027 Infrastructure & Resources Committee, 2022- 2024
Faculty advisor for the St Edward's Ecological Society, 2021-2024
Food Forest Guild, 2022 -
Roundtable discussion & workshop leader, Annual Teaching Symposium, 2018, 19, 20
Tree Campus Higher Ed Committee, 2018 -
Sustainability Committee, 2018 -
Interdisciplinary Scholars Program faculty mentor, 2016-
BSS Research Awards Committee, 2020- 2022
Institutional Review Board, 2019- 2021
SEU delegate for the Organization for Tropical Studies, 2016-2021
Natural Science SLO Committee for the General Education Review, 2016-2017
Reviewer for undergraduate research journals: *J-Source*, *McNair*

SERVICE TO MY DISCIPLINE

Board service for professional societies

Board president, Texas Society for Ecological Restoration, 2023-
Board Secretary, Texas Society for Ecological Restoration, 2021-2022
Board member, Texas Society for Ecological Restoration, Active participant Communications, Retreat, & Conference Committees (2021-)
North American Coordinating Committee, Society for Ecological Restoration (2024-)
Chapter Relations Committee Society for Ecological Restoration (2024-)

Conference judge and moderator

Judge for student presentations: Society for Ecological Restoration Annual Conference (2021)
Judge for student presentations: Texas Society for Ecological Restoration Conference (2018, 19, 22, 23)
Moderator: Texas Society for Ecological Restoration (2022, 23, 24, 25)
Moderator: SOURCE undergraduate research symposium, St. Edward's University (2021, 22, 23, 24, 25)
Moderator: Society for Ecological Restoration (2025)

Service on external committees

Texas Regional Alliance for Campus Sustainability (TRACS), Conference committee, 2025-26
Community Engagement Committee, Hill Country Conservation Network, 2021-
Austin Wildlife Watch, Urban Wildlife Information Network (UWIN), 2018-
Central Texas Arból Equity Collective, 2023-
Planning Committee for Teacher Conservation Institute: Urban Connections (TCI), with Texas Forest Service, Texas Forestry Association, and City of Austin, 2020
Natural Systems Advisory Committee for the Austin Climate Equity Plan, City of Austin's Office of Sustainability, 2019- 2020

Peer-reviewer for: *American Journal of Botany*; *American Midland Naturalist*; *Arctic, Antarctic and Alpine Research*; *Biological Journal of the Linnean Society*; *Climatic Change*; *Course Source*; *Ecology*; *Ecology and Evolution*; *Ecological Processes*; *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*; *Restoration Ecology*; *Sustainability*

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Ecological Society of America, member since 2004
Society for Ecological Restoration, member since 2011
Texas Society for Ecological Restoration, member since 2017
Texas Native Plant Society, member since 2024
California Native Plant Society, member 2006-12
California Invasive Plant Council, member 2008-12

COMMUNITY SERVICE & OUTREACH

Manage social media for the St. Edward's University Environmental Science and Policy program
Outreach and social media for the Texas Society for Ecological Restoration

Amy L. Concilio - Curriculum Vitae

Organizing team for events related to the St. Edward's University Food Forest
Organizing team for the St. Edward's University Climate Justice Teach-in
Speaker on native plants and climate change for a range of community events
Frequently interviewed for news articles on campus and in the City of Austin

TRAININGS & CERTIFICATIONS

CITI certified for human subjects research, St. Edward's University, current
First Aid/CPR/AED Certified
Prescribed Burn School, Texas A&M, August 2021
Climate Change Adaptation in Austin's Urban Forests, USFS workshop, 2019
Use of Stable Isotopes in Ecology & Paleoecology, Kansas State University, 2013

LANGUAGES & INTERNATIONAL EXPERIENCE

Fluent in English and Spanish
Taught study abroad courses for St. Edward's University students in Costa Rica and France
Fall 2024 sabbatical semester in Bariloche, Argentina, and Catalunya, Spain
Taught English as a Second Language in Madrid, Spain
Volunteer coordinator, Escuela de Agritectura, Zarzalejo, Madrid, Spain
Studied tropical ecology in Costa Rica, 2-week graduate field course with University of Toledo
Semester abroad as an undergraduate student at School for Field Studies, Baja California Sur, Mexico
Travelled extensively via bicycle in Europe, Latin America and the United States, more than 12,000 miles