



Curriculum Vitae

Introduction

Bio

Joseph Gazing Wolf (Lakota, Amazigh, Nubian) is an administrator, land steward, researcher, and educator. His interests are shaped by the Indigenous, agricultural, and conservation communities he has served for 39 years across four continents. His work integrates ecology, agriculture, anthropology, psychology, history, political science, language, philosophy/theology, the trades, the arts, and the martial arts. As an administrator and land manager, Joseph has directed nonprofit and for-profit organizations, including research and education collaboratives, conservation preserves, and working ranches and farms. As an interdisciplinary researcher, his work attempts to understand how, for Indigenous people, land serves as the ‘gathering place’ for multiple claims to human and non-human dignity. As a teacher, Joseph prioritizes access to experiential learning activities for students from poor and working-class families and marginalized backgrounds. Finally, as a community advocate, Joseph works with domestic violence and child abuse programs to provide resources for healing. He also partners with international NGOs to build shelters for single mothers or families living in poverty throughout the Global South. In his free time, he enjoys woodturning and carving, playing the Plains Indian flute, and is a lifelong practitioner of Japanese Karate.

Current Titles and Contact Information

Senior Global Futures Scientist

Arizona State University

(626) 408-2306, (336) 707-3360

jgwolf1@asu.edu

gazingwolf.com (under construction)

Executive Director

Heritage Lands Collective

(970) 715-1960

shunka@heritagelands.org

Heritagelands.org/

IDs

ORCID: <https://orcid.org/0000-0003-4842-8658>

Scopus: 57218902252

Web of Science: 19f50280-7f85-11ef-b50c-91cea8222f51

NSF: 000877890

Education

PhD, Ecology, Conservation, and Environmental Sciences, Arizona State University, 2025
MS, Environmental Life Sciences, Arizona State University, 2024 — with Distinction
MA, Experimental Psychology, California State University, San Bernardino, 2011
MA, Theology: Ancient Near Eastern Languages and Literature, Fuller Theological Seminary, 2008
BS, Plant Science, Agronomy minor, California State Polytechnic University, Pomona, 2018 — Summa cum laude, University honors, President's list, Dean's list
BA, Arabic Language, Literature, and Culture, California State University, San Bernardino, 2011 — Summa cum laude
BA, Psychology, Philosophy minor, California State University, Fullerton, 2004 — Magna cum laude, University honors, Dean's list, Admitted with distinction
AS, Ornamental Horticulture, Mount San Antonio College, 2016 — Certified honors program scholar, President's list
AS, Livestock Management, Mount San Antonio College, 2015
AS, Integrated Pest Management, Mount San Antonio College, 2015
AS, Agricultural Technology, Mount San Antonio College, 2015
AA, Social and Behavioral Sciences, Mount San Antonio College, 2015
AA, Liberal Arts, Mount San Antonio College, 2001 — Honors program graduate, President's list

*See Additional Education and Training section below.

Professional Appointments

Land Stewardship

Executive Director, Heritage Lands Collective, U.S. and its territories, 2023-present
Associate Director, Tallgrass Prairie Preserve, The Nature Conservancy, Pawhuska, OK, 2022-2023
Range and Forage Management Supervisor, California State Polytechnic University, Pomona Farm, Pomona, CA, 2016-2018
Farm Manager, RootDown LA, Los Angeles, CA, 2016-2017
Director of Farm Operations, Apricot Lane Farms, Moorpark, CA, 2015-2016
Equipment Maintenance Technician, Mount San Antonio College Farm, Walnut, CA, 2014-2015

Master Gardener and Master Food Preserver Program Director, San Bernardino County, University of California Cooperative Extension, San Bernardino, CA, 2013-2014

Buffalo Herd Supervisor and Range Rider, Standing Rock Sioux Tribe, 1995-2013

Ranch Hand, Standing Rock Sioux Tribe, 1992-1995

Sheep Herder, Al Salaam Ranch, Al Kilabiyah, Egypt, 1986-1992

Research

Senior Global Futures Scientist, Global Institute of Sustainability and Innovation, Arizona State University, 2022-present

Ethnographer, Living Heritage Anthropology LLC, Northern Plains and Intermountain West, 2022-2024

Graduate Research Intern, Protecting and Managing American Indian Cultural Heritage, Living Heritage Research Council, Northern Plains and Intermountain West, 2022-2023

Graduate Service Assistant, Indigenous Sustainability in the Amazon with the Waorani and Kichwa People, School of Sustainability, Arizona State University, Tempe, AZ, 2022

Graduate Service Assistant, USAID Feed the Future Innovation Lab Funding Proposal (\$30 million Leader Award), Global Health and International Development, School of Human Evolution and Social Change, Arizona State University, Tempe, AZ, 2021

Graduate Assistant, Center for the Promotion of Health Disparities Research and Training, California State University, San Bernardino, CA, 2009-2012

Graduate Assistant, Department of Science, Math, and Technology Education, California State University, San Bernardino, CA, 2009-2010

Teaching

Course Advisor/Instructor, Public Lands & Tribal Natural Resources Clinic, Yale School of the Environment, Yale Center for Environmental Justice, and Yale Law School, New Haven, CT, 2025 — Led a group of graduate students in investigating the relationships, rights, and co-stewardship of Pueblos and Plains Tribes to Pecos National Historical Park in Pecos, NM

Course Advisor/Instructor, Department of Education, Lesley University, Cambridge, MA, 2025 — Taught an Independent Study course for a PhD student; EAGSR 7500: Lived Theories and Indigenous Conceptual Frameworks

Graduate Teaching Assistant, School of Life Sciences, Arizona State University, Tempe, AZ, 2023-2025 — BIO 100 The Living World, BIO 304 Plants and Civilization, BIO 320/321 Introduction to Ecology/Lab, BIO 331 Animal Behavior, BIO 410 Field Methods in Conservation Biology & Ecology, BIO 423 Population & Community Ecology

Agricultural Educator for Beginning Tribal Farmers/Ranchers, American Farmland Trust and USDA Beginning Farmer and Rancher Development Program, Southwest Region, USA, 2021-2023

Environmental Science Instructor, Lyle Center Regenerative Communities Initiative, California State Polytechnic University, Pomona, CA, 2016-2017 — Taught a 6th-grade course in environmental science with lab and field curriculum and experiential outdoor learning activities

Teaching Assistant, Department of Agricultural Studies, Mount San Antonio College, Walnut, CA, 2014-2015 — AGOR 51 Tractor and Landscape Equipment Operations, AGOR 53 Small Engine Repair

Agricultural Ambassador, Department of Agricultural Studies, Mount San Antonio College, Walnut, CA, 2014-2015

Lecturer, Department of Psychology, California State University, San Bernardino, CA, 2012 — PSYC 105 Critical Thinking Through Problem Analysis, PSYC 311 Introduction to Experimental Psychology

Teaching Associate, Department of Psychology, California State University, San Bernardino, CA, 2010-2012 — PSYC 311 Introduction to Experimental Psychology, PSYC 110 Critical Thinking and Problem Solving

Teaching Assistant, School of Social and Behavioral Sciences, California State University, San Bernardino, CA, 2010-2011 — SSCI 316 Race and Racism

Teaching Intern, Department of Woodworking Manufacturing Technology, Cerritos College, Cerritos, CA, 2009-2010 — WMT 101 Introduction to Woodworking, WMT 102 Introduction to Woodturning, WMT 107 Wood Finishing

Teaching Assistant, Department of Near Eastern Studies, Fuller Theological Seminary, Pasadena, CA, 2008-2009 — LG 502 Beginning Hebrew, OT 504 Hebrew Writings

Conversation Partner, American Language Program, California State University, Fullerton, CA, 2006-2007 — Developed English language curriculum and practice for international students

Cross-Cultural Contact and Orientation Leader, Office of International Education and Exchange, California State University, Fullerton, CA, 2006-2007 — Provided cultural immersion opportunities for international students

Graduate Assistant Tutor, University Learning Center, California State University, Fullerton, CA, 2005-2006 — Provided tutoring in statistics, research methods, and writing

Teaching Intern, Department of Psychology, Fullerton Community College, Fullerton, CA, 2005 — PSY 202 Research Methods

Disabled Student Assistant, Disabled Students Programs and Services Office, Mount San Antonio College, Walnut, CA, 2000-2002 — Provided tutoring, proctored exams, transportation, and general mentorship for students with disabilities

*See Teaching and Mentorship section below for additional experience.

Community Advocacy

Access Services Paratransit Evaluator, C.A.R.E. Evaluators, Los Angeles, CA, 2004-2007 — Conducted comprehensive physical and cognitive ability assessments for persons with disabilities and provided service needs recommendations

In-Home Supportive Services, East Los Angeles Regional Center, CA, 2005-2006 — Provided comprehensive in-home care for persons with advanced physical and cognitive disabilities

Research & Funding

Total Funding = \$6,836,532.81

Current & Past Research (\$5,923,252.81)

Natural resource rights, co-stewardship, land protection, and repatriation

Pawnee Nation LandBack and Co-Stewardship Agreement. Green Feather Foundation. Principal Investigator, 2024-present, \$15,000

Hovenweep Indigenous Natural Springs Restoration and Co-Stewardship. US Department of the Interior, National Park System, Grant # P24AC00076. Principal Investigator, 2024-2027, \$100,000

Development of a Native American Graves Protection and Repatriation Act Comprehensive Agreement. US Department of the Interior, National Park System, Grant # P20AC00408. Co-Principal Investigator, 2020-2024, \$42,884

Managing and Restoring American Indian Cultural Heritage in Boulder. City of Boulder, CO. Consultant, 2022-2023, \$33,948.04

Ecological restoration, biocultural preservation, sustainability, conservation, food security, and renewable energy

Indigenous Sustainability in the Amazon: Solar Canoes Against Deforestation. NSF and private foundations. Consultant, 2022-present, \$100,000

Calling People Back to the Land: Indigenous Traditional Knowledge Networks & Curriculum for the Next Generation of Indigenous Food Sovereignty Workforce. Cultivating the next generation of diverse food and agriculture professionals, NEXTGEN, USDA-NIFA. Consultant, 2023-2028, \$4,533,882

Documenting Pathways Toward Food System Sustainability and Resilience. Earth System Science for the Anthropocene Summer Grant, Arizona State University. Principal Investigator, 2021, \$5,811

Cultural, ecological, historical, and spiritual connections and land-use change

Pecos NHP Inventory of Ethnographic Resources and Traditional Use Study. US Department of the Interior, National Park System, Grant # P23AC00754. Principal Investigator, 2023-2026, \$256,500

Browns Canyon National Monument Ethnographic Expansion Study. US Department of the Interior, Bureau of Land Management, Grant # L24AC00590. Principal Investigator, 2024-2026, \$ 39,995.77

UT Monticello Field Office Ethnographic and Ecological Information Partnership. US Department of the Interior, Bureau of Land Management, Grant # L20AC00251. Co-Principal Investigator, 2020-2025, \$304,000

Ethnographic Research with Jemez Pueblo in Support of the Cultural Landscape Inventory. Architectural Resources Group Inc., Grant # 190636.13. Co-Principal Investigator, 2020-2024, \$68,867

Pecos Ethnographic Studies Working with Traditionally Associated Tribes. US Department of the Interior, National Park System, Grant # P20AC00491. Co-Principal Investigator, 2020-2024, \$55,000

CO Browns Canyon National Monument Ethnographic Study. US Department of the Interior, Bureau of Land Management, Grant # L19AC00219. Co-Principal Investigator, 2019-2024, \$135,908

Experiential land-based education and intergenerational knowledge transmission

Youth-Elder Experiential Education Camps. Osprey Packs Inc. Principal Investigator, 2017-present, \$72,000

Browns Canyon National Monument Ethnographic Study and Internship Program. Colorado State Historical Fund, Grant # 2021-M2-035. Co-Principal Investigator, 2021-2024, \$65,782

Ethical engagement with Indigenous communities, epistemic reconciliation, and persistence of Indigenous people in conservation, education, and research

Elevating Indigenous Knowledges in Ecology and Beyond. National Science Foundation, American Indian Science and Engineering Society, and the Ecological Society of America, Award ID 2226272. Principal Investigator, 2022-2025, \$49,550

STEM Liberation-based Research in Indigenous Communities. Michigan State University. Consultant, 2024, \$4,000

Determinants of Students Revealing or Concealing Their Struggles with Mental Illness. Research for Inclusive STEM Education (RISE) Center, Arizona State University: Tempe, Arizona. Course/conference-based Research Experience, 2020-2023

Campfire Conversations: Insights and Lessons Learned from ‘Cuss-and-Discuss’ Rather Than ‘Chalk-and-Talk’. Society for Range Management. Course/conference-based Research Experience, 2020

Prairie (Rangeland) ecology and management, and Agricultural sustainability and monitoring

Herbivore Exclusion, Mycorrhizae, and Carbon Sequestration in a Northern Mixed-grass Prairie—Sagebrush Steppe Ecotone. Thunder Basin Grasslands Prairie Ecosystem Association & USDA Agricultural Research Service. Principal Investigator, 2019-2020, \$40,125

The Weekend Effect on Urban Bats. Department of Biology, University of North Carolina, Greensboro. Course/conference-based Research Experience, 2019

A Rangeland Vegetation Monitoring and Alerting System. Office of the President, California State Polytechnic University, Pomona. Co-Principal Investigator, 2019

Indigenous Sustainable Agriculture in the Tropics. Earth University, Limón Province, Costa Rica. Research Experiences for Undergraduates, 2018

Indigenous Grassland Management in High-Altitude Dry Plains. Universidad Peruana de Ciencias Aplicadas, Lima-Cusco, Peru. Research Experiences for Undergraduates, 2018

Indigenous Cultural Land Management and Education Among Northeastern Plains Tribes. National Collegiate Honors Council, University of Nebraska-Lincoln, Cedar Point Biological Station, Fort Niobrara Wildlife Refuge, Oglala Lakota College, and the Pine Ridge Lakota Reservation. Principal Investigator, 2018

UAV-Based Grassland Monitoring for Ecological Restoration and Invasive Species Control. California State Polytechnic University, Pomona. Research Assistant, 2018

Measurement and Validation of Plant Water and Nitrogen Stresses Using UAV-Based Remote Sensing and Machine-Learning Techniques. California State Polytechnic University, Pomona. Research Assistant, 2016-2018

Non-Chemical Pest Control for *Bagrada hilaris*. Agricultural Research Institute, California State Polytechnic University, Pomona. Research Assistant, 2016-2018

Funding Raised to Support Underprivileged Students (\$130,500)

Secretary, Traditional Ecological Knowledge Section, Ecological Society of America, 2019-2022, \$47,500 — Supported Indigenous students and early-career scholars from poor and working-class families in attending national conferences and presenting their research.

Field Instructor, National Collegiate Honors Council, 2018-2019, \$45,000 — Led outdoor experiential learning trips for students from poor and working-class families.

President, Agricultural Biology Club, California State Polytechnic University, Pomona, 2017-2018, \$38,000 — Led national and international outdoor experiential learning opportunities for students from poor and working-class families.

Fellowships & Research Assistantships (\$330,669)

Completion Fellowship, School of Life Sciences, Arizona State University, 2024, \$13,657

Graduate College University Grant, School of Life Sciences, Arizona State University, 2024, \$10,000

Gastwirth Graduate Fellowship, The Graduate College, Arizona State University, 2023, \$10,000

Foreign Language and Area Studies (FLAS) Fellowship, Latin American, Caribbean, and Iberian Studies Program (LACIS), University of Wisconsin-Madison & US Department of Education, 2023, \$7,500

Transitioning Land to a New Generation Fellowship Program, American Farmland Trust and USDA Beginning Farmer and Rancher Development Program, 2021-2023, \$5,000

Rural Native Storyteller Mini-grant, University of Washington Tacoma, 2023, \$4,000

Indigenous Sustainability in the Amazon Research Grant, School of Sustainability, Arizona State University, 2022, \$5,500

Gastwirth Graduate Fellowship, The Graduate College, Arizona State University, 2022, \$10,000

Graduate College University Grant, School of Life Sciences, Arizona State University, 2022, \$10,000

Graduate College Fellowship, School of Life Sciences, Arizona State University, 2021, \$10,000

Gastwirth Graduate Fellowship, The Graduate College, Arizona State University, 2021, \$10,000

Innovation Fellowship, The Graduate and Professional Student Association, Arizona State University, 2021, \$25

Tribal Food Systems Graduate Fellowship, InterTribal Agriculture Council and Inter-Institutional Network for Food Agriculture and Sustainability, 2020, \$6,000

Lighting the Pathway Fellowship, The American Indian Science and Engineering Society, 2020, \$6,000

Graduate Research Fellowship Program, National Science Foundation, Fellow ID-2020294620, Grant #026257-001, 2020, \$138,000

Gastwirth Graduate Fellowship, The Graduate College, Arizona State University, 2020, \$5,000

School of Life Sciences Fellowship, Arizona State University, 2020, \$2,000

Summer Graduate Research Assistantship, Department of Biology, University of North Carolina, Greensboro, 2020, \$6,500

Summer Graduate Research Assistantship, The Graduate School, University of North Carolina, Greensboro, 2020, \$4,000

Graduate Teaching Fellowship, University Teaching and Learning Commons, University of North Carolina, Greensboro, 2020, \$2,000

HERD Fellowship, Quivira Coalition, 2020, \$1,000

Excellence Graduate Fellowship, The Graduate Faculty Committee, University of North Carolina, Greensboro, 2019, \$22,987

Greensboro Graduate Scholar, Department of Biology, University of North Carolina, Greensboro, 2019, \$9,000

Stevens Scholarship, University of North Carolina, Greensboro, 2019, \$5,000

Moore Fellowship, The Graduate Faculty Committee, University of North Carolina, Greensboro, 2019, \$3,000

Hayes Fellowship, University of North Carolina, Greensboro, 2019, \$1,000

HERD Fellowship, Quivira Coalition, 2019, \$1,000

President's Discovery Fellowship, Office of the President, California State Polytechnic University, Pomona, 2018, \$8,000

Jim Hicks International Research Fellowship, College of Agriculture, California State Polytechnic University, Pomona, 2018, \$1,500

Environmental Science Fellowship, Lyle Center Regenerative Communities Initiative, California State Polytechnic University, Pomona, 2016-2017, \$6,000

William Sanford Lasor Research Scholarship, Department of Near Eastern Studies, Fuller Theological Seminary, 2007, \$4,500

Graduate Equity Fellowship, Office of Graduate Studies and Academic Programs, California State University, Fullerton, 2006, \$2,500

Education & Training (\$33,893)

Macrosystems Ecology for All (MEFA) Research Coordination Network Second Annual Meeting Scholarship, Ohio Wesleyan University, 2024, \$1,500

Macrosystems Ecology for All (MEFA) Research Coordination Network First Annual Meeting Scholarship, Ohio Wesleyan University, 2023, \$1,500

Research Diving Methods Course Scholarship, College of Global Futures, Arizona State University, 2022, \$6,958

Indigenous Publishers Group Writing Retreat Scholarship, University of Washington, 2022, \$2,500

Tribal Communities and Conservation Agencies: A Collaboration Toward Environmental Health and Food Sovereignty, University of Washington & Nueta Hidatsa Sahnish College, 2022, \$7,500

Landscape Exchange Network for Socio-environmental systems training scholarship (LENS), National Ecological Observation Network Airborne Observation Platform (NEON-AOP), Research Coordination Network, National Science Foundation, 2022, \$2,000

Indigenous Leadership Summit Grant, The American Indian Science and Engineering Society, 2022, \$1,500

Field Instructor and Curriculum Professional Development Program, River-based Immersive Education and Research (RIVER) Field Studies Network, School of Earth and Sustainability, Northern Arizona University, 2022, \$3,000

American Rivers Northern Rockies Indigenous Scholarship, Freeflow Institute, 2022, \$1,500

Interdisciplinary Power of Data Workshop Grant, Ecological Society of America and the National Science Foundation, 2021, \$2,500

Field Education and Research Training Program Grant, River-based Immersive Education and Research (RIVER) Field Studies Network, Center for Environmental Studies, Virginia Commonwealth University, 2021, \$2,500

Short Course Grant for Quantitative Analysis in Plant Community Ecology using R, Vegetation Section, Ecological Society of America, 2021, \$35

Data Analysis for Life Sciences Certificate Course Grant, The Graduate College, Arizona State University, 2020, \$500

GRE Grant, Science Educational Enhancement Services, California State Polytechnic University, Pomona, 2018, \$200

GRE Grant, McNair Scholars Program, California State Polytechnic University, Pomona, 2018, \$200

Achievement (\$17,750)

Graduate Excellence Scholarship, The College of Liberal Arts and Sciences, Arizona State University, 2022, \$100

Graduate Excellence Scholarship, The College of Liberal Arts and Sciences, Arizona State University, 2021, \$100

Nursery Scholarship, College of Agriculture, California State Polytechnic University, Pomona, 2017, \$1,000

Student Endowed Scholarship, California State Polytechnic University, Pomona Foundation, 2017, \$1,000

Research Equipment Grant, McNair Scholars Program, California State Polytechnic University, Pomona, 2017, \$500

Research Equipment Grant, Achieve Scholars Program, California State Polytechnic University, Pomona, 2017, \$500

Mack H Kennington/Alpha Zeta Scholarship, College of Agriculture, California State Polytechnic University, Pomona, 2016, \$1,200

Helen C. Borer Memorial Scholarship, Mount San Antonio College Foundation, 2016, \$1,000

Faculty Association Scholarship Award, Mount San Antonio College, 2015, \$2,500

California Weed Science Society Scholarship Award, 2015, \$1,000

Street Tree Seminar Scholarship Award, International Society of Arboriculture, 2014, \$500

Virginia McGarvey Memorial Scholarship, Associated Students, California State University, Fullerton, 2007, \$1000

Emeriti Memorial Scholarship, The Emeriti Center, California State University, Fullerton, 2007, \$650

Book Loan Scholarship, California State University, Fullerton, 2007, \$500

Educator's Scholarship, U.S. Organization for Medical and Educational Needs, 2006, \$1000

Book Loan Scholarship, Associated Students, California State University, Fullerton, 2006, \$500

William D. Puzo Memorial Scholarship, Associated Students, California State University, Fullerton, 2005, \$1000

Research Grant, Associated Students, California State University, Fullerton, 2005, \$650

Book Loan Scholarship, Associated Students, California State University, Fullerton, 2005, \$500

Research Grant, Psi Chi, National Honor Society in Psychology, California State University, Fullerton, 2005, \$250

Research Grant, Psi Chi, National Honor Society in Psychology, California State University, Fullerton, 2004, \$250

Esther and Edward Walters Scholarship, Mount San Antonio College Foundation and Departments, 2002, \$750

Eldon Pearce Scholarship, Mount San Antonio College Foundation and Departments, 2001, \$300
Zillgitt Scholarship, Volunteer Services Department, St. Luke Medical Center, 1999, \$500
Junior Scholarship, Volunteer Services Department, St. Luke Medical Center, 1999, \$500

Travel & Conferences (\$34,213)

Indigenous Voices Travel Scholarship Award, 2025 Botanical Society of America Annual Meeting, The American Indian Science and Engineering Society, 2025, \$2,000
Indigenous Voices Travel Scholarship Award, 2025 Ecological Society of America Annual Meeting, The American Indian Science and Engineering Society, 2025, \$2,000
Field Trip Award, The Changing Landscape on Hawaii Island, The Geological Society of America and Chevron, 2024, \$470
National Adaptation Forum Travel Scholarship, 2024, \$1,450
Indigenous Voices Travel Scholarship Award, 2023 Ecological Society of America Annual Meeting, The American Indian Science and Engineering Society, 2023, \$2,000
Indigenous Resilience Conference Travel Scholarship, Tribal Alliance for Pollinators, 2023, \$1,644
National Bison Association Travel Scholarship, Boise State University, 2023, \$1,677
Professional Development Travel award, School of Life Sciences Graduate Programs, Arizona State University, 2022, \$400
Conference Award, Environmental Justice Section, Ecological Society of America, 2022, \$1,200
Walton Global Sustainability Studies Scholarship, School of Sustainability, Arizona State University, 2022, \$1,000
Research Allowance Award, National Science Foundation, 2022, \$1,500
Professional Development Travel award, School of Life Sciences Graduate Programs, Arizona State University, 2022, \$400
Travel Award, The Nature Conservancy, 2022, \$1,000
The Society for Integrative and Comparative Biology Conference Grant, Conference Planning Committee, 2022, \$520
Gates Foundation Emergency Grant, University College, Arizona State University, 2021, \$500
Conference Travel Grant, The American Indian Science and Engineering Society, 2021, \$1,500
Women of Color in Science, Technology, Engineering, and Mathematics Conference Grant, Global Locust Initiative, Arizona State University, 2021, \$175
Opportunity Fund Registration Grant, Ecological Society of America, 2021, \$110
Entomological Society of America Conference Grant, Global Locust Initiative, Arizona State University, 2021, \$140

Ecological Society of America Conference Grant, The American Indian Science and Engineering Society, 2021, \$73

Emergency Fund, School of Life Sciences, Arizona State University, 2020, \$700

Society for Range Management Conference Scholarship, Quivira Coalition, 2020, \$1,500

Professional Development Fund, Graduate Student Association, University of North Carolina, Greensboro, 2020, \$750

Research Support Grant, Department of Biology, University of North Carolina, Greensboro, 2020, \$420

Travel Grant, Department of Biology, University of North Carolina, Greensboro, 2020, \$250

Society for Advancement of Chicanos and Native Americans in Science Conference Grant, School of Life Sciences, Arizona State University, 2020, \$165

American Indian Science and Engineering Society Conference Grant, School of Life Sciences, Arizona State University, 2020, \$149

Ecological Society of America Conference Grant, Traditional Ecological Knowledge Section, Ecological Society of America, 2020, \$60

Travel Grant, Department of Biology, University of North Carolina, Greensboro, 2019, \$190

International Travel Grant, Agricultural Biology Club, California State Polytechnic University, Pomona, 2018, \$3,000

International Travel Grant, Kellogg Honors College, California State Polytechnic University, Pomona, 2018, \$1,500

International Travel Grant, Office of the President, California State Polytechnic University, Pomona, 2018, \$500

Travel Grant, McNair Scholars Program, California State Polytechnic University, Pomona, 2018, \$500

Travel Grant, National Collegiate Honors Council Western Chapter, 2018, \$250

Travel Grant, Agricultural Biology Club, California State Polytechnic University, Pomona, 2017, \$3000

Travel Grant, Department of Agricultural Studies, Mount San Antonio College, 2015, \$400

Professional Development Grant, Department of Agricultural Studies, Mount San Antonio College, 2015, \$300

Professional Development Grant, Dean of Graduate Studies, California State University, San Bernardino, 2010, \$550

Travel Grant, Department of Psychology, California State University, Fullerton, 2005, \$170

Travel Grant, Department of Psychology, California State University, Fullerton, 2004, \$100

Doctoral Fellowships Awarded by Ph.D. Programs but Declined (\$366,255)

Graduate Excellence Fellowship, Department of Animal and Range Sciences, New Mexico State University, 2019, \$120,000

Graduate Excellence Fellowship in Ecosystem Science, Office of Graduate and Professional Studies, Texas A&M, 2019, \$113,028

Graduate Dean's Fellowship, University of Nevada, Reno, 2019, \$49,000

Springfield Fellowship, University of Arizona, 2019, \$40,000

Interdisciplinary Enrichment Fellowship, Arizona State University, 2019, \$22,913

Summer Fellowship, School of Life Sciences, Arizona State University, 2019, \$6,814

Office of Graduate and Professional Studies Scholarship, Texas A&M, 2019, \$5,000

Graduate Access Fellowship, University of Arizona, 2019, \$4,000

Lechner Excellence Fellowship, College of Agriculture and Life Sciences, Texas A&M, 2019, \$3,000

Technology Fellowship, School of Life Sciences, Arizona State University, 2019, \$2,500

Research and Technical Skills

Grant writing and project management — Research.gov, SAM.gov, GrantSolutions, ASAP.gov, CAGE, EFTPS, QuickBooks

Indigenous research methodologies — Culturally Responsive Methodologies (CRM), Community-based Participatory Research (CBPR), Yarning, informed consent, data sovereignty

Ecological field methods — exclosures, transects, quadrants, field plot designs, tag and release techniques, dichotomous keys, biomass, remote sensing, GIS, GPS and mapping, scientific diving

Anthropological methodologies — ethnographies, traditional use studies, cultural landscape inventories, transcription, transcoding, data management, Traditional Cultural Properties and sacred site identification, NHPA/NEPA/NAGPRA/AIRFA compliance

Social research methodologies — surveys, interviews, focus groups

Plant and soil science instrumentation and techniques — Unmanned aerial vehicles, Multispectral/hyperspectral sensors, Fluorometer, Porometer, Potometer, Pressure chamber, Water potential meter, Spectroradiometer, Soil moisture meter, Chlorophyll meter, Plant canopy analyzer, Mycorrhizal Fungi Analysis—Blue staining method

Quantitative and qualitative data techniques — R, Python, NVivo, data management

Research communications — academic/popular publishing, media relations, public speaking, website creation, audio/video editing

Software — Microsoft Office, Adobe Acrobat, Audition, Illustrator, Photoshop

Websites — SquareSpace

Honors and Awards

Humans of ESA, 110th anniversary celebration, Ecological Society of America (ESA), 2025 — Featured in a special session at the annual meeting for the 110th anniversary celebration of ESA; by nomination only

Sequoyah Fellowship, American Indian Science and Engineering Society (AISES), 2024 — Highest award given by the organization for lifetime achievement; by nomination only

Graduate Excellence Award, The College of Liberal Arts and Sciences, Arizona State University, 2022

Graduate Excellence Award, The College of Liberal Arts and Sciences, Arizona State University, 2021

Distinguished Research Documentary, The Graduate School, University of North Carolina, Greensboro, 2019 — A five-year-long documentary that details my research and development as a PhD student, received upon recommendation of the provost

Minerva Scholar, The Graduate School, University of North Carolina, Greensboro, 2019 — Highest honor for doctoral students

Program Recognizing Outstanding Undergraduate Distinction: Research and Leadership Categories, Louis Stokes Alliances for Minority Participation Program (LSAMP), California State University System (23 campuses), 2018 — First student in the history of the award to be selected for 2 of the 3 categories of the award

Research Distinction, Office of Undergraduate Research, California State Polytechnic University, Pomona, 2018

Undergraduate Student Leader of the Year, College of Agriculture, California State Polytechnic University, Pomona, 2018 — Highest honor given by the College of Agriculture

Students of Distinction Award, Mount San Antonio College, 2015 — Highest honor given on campus

Outstanding Student Award, Department of Agricultural Sciences, Mount San Antonio College, 2015

Al Sherman Outstanding Agriculture Student, Department of Agricultural Sciences, Mount San Antonio College, 2015

Herman WesKamp Agricultural Ambassador Award, Department of Agricultural Sciences, Mount San Antonio College, 2015

Outstanding Academic Achievement Award, Department of Agricultural Sciences, Mount San Antonio College, 2014

Academic Excellence Book Award, Department of Agricultural Sciences, Mount San Antonio College, 2014

Outstanding Lecturer Teaching Award, Department of Psychology, California State University, San Bernardino, 2012

Outstanding Graduate Teaching Award, Department of Psychology, California State University, San Bernardino, 2011

William Sanford Lasor Research Fellow, Dean of Near Eastern Studies, Fuller Theological Seminary, 2008

Titan Leadership Award, Dean of Students Office, California State University, Fullerton, 2006
— Name added to perpetual plaque in the Dean of Students Office; Highest honor awarded by the Dean of Students Office

Publications

Peer-reviewed Articles [13]

Grimm, J., Jarvis-Cross, M., Bailey, M., ..., **Gazing Wolf, J.**, et al (in review). Co-producing knowledge with Indigenous Peoples: challenges and solutions. *Trends in Ecology & Evolution*.

Gazing Wolf, J., Painter, J., Jennings, L. L., et al (in review). Methodological apartheid: the systematic erasure of Indigenous voices in social science research. *Earth Stewardship*.

Gazing Wolf, J., Painter, J., Grimm, J., et al (in review). Indigenous identity, values, and barriers to persistence in settler-colonial STEM institutions. *Earth Stewardship*.

Jacobs, L. A., Fisk, J., Carlson, A. K., D'Antonio, A., Hazelwood, S. P., Perry, E. E., Adams, M., Newman, R., Grayson, R., **Gazing Wolf, J.**, et al (2025). U.S. parks and protected area power structures: from historic policies to Indigenous futurities. *Earth Stewardship*, 2(3), Article e70016. <https://doi.org/10.1002/eas2.70016>

Gazing Wolf, J., Simmons, E., Blanchard, P., et al (2025). A path to reconciliation between Indigenous and settler-colonial epistemologies. *Frontiers in Ecology and the Environment*, Article e2847. <https://doi.org/10.1002/fee.2847>

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Gazing Wolf, J., Ignace, D. D., David-Chavez, D. M., et al (2024). Centering Indigenous knowledges in ecology and beyond. *Frontiers in Ecology and the Environment*, 22(7), Article e2776. <https://doi-org.ezproxy1.lib.asu.edu/10.1002/fee.2776>

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Gazing Wolf, J. (2022). Honoring the whole person: Indigenous wisdom and university honors programs. *Journal of the National Collegiate Honors Council*, 23(1), 137–139.

Mohammed, T. F., Nadile, E. M., Busch, C. A., **Gazing Wolf, J.**, et al (2021). Aspects of large-enrollment online college science courses that exacerbate and alleviate student anxiety. *CBE—Life Sciences Education*, 20(4), Article ar69, 1–23. <https://doi.org/10.1187/cbe.21-05-0132>

Schulz, T. L., Wilmer, H. N., Yocum, H., Winford, E., Peck, D. E., Monlezun, A. C., Schmalz, H., Klemm, T., Epstein, K., Jansen, V., Kelley, W., Bruegger, R., Fick, S., **Gazing Wolf, J.**, et al (2021). Campfire conversations at the 2020 annual meeting: insights and lessons learned from “cuss-and-discuss” rather than “chalk-and-talk”. *Rangelands*, 43(3), 166–172.

<https://doi.org/10.1016/j.rala.2021.04.003>

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<https://doi.org/10.3390/ani10091636>

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Books [3]

Gazing Wolf, J. (in prep). Sacred mother: Indigenous rights of nature. Cambridge University Press.

Gazing Wolf, J. (in prep). Indigenous unity and solidarity in the age of alienation. North Atlantic Books.

Gazing Wolf, J. (in prep). The big lie of European science and its Indigenous origins. Oregon State University Press.

Book Chapters [6]

Gazing Wolf, J. (in prep). Lessons from Tatanka Oyate: Community in the age of alienation. In M. Montgomery (Ed.), *Indigenous Mindfulness: How do we listen?* (pp. ?–?). University Press of Colorado.

Gazing Wolf, J. (2025). Reciprocal sovereignty: Traditional Ecological Knowledges and a commonwealth of ecological dignity. In L. A. Jacobs (Ed.), *Indigenous critical reflections on Traditional Ecological Knowledge* (pp. 167–184). Oregon State University Press.

Gazing Wolf, J., Gray, C., Saulters, O., & Kelley, S. (2025). Reciprocal restoration with Tribal nations: Natural resources management and STEM education. In L. A. Jacobs (Ed.), *Indigenous critical reflections on Traditional Ecological Knowledge* (pp. 146–150). Oregon State University Press.

Jacobs, L. A., Yamane, C. Y., Hernandez, J., McAllister, T., Carlson, A. K., Fisk, J., Milligan-McClellan, K., **Gazing Wolf, J.**, Jennings, L. L., Grenz, J., & Avery, C. (2025). A critical declaration of decolonization and indigenization for scientific research and the academy. In L. A. Jacobs (Ed.), *Indigenous critical reflections on Traditional Ecological Knowledge* (pp. 210–238). Oregon State University Press.

Hernandez, J., Adams, M. M., Vold, V., Jennings, L. L., Von Rotz, M. P., Villagomez, A., McAllister, T., McLester-Davis, L. W. Y., Hernandez, V., Jimenez, E., Cross, B. M., & **Gazing Wolf, J.** (2025). Honoring our responsibilities while “doing science”: Indigenous scientists’ perspectives. In L. A. Jacobs (Ed.), *Indigenous critical reflections on Traditional Ecological Knowledge* (pp. 274–294). Oregon State University Press.

Gazing Wolf, J. (2023). On land and social fragmentation: Lakota values of unity and relationality in the age of division. In M. Montgomery (Ed.), *Voices of Indigenuity* (pp. 197–216). University Press of Colorado. <https://doi.org/10.5876/9781646425105.C018>

Editorials [1]

Gazing Wolf, J. (2024). Why we all lose when Indigenous women suffer: An ecological perspective. *Frontiers in Ecology and the Environment*, 22, Article e2717. <https://doi-org.ezproxy1.lib.asu.edu/10.1002/fee.2717>

Policy Briefs [2]

Jennings, L., Carroll, S., Johnson, M., Martinez, A., Arcand, M., **Gazing Wolf, J.**, Lee, J., Nuvamsa, M., Plenty Sweetgrass She-kills, R., & Wiipongwii, T. (2024). Intersection of Indigenous data sovereignty and Tribal agriculture data needs. Native Nations Institute, University of Arizona.

Gazing Wolf, J. (2022). Indigenous traditional ecological knowledge and federal decision making. Memorandum for the Heads of Departments and Agencies, Executive Office of the President of the United States.

White Papers [1]

Gazing Wolf, J. (2021). Indigenous land tenure and sovereignty as a prerequisite to adaptive capacity in confronting climate change and addressing global sustainability. In FAO (Eds.), *The white/wiphala paper on Indigenous peoples' food systems* (1st ed., pp. 91–92). Rome. <https://doi.org/10.4060/cb4932en>

Proceedings [3]

Bhandari, S., Raheja, A., Chaichi, M., Green, R., Do, D., Ansari, M., Pham, F., **Gazing Wolf, J.**, Sherman, T., Gonzalez, K., & Espinas, A. (2018). Effectiveness of UAV-based remote sensing techniques in determining lettuce nitrogen and water stresses. *Proceedings of the International Conference on Precision Agriculture*, Montreal-Quebec, Canada.

Bhandari, S., Raheja, A., Chaichi, M., Green, R., Do, D., Pham, F., **Gazing Wolf, J.**, Sherman, T., Espinas, A., & Ansari, M. (2018). Lessons learned from UAV-based remote sensing for precision agriculture. *Proceedings of the International Conference on Unmanned Aircraft Systems*, Dallas, TX.

Bhandari, S., Raheja, A., Chaichi, M., Green, R., Do, D., Ansari, M., Pham, F., **Gazing Wolf, J.**, Sherman, T., Gonzalez, K., & Espinas, A. (2018). Ground-truthing of UAV-based remote sensing data of citrus plants. *Proceedings of the Autonomous Air and Ground Sensing Systems for Agricultural Optimization and Phenotyping III*, Orlando, FL.

Non-peer-reviewed Articles [4]

Gazing Wolf, J. (2020). The wisdom of struggle. *Resilience*, 42, 34–36.

Gazing Wolf, J. (2013). Plant diversity and the crumbling food web. *The Social and Global Justice Project*.

Gazing Wolf, J. (2008). Intimate partner violence in the United States: Socioeconomic status and cultural variables. Fuller Theological Seminary, *SEMI Newsletter*, p. 1, 6.

Gazing Wolf, J. (2008). What is patriarchy? Fuller Theological Seminary, *SEMI Newsletter*, p. 1, 7.

Art, Music, Poetry, Recordings, Blogs [8]

Gazing Wolf, J. (2025). Sounds of the prairie (recording). Sounds of Belonging research-action-media project, Narrative Storytelling Initiative, Arizona State University.

Gazing Wolf, J. (2024). The roaring thunder and the silent light (photo/blog). Western Conservation Society Wild View Photo Blog.

Gazing Wolf, J. (2021). Feel the thunder within you: Restoration of the buffalo nation (blog). Tanka Fund.

Gazing Wolf, J. (2021). Pispíza oyate: Prairie dog culture as medicine (photo/blog). Western Conservation Society Wild View Photo Blog.

Gazing Wolf, J. (2021). Hoka-hey (wood art). College of Liberal Arts and Sciences, Arizona State University.

Gazing Wolf, J. (2020). Mitákuyepi, tatanka oyate – my relatives, the buffalo nation (photo/blog). Wildlife Conservation Society National Bison Month Special Issue.

Gazing Wolf, J. (2020). Titans of the prairie (photo/blog). Western Conservation Society Wild View Photo Blog.

Gazing Wolf, J. (2008). Japan: A tradition of harmony (photo). Fuller Theological Seminary, *SEMI Newsletter*, p. 4.

Websites [6]

Gazing Wolf, J. (2023). Heritage Lands Collective. <http://www.heritagelands.org>

Gazing Wolf, J. (2021). Traditional ecological knowledge section website. Ecological Society of America. <https://www.esa.org/tek/>

Gazing Wolf, J. (2013). Master gardener program website. University of California Cooperative Extension. <https://ucanr.edu/sites/sbmg/>

Gazing Wolf, J. (2013). Master food preserver program website. University of California Cooperative Extension. <https://ucanr.edu/sites/sbmfp/>

Gazing Wolf, J. (2013). Volunteer management system website. University of California Cooperative Extension. <https://ucanr.edu/mg/users/index.cfm>

Gazing Wolf, J. (2009). Center for the promotion of health disparities research and training website. California State University, San Bernardino. <https://rimi.csusb.edu/>

Acknowledgments [2]

Bruno, J. & Fernandez-Gimenez, M. (2021). Perceived benefits, barriers, and enabling conditions of ranch management planning across the Northern Great Plains. *The Nature Conservancy*. (research advisory committee)

Boyd, A., Fisher, K. E., Lamb-Wotton, L., & Crystal-Ornelas, R. (2021). Human dimensions: The Ecological Society of America student section. *The Bulletin of the Ecological Society of America*, 102(1), e01812. (photo contribution)

Presentations

Keynotes [12]

Indigenous cultural land stewardship (2025). Annual Crane Migration, Pawnee Nation and Crane Trust, Grand Island, NE.

Understanding “Western Science” (2025). Annual Symposium, Program in Ecology and Evolution, Department of Ecosystem Science and Management, University of Wyoming, Laramie.

Life, science, and ecology lessons from Tatanka Oyate (2025). Annual Meeting, USDA Office of Tribal Relations and Tribal Alliance for Pollinators, Bixby, OK.

Harnessing the wisdom of all our relatives: the herbivore-plant-pollinator nexus (2023). Annual Meeting, Tribal Alliance for Pollinators, Bixby, OK.

Equity in graduate research and education (2019). Annual Curriculum Revision, Chancellor’s Office, Provost’s Office, Dean of the Graduate School, and Faculty Senate, University of North Carolina, Greensboro.

How diversity in education builds adaptive capacity in the university system (2018). Convocation, Kellogg Honors College, California State Polytechnic University, Pomona.

My journey from abject poverty to higher education (2018). Investor Fundraiser, College of Agriculture, California State Polytechnic University, Pomona.

Happiness: simple yet profound (2013). Psychological Counseling Conference, California State University, San Bernardino.

Mindfulness as the path to happiness and healthy relationships (2013). 3rd annual Men's Violence Prevention Summit, California State Polytechnic University, Pomona.

Helping women in need grow stronger (2013). Annual Tennis Classic Fundraiser, YWCA Women in Need Growing Stronger Program, Claremont, CA.

The fundamentals of healthy intimate relationships (2012). 2nd annual Men's Violence Prevention Summit, California State Polytechnic University, Pomona.

Education and self-efficacy (2002). Annual Scholarship Fundraiser, Mount San Antonio College, Walnut, CA.

Invited Presentations [12]

Indigenous epistemologies as resistance to corporatist "education" (2024). Graduate Seminar, Department of Integrative Biology, University of South Florida, Tampa, FL.

Developing learning experiences on ancestral lands for Tribal schools (2024). Big Meeting at Crow Canyon (Big MACC), Cortez, CO.

Hydrologic sciences and Indigenous voices: water education at the boundary (2022). Consortium of Universities for the Advancement of Hydrologic Science, virtual.

Traditional ecological knowledge as resilient embodied democracy (2022). National TEK Summit, Oregon State University, virtual.

Restoring Indigenous values in the pursuit of freedom and democracy (2022). The Global Change Center, Virginia Tech, virtual.

Creating inclusive field experiences for Black and Indigenous students (2021). Diversity, Inclusion, Equity, and Access subcommittee, School of Earth and Sustainability, Northern Arizona University, virtual.

Indigenous leadership approaches to climate justice and sustainability (2021). Executive Master of Sustainability Leadership program, School of Sustainability, Arizona State University, virtual.

Overcoming colonial land-scars: land quality, land rights, and fragmentation in Indian Country (2021). Earth System Science for the Anthropocene 1st annual symposium, Arizona State University, virtual.

Tribal sovereignty, land tenure security, and the restoration of the buffalo nation (2021). Indigenous Speaker Series, Northwest Indian College Nez Perce and University of Washington Tacoma, virtual.

Indigenous values and the preservation of western democracy (2021). Traditional Ecological Knowledge Section, Ecological Society of America, virtual.

Funding opportunities for phd students: doing meaningful work (2021). The Graduate College, Arizona State University, virtual.

Indigenous resilience through education (2020). American Indian Graduate Student Association and American Indian Student Support Services, Arizona State University, virtual.

Invited Symposia, Panels, and Workshops [23]

Lessons learned after 30 years of buffalo stewardship (2025). Symposium, Repairing the World Through Buffalo Restoration on Tribal Lands, Ecological Society of America Annual Meeting, Baltimore, Maryland.

As if looking in a mirror: Indigenous human-nature interpretations (2025). Symposium, People are Everywhere, Ecological Society of America Annual Meeting, Baltimore, Maryland.

Supporting engagement with Indigenous communities through the Heritage Lands Collective (2025). Symposium, Supporting Indigenous Scholars in Ecology Towards Greater Engagement with Indigenous Communities, Ecological Society of America Annual Meeting, Baltimore, Maryland.

Advancing Indigenous co-stewardship on ancestral lands (2025). Symposium, Best Practices in Indigenous Collaboration, International Congress for Conservation Biology, virtual.

Tribe as a model of communal living (2025). Workshop, Property Systems that Support Ecological and Socially Just Futures, Yale School of the Environment, New Haven, CT.

Understanding relational and communal identity (2025). Panel, Intersectionality and Multiplicity in Indigenous Identities, Yale School of the Environment, New Haven, CT.

Nurturing accessible and inclusive education and research (2025). Panel, Access and Engagement in Ecology, Program in Ecology and Evolution, Department of Ecosystem Science and Management, University of Wyoming, Laramie.

Towards Tribal co-stewardship of ancestral lands (2024). Symposium, Applications of Traditional Ecological Knowledge in Climate Crisis, 6th National Adaptation Forum, St Paul, MN.

Decolonizing research and education: relationship with community and place (2023). Panel, STEM PaCER lab, Michigan State University, virtual.

Creating Indigenous bodies of culture across professional societies (2023). Panel, American Indian Science and Engineering Society National Conference, Spokane, WA.

Indigenous perspectives on environmental justice (2023). Symposium, Environmental Justice and Health Disparities, Center for Community Engagement, Environmental Justice, & Health (CEEJH), School of Public Health, University of Maryland, virtual.

Citing TEK knowledge holders in publications (2023). Panel, InterTribal Agriculture Council (IAC) and Inter-Institutional Network for Food, Agriculture, and Sustainability (INFAS), virtual.

Improving social acceptance of buffalo restoration through collaborations between Tribes and conservation agencies (2023). Social Acceptance Panel, Deepening Space and Connections for Meaningful Bison Collaboration, Continental Bison Working Group, Denver, CO.

Land tenure and land use mapping for buffalo restoration (2023). Habitat Mapping Panel, Deepening Space and Connections for Meaningful Bison Collaboration, Continental Bison Working Group, Denver, CO.

Black & Indigenous solidarities (2022). Panel, International Mayan League, virtual.

Past, present, and future Indigenous data sovereignty needs in agriculture (2022). Workshop, Collaborative for Indigenous Data Governance, University of Arizona, virtual.

Indigenous knowledges focal area community dialogue (2022). Panel, Global Futures Laboratory, School of Sustainability, Arizona State University, Tempe, AZ.

Graduate student recruitment (2022). Panel, School of Life Science, Arizona State University, virtual.

Two-eyed ecology in TEK and western science practice: a student perspective (2022). Panel, Indigenous Ethics, Protocols and Self-determination in Science and Research, Water-cooler Chat, Ecological Society of America, virtual.

Enhancing engagement between professional societies and Tribal nations (2021). Panel, Executive Board, Ecological Society of America, virtual.

Indigenous in STEM: designing an inclusive western academy (2021). Panel, Center for Integrative Natural Science and Mathematics and Black Faculty and Staff Association, Northern Kentucky University, virtual.

Land tenure security and chronic poverty in Indian country (2021). Symposium, Indigenous Research Roundtable, American Indian Graduate Student Association and American Indian Student Support Services, Arizona State University, virtual.

Promoting resiliency through research: community engagement in graduate school research (2020). Panel, InterTribal Agriculture Council Annual Conference, virtual.

Invited Lectures [7]

Tatanka oyate: stewards of community and ecology (2025). AIS 598: Indigenizing Food Systems, Melissa Nelson, School of Sustainability, Arizona State University, virtual.

Creating/updating your resume and cover letter (2022). Professional Development Course, Ciarra Greene, Native Environmental Science Program, Northwest Indian College, virtual.

Social fragmentation: a vicious feedback cycle and how to break it (2022). YSE 831: Society and Natural Resources Seminar, Susan Clark, School of the Environment, Yale University, virtual.

Tatanka oyate: buffalo restoration, management, and ecology (2022). AIS 598: Indigenizing Food Systems, Melissa Nelson, School of Sustainability, Arizona State University, Tempe, AZ.

Resilient sovereignty: Indigenous community-centered sovereignty vs. colonial state-centered sovereignty (2021). GEOG 491: Indigenous Environmental Activism, Deondre Smiles, Department of Geography, University of Victoria, virtual.

Environmental and physiological factors that influence foraging behavior, forage quality, and nutrition in wild and domestic herbivores (2020). BIO 648: Foraging Ecology, Gideon Wasserberg, Department of Biology, University of North Carolina, Greensboro.

Narcissism as a trait of normal personality and as a personality disorder (2011). PSY 201: Personal and Social Adjustment, Ryan Holt, Department of Psychology, California State University, San Bernardino.

Invited Extension Presentations [5]

Soil and water conservation in small-scale agriculture (2014). Chino Basin Water Conservation District, Montclair, CA.

Integrated pest management: Science and practice (2013). Master Gardener Program of San Bernardino County, San Bernardino, CA.

Introduction to soils and composting (2013). Racadio Library, Highland, CA.

Introduction to arboriculture (2012). Turf and Landscape Institute, Rancho Cucamonga, CA.

Sustainable and edible landscaping (2012). City Frontier Project, Rancho Cucamonga, CA.

Invited Community Presentations [15]

Hacking our human nature for satisfying relationships (2015). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

The brain mechanisms of happiness (2015). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

The neurobiology of human relationships (2014). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

The role of sex in romantic relationships (2014). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

Resolving relational conflicts (2013). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

Maintaining a lifelong intimate relationship (2013). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

Happy people and happy relationships (2012). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

The etiology and characteristics of abusive and happy relationships (2012). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

The socio-cultural dynamics of human relationships (2011). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

Happiness and the quality of social relationships (2010). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

Narcissism, neuroticism, and violence (2010). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

The cycle of violence in intimate partner violence (2009). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

Finding a career after incarceration (2009). Transformational Living Homes, Bellflower, CA.

Gender differences in the cycle of violence (2008). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

Intimate partner violence and mental health (2007). YWCA-WINGS domestic violence advocates' certification program, West Covina, CA.

Arranged Symposia, Panels, Workshops, Webinars, and Oral Sessions [23]

Creating Indigenous bodies of culture across STEM institutional networks (2023). Ecological Society of America Annual Meeting, Portland, OR.

TEK in ESA: a change is going to come in the relationship between Indigenous traditional ecological knowledges and ecological science (2022). Ecological Society of America and Canadian Society for Ecology and Evolution Joint Meeting, Montreal, Canada.

Elevating Indigenous knowledges in ecology (2022). Ecological Society of America and Canadian Society for Ecology and Evolution Joint Meeting, Montreal, Canada.

Intentional relationality: braiding knowledge systems for ecological restoration, climate adaptation, and environmental justice (2022). Ecological Society of America and Canadian Society for Ecology and Evolution Joint Meeting, Montreal, Canada.

Planning resilient ecological futures with Indigenous communities (2022). Ecological Society of America and Canadian Society for Ecology and Evolution Joint Meeting, Montreal, Canada.

Indigenous science: a non-western epistemology of knowledge; Vivian Delgado (2022). Traditional Ecological Knowledge Section, Ecological Society of America.

Lessons learned and considerations for conducting research with Tribes and Indigenous peoples; Frank Lake (2022). Traditional Ecological Knowledge Section, Ecological Society of America.

The Biden-Harris Administration's initiative to elevate Indigenous TEK in federal decision-making: a conversation with the White House Office of Science and Technology Policy; Gretchen Goldman and Haley Case-Scott (2022). Traditional Ecological Knowledge Section, Ecological Society of America.

Protecting TEK: the role of Tribal historic preservation offices; Shasta Gaughen (2022). Traditional Ecological Knowledge Section, Ecological Society of America.

Biocultural restoration of Whitebark Pine on the Flathead Indian Reservation; Michael Durglo (2022). Traditional Ecological Knowledge Section, Ecological Society of America.

Reciprocity of Indigenous knowledge in ecology education: towards a more inclusive ecology (2021). Ecological Society of America Annual Meeting, virtual.

Traditional ecological knowledge for a more inclusive ecology (2021). Ecological Society of America Annual Meeting, virtual.

Sense of place: vital connections, Tribal culture, and ecology (2021). Ecological Society of America Annual Meeting, virtual.

Traditional ecological knowledge: connecting past and future, people and place, and ways of knowing (2021). Ecological Society of America Annual Meeting, virtual.

Indigenous ethics, protocols, and self-determination in science and research; Paulette Blanchard (2021). Traditional Ecological Knowledge Section, Ecological Society of America.

The role of TEK in building circular economies and influencing federal land tenure policy changes on reservations; Valerie Small (2021). Traditional Ecological Knowledge Section, Ecological Society of America.

Correlation vs. causation: how historical marginalization is linked to ecological damages; Margaret Redsteer (2021). Traditional Ecological Knowledge Section, Ecological Society of America.

Ethical space, science, Indigenous knowledge: conflict and reconciliation in ecological management; Gwen Bridge (2021). Traditional Ecological Knowledge Section, Ecological Society of America.

Integrating western science into Indigenous knowledge processes; Steve DeRoy (2021). Traditional Ecological Knowledge Section, Ecological Society of America.

Guidelines for the use of traditional knowledges; Ann Marie Chischilly (2021). Traditional Ecological Knowledge Section, Ecological Society of America.

Ki?lawna? (grizzly bear): alternative ways of knowing, Indigenous knowledge systems, complexity sciences, and forestry in the Okanagan, BC, Canada; Ellen Simmons (2021). Traditional Ecological Knowledge Section, Ecological Society of America.

TEK: learning from our mother, the Earth; Daniel Wildcat (2021). Traditional Ecological Knowledge Section, Ecological Society of America.

Wonder is the seed of science, sessions I and II (2020), wonder is the seed of science. Session Chair, 20th Annual Honors Undergraduate Symposium, Lloyd International Honors College, University of North Carolina, Greensboro.

Paper Presentations [19]

*Presenter in bold.

Jacobs, L. A., Yamane, C., Hernandez, J., McAllister, T., Carlson, A. K., Fisk, J., Milligan-McClellan, K., Gazing Wolf, J., Jennings, L., Grenz, J., & Avery, C. (2024). A critical declaration of decolonization and indigenization for scientific research and the academy. Paper presented at the Indigenous Graduate Student Symposium, Simon Fraser University and University of British Columbia.

Gazing Wolf, J. (2023). Elevating Indigenous knowledges in ecology and beyond. Paper presented at the Ecological Society of America, Portland, OR.

Salcedo, M., et al. ..., & Gazing Wolf, J. (2022). Wing expansion in gregarious migratory locusts. Paper presented at the Society for Integrative and Comparative Biology, Austin, TX.

Gazing Wolf, J. (2022). Land tenure equity and security as a prerequisite to resilient Indigenous food systems. Paper presented at the Build and Broaden Indigenous Agriculture Food Sovereignty Symposium, Keweenaw Bay Indian Community and Northern Michigan University.

Gazing Wolf, J., Maeder, K., & Koerner, S. (2020). Grazing and restoration in North Carolina's Longleaf Pine savannas: Utilizing native grasses as forage on working rangelands. Poster session presented at the Graduate Research and Creativity Expo, University of North Carolina, Greensboro, NC.

Gazing Wolf, J. (2020). Building resiliency into working rangelands: Are conservation, profitability, and modernization at odds? Paper presented at the Society for Range Management, Denver, CO.

Gazing Wolf, J. (2019). Regenerative agriculture in Indigenous communities: A reframing of an ancient practice. Paper presented at the Regenerate Conference, Albuquerque, NM.

Rayne, S., Martinez, S., & **Gazing Wolf, J.** (2019). Geospatial agriculture and the future of crop monitoring. Paper presented at the American Association of Geographers, Washington, DC.

Gazing Wolf, J., Bhandari, S., Raheja, A., Chaichi, M., Do, D., Pham, F., Sherman, T., Ansari, M., & Espinas, A. (2018). Unmanned aerial vehicles with multispectral technology for the estimation of lettuce crop biomass and plant height. Paper presented at the National McNair Scholars Conference, UCLA Luskin Conference Center, CA.

Gazing Wolf, J., & Fox, A. (2018). Vacuuming as an alternative pest control measure in small-scale regenerative agriculture. Paper presented at the California State University Statewide Honors Conference, California State University, Northridge, CA.

Gazing Wolf, J., Bhandari, S., Raheja, A., Chaichi, M., Do, D., Ansari, M., Pham, F., Sherman, T., Gonzalez, K., & Espinas, A. (2018). Talking to plants from the sky: Unmanned aerial vehicles and the future of plant health. Paper presented at the California State University Statewide Honors Conference, California State University, Northridge, CA.

Bhandari, S., Raheja, A., Chaichi, M., Green, R., Do, D., **Ansari, M.**, Pham, F., Gazing Wolf, J., Sherman, T., Gonzalez, K., & Espinas, A. (2018). Measurement and validation of plant water and nitrogen stresses using UAV-based remote sensing and machine-learning techniques. Paper presented at Phenome 2018 Conference, Tucson, AZ.

Bhandari, S., Raheja, A., Chaichi, M., Green, R., Do, D., Ansari, M., Nordyke, K., **Gazing Wolf, J.**, Sherman, T., Pham, F., & Gonzalez, K. (2017). Unmanned aerial vehicles for precision agriculture using multispectral images and machine learning. Paper presented at the Agricultural Research Institute Showcase, California State Polytechnic University, Pomona, CA.

Gazing Wolf, J., Ansari, M., Do, D., Navarro, P., Nordyke, K., Bhandari, S., & Raheja, A. (2017). Crops of the future: Unmanned aerial vehicles and machine learning for increased efficiency in precision agriculture. Paper presented at the California State University Statewide Honors Conference, California State University, Bakersfield, CA.

Ansari, M., **Gazing Wolf, J.**, Do, D., Navarro, P., Nordyke, K., & Bhandari, S. (2017). Aerospace engineering, computer science, and agriculture: Collaboration for a sustainable future. Paper presented at the Spring Green Expo, Metropolitan Water District of Southern California, Los Angeles, CA.

Gazing Wolf, J., Ansari, M., Do, D., Navarro, P., Nordyke, K., & **Bhandari, S.** (2017). Unmanned aerial vehicles for precision agriculture using multispectral images and machine learning (Update). Paper presented at the Ignite 22 People Planet Galaxy Conference, San Pedro, CA.

Gazing Wolf, J., & Campbell, K. (2012). Can Narcissus ever maintain a relationship: Relationship characteristics as mediators. Paper presented at the International Association for Relationship Research, Chicago, IL.

Gazing Wolf, J. (2007). Social justice issues in education. Paper presented at the 3rd annual Social Justice Summit, California State University, Fullerton, CA.

Gazing Wolf, J. (2005). Moral rationalization and egocentrism in immoral behavior. Paper presented at the American Psychological Society, Los Angeles, CA.

Poster Presentations [20]

*Presenter in bold.

Gazing Wolf, J., Bhandari, S., Raheja, A., Chaichi, M., Do, D., Pham, F., Sherman, T., Ansari, M., & Espinas, A. (2018). Unmanned aerial vehicles with multispectral technology for growth analysis of lettuce. Poster session presented at the 4th Annual Creative Activities and Research Symposium, California State Polytechnic University, Pomona, CA.

Gazing Wolf, J., & Fox, A. (2018). Vacuuming as an alternative control method for the invasive pest, *Bagrada hilaris*. Poster session presented at the Student Research, Scholarship and Creative Activities Conference, California State Polytechnic University, Pomona, CA.

Gazing Wolf, J., Ettehadieh, S., Palomino-Ibarra, D., Yamasaki, L., Aguilera, J., Niemeyer, A., & Fox, A. (2017). Alternative pest control methods for the invasive pest, *Bagrada hilaris*. Poster session presented at the Agricultural Research Institute Showcase, California State Polytechnic University, Pomona, CA.

Bhandari, S., Raheja, A., Chaichi, M., Green, R., Espinas, A., Do, D., Ansari, M., Nordyke, K., **Gazing Wolf, J.**, Sherman, T., & Pham, F. (2017). Unmanned aerial vehicles for precision agriculture using multispectral images and machine learning. Poster session presented at the Agricultural Research Institute Showcase, California State Polytechnic University, Pomona, CA.

Gazing Wolf, J., Bhandari, S., & Raheja, A. (2017). Unmanned aerial vehicles for precision agriculture in orchard crops. Poster session presented at the Southern California Conferences for Undergraduate Research, California State Polytechnic University, Pomona, CA.

Gazing Wolf, J., Ansari, M., Do, D., Navarro, P., Nordyke, K., & Bhandari, S. (2017). Unmanned aerial vehicles for precision agriculture using multispectral images and machine learning. Poster session presented at the Environmental Sciences Conference, California State Polytechnic University, Pomona, CA.

Leitner, N., Campbell, K., & **Gazing Wolf, J.** (2013). Are expensive weddings more satisfying? Poster session presented at the Western Psychological Association, Reno, NV.

Munakash, K., **Gazing Wolf, J.**, & Campbell, K. (2013). The old green eye of Narcissus: envy moderates the age-narcissism link. Poster session presented at the Society for Personality and Social Psychology, New Orleans, LA.

Flowers, T., **Gazing Wolf, J.**, & Campbell, K. (2013). The association between musical preference and intrapersonal and interpersonal traits. Poster session presented at the Society for Personality and Social Psychology, New Orleans, LA.

Flores, C., **Gazing Wolf, J.**, Salcedo, R., Munakash, K., & Campbell, K. (2012). Me in TV: reality television, narcissism, and infidelity in a national sample. Poster session presented at the Society for Personality and Social Psychology, San Diego, CA.

Munakash, K., Knight, K., Flores, C., **Gazing Wolf, J.**, & Campbell, K. (2012). Are reality television shows associated with narcissism, envy, and consumerism? Poster session presented at the Society for Personality and Social Psychology, San Diego, CA.

Flores, C., Munakash, K., **Gazing Wolf, J.**, Davila, R., & Campbell, K. (2011). Ethnicity and social media usage. Poster session presented at the American Psychological Association, Washington, DC.

Munakash, K., Flores, C., **Gazing Wolf, J.**, & Campbell, K. (2011). Facebook me: narcissism, social media, and infidelity. Poster session presented at the Western Psychological Association, Los Angeles, CA.

Flores, C., Munakash, K., **Gazing Wolf, J.**, & Campbell, K. (2011). Envy and infidelity expectations. Poster session presented at the Western Psychological Association, Los Angeles, CA.

Gazing Wolf, J., Flores, C., & Campbell, K. (2010). Narcissism and commitment in romantic relationships. Poster session presented at the Western Psychological Association, Cancun, Mexico.

Flores, C., **Gazing Wolf, J.**, & Campbell, K. (2010). Big Five Factors and the enactment of couple rituals. Poster session presented at the Western Psychological Association, Cancun, Mexico.

Sorgi, A., Gazing Wolf, J., & Harrigan, J. (2005). The effects of fear on coping style and gender. Poster session presented at the Western Psychological Association, Portland, OR.

Gazing Wolf, J., Sorgi, A., & Harrigan, J. (2005). Fear of death: gender and age differences. Poster session presented at the Western Psychological Association, Portland, OR.

Gazing Wolf, J., Harris, D., & Harrigan, J. (2004). Awareness of physiological indices in anxiety; extraversion and gender. Poster session presented at the Western Psychological Association, Phoenix, AZ.

Harris, D., Gazing Wolf, J., & Harrigan, J. (2004). Coping with anxiety: gender and age differences. Poster session presented at the Western Psychological Association, Phoenix, AZ.

Public Press [23]

PhD grad focused on Indigenous people's experiences in academia (2025, Article). Risa Aria Schnebly, ASU News, School of Life Sciences.

Tribes unite to restore buffalo to Native lands (2025, Radio). Zach Boblitt, Public Radio Tulsa.

Life of scientists (2024, Film). Santiago Lab: Interdisciplinary Science YouTube Channel, Southern Florida University.

Re-grounding democracy in traditional ecological knowledge (2024, Podcast). Green Dreamer Podcast.

Relational engagement with Indigenous communities through the Heritage Lands Collective (2024, Podcast). Heritage Voices Podcast, Living Heritage Anthropology, LLC.

Boulder ethnographic-education project: Indigenous perspectives on ethnography (2024, Podcast). Heritage Voices Podcast, Living Heritage Anthropology, LLC.

Strong spirit: the American buffalo documentary series by Ken Burns (2023, Film). Panhandle PBS.

Climate change threatens the Great Plains, but bison may hold a key to resilience (2022, Radio). NPR, Kansas News Service, KCUR 89.3.

Indigenizing science: listening to Indigenous STEM students at ASU (2022, Film). Indigenous Knowledges Focal Area, Global Futures Lab, Arizona State University.

Sustainable flower farming for Valentine's Day (2022, Article). Cronkite News, Arizona PBS.

Reclaiming Indigenous foodways on the prairie (2021, Article). Horticultural Society Newsletter, North Dakota State University.

Healing scars on the land (2021, Article). Earth Systems Science for the Anthropocene, Julie Ann Wrigley Global Futures Laboratory, Arizona State University.

Ecological research on inequity is inspired by Tribal identities (2021, Article). The Graduate Insider, The Graduate College, Arizona State University.

Student researchers answer questions about science courses, anxiety in remote learning (2021, Article). Arizona State University News, Arizona State University.

Indigenous knowledge and climate change mitigation (2020, Podcast). Resiliency Through Agriculture Podcast, InterTribal Agricultural Council.

Research magazine feature (2020, Article). Office of Research and Engagement, University of North Carolina, Greensboro.

College picks faculty, staff, students for annual awards (2018, Article). College of Agriculture News, California State Polytechnic University, Pomona.

An early start on success (2018, Article and Film). Bronco Magazine, California State Polytechnic University, Pomona.

Research spotlight (2018, Article). Achieve Scholars Program, California State Polytechnic University, Pomona.

Joseph Gazing Wolf (2018, Social Media Post). Kellogg Honors College, California State Polytechnic University, Pomona.

Distinguished student spotlight (2017, Article). Department of Strategic Communications, California State Polytechnic University, Pomona.

We are CPP: Joseph Gazing Wolf redefines the term non-traditional (2017, Social Media Post). College of Agriculture, California State Polytechnic University, Pomona.

A heartfelt mission to Mexico (2002, Article). Mountaineer Newspaper, Mount San Antonio College.

Self-Defense [3]

Self-defense techniques for college women, on- and off-campus (2011). Lambda Theta Alpha Latin Sorority, Inc. National Convention, San Diego, CA.

Effective self-defense techniques (2009). Lambda Theta Alpha Latin Sorority, Inc., California State University, San Bernardino.

Effective self-defense techniques (2009). Lambda Theta Alpha Latin Sorority, Inc., University of Southern California, Los Angeles, CA.

Teaching and Mentorship

Graduate Research Mentees

Ei Ei Samai, Ph.D. Education, Lesley University, 2025-present

Carine Rofshus, M.S. Environmental Science, Yale School of Environment, 2025-present

Emma Goethe, M.S. Sustainability Solutions, Arizona State University, 2021-2022 — Currently in a Ph.D. program at Arizona State University

Mehdi Ansari, M.S. Agricultural Science, California State Polytechnic University, Pomona, 2016-2018 — Currently in a Ph.D. program at UC Riverside

Undergraduate Research Mentees

Emma Goethe, B.A. Sustainability, Arizona State University, 2020-2021

Tyle Kathman, B.A. Sustainability, Arizona State University, 2020-2021

Nebeyu Menkir, B.S. GIS and B.S. Urban Planning, Arizona State University, 2020-2021 — Currently in a Ph.D. program at Penn State

Viral Shukla, B.S. Food Science, California State Polytechnic University, Pomona, 2017-2018

Latoya Boone, Melissa Castro, Rony Castellanos, Pilar Olid, Agnieszka Podgorska, Guadalupe Gonzalez, Jennifer Roach, Alexandra Lexi, Humberto Urbano, Austino Disabato, Cynthia Sanchez, Erika Lopez, Nicole Leitner, Yadi Hurtado, Claudia Gutierrez, Sofia Gianoutsos, B.A. Psychology, California State University, San Bernardino, 2010-2012

Student Experiential Field Experiences

Working with Tribes: Cultural Land Management, Co-Stewardship, and Ethical Research. Heritage Lands Collective: Four Corners Region, United States, 2023-present

Indigenous Sustainability in the Amazon: Solar Canoes Against Deforestation. Iyarina Amazon Field School: Quito/Geyepade/Gomataon, Ecuador, 2022-2023

Indigenous Fire, Buffalo Restoration, and Food Production with the Osage Nation. The Nature Conservancy: Tallgrass Prairie Preserve, Pawhuska, Oklahoma, 2022-2023

Indigenous History and Ecology of Yellowstone National Park. National Collegiate Honors Council: Yellowstone National Park, 2020

Indigenous Cultural Land Management and Education Among Northeastern Plains Tribes. National Collegiate Honors Council: Colorado/Nebraska/South Dakota, United States, 2018-2019

Indigenous Sustainable Agriculture in the Tropics. Agricultural Biology Club and the Department of Plant Science, California State Polytechnic University, Pomona: Limón Province, Costa Rica, 2018

Indigenous Grassland Management in High-Altitude Dry Plains. Kellogg Honors College and the Department of Plant Science, California State Polytechnic University, Pomona: Lima/Cusco, Peru, 2018

Indigenous History and Ecology of Yosemite National Park. California State Polytechnic University, Pomona: Yosemite National Park, 2017

Service

Editorial Review Boards

Associate Editor & Reviewer, *Frontiers in Ecology and the Environment*, 2021-present

Reviewer, *Journal of Geoscience Education*, 2021-present

Reviewer, *Rangelands*, 2020-present

Indigenous Reviewer, *Outdoor Education Curriculum*, The Wildlife Society, 2024-2025

Grand Awards Judge for Earth and Environmental Sciences, Regeneron International Science and Engineering Fair, Society for Science, 2021

Proposal Reviewer for Symposia, Organized Oral Sessions, and Inspire Sessions, Annual Conference, Ecological Society of America and Canadian Society for Ecology and Evolution, 2021

Research Grant Reviewer, Graduate and Professional Student Association, Arizona State University, 2020-2021

Inclusivity Reviewer, Dreamscape Immersive Virtual Reality Education Project, Research for Inclusive Science, Technology, Engineering, and Mathematics Education Center, Arizona State University, 2020

Proposal Reviewer for Symposia, Organized Oral Sessions, and Inspire Sessions, Annual Conference, Ecological Society of America, 2020

Working Groups and Advisory Committees

Indigenous Kinship Circle, The Central Grasslands Roadmap Initiative, 2025-present

Board of Trustees, Bird Conservancy of the Rockies, 2024-present

Continental Bison Working Group, Western Conservation Society and Terramar Consulting Group, 2022-present

Range Management Advisory Committee, Board of Forestry and Fire Protection, State of California Natural Resources Agency, 2020-present

Bison Specialist Group, International Union for Conservation of Nature, 2019-present

Indigenous Involvement Working Group, George Wright Society, 2023-2024

Artificial Intelligence in Indigenous Agriculture Steering Committee, Udall Center and Native Nations Institute, University of Arizona, 2022-2024

Ranchland Project Advisory Committee, Project Title: Perceived benefits, barriers, and enabling conditions of ranch management planning across the Northern Great Plains, The Nature Conservancy and Colorado State University, 2020-2022

Diversity, Equity, and Inclusion Committee, River-based Immersive Education and Research (RIVER) Field Studies Network, 2021-2022

Advisory Board, Project Title: Lived Experiences of Indigenous, Latinx, Chicanx, and Hispanx Ranchers in the Western US and Their Technology Adoption Decisions, Department of Forest and Rangeland Stewardship, Colorado State University, 2020-2021

Professional Societies

Member, Native Peoples Wildlife Management Working Group, The Wildlife Society, 2023-present

Mentor, American Indian Science and Engineering Society, 2022-present

Advisor, Indigenous Voices Joint Convening, American Indian Science and Engineering Society & Ecological Society of America, 2024

Member, Emerging Ecological Issues Committee (formerly Science Committee), Ecological Society of America, 2020-2023

Secretary, Traditional Ecological Knowledge Section, Ecological Society of America, 2020-2022

Representative, Executive Council, Ecological Society of America, 2021-2022

Graduate Student Mentor, Strategies for Ecology Education, Diversity and Sustainability program (SEEDS), Ecological Society of America, 2019-2022

Member, Native American Rangeland Advisory Committee, Society for Range Management, 2020-2021

Graduate Student Liaison, Rangeland Ecology Section, Ecological Society of America, 2019-2021

Campus Representative, Western Psychological Association, California State University, San Bernardino, 2010-2013

Campus Representative, Association for Psychological Science, California State University, San Bernardino, 2009-2012

University Service

Indigenous Knowledges Focal Area, Global Futures Lab, Arizona State University, 2022-present

Core Member, Research for Inclusive STEM Education (RISE) Center, Arizona State University, 2022-present

Ask a Biologist, The College of Liberal Arts and Sciences, Arizona State University, 2021-2025

Earth System Science for the Anthropocene, Global Futures Lab, Arizona State University, 2020-2025

Distinguished Advisor, Office of Distinguished Graduate Fellowships, Arizona State University, 2020-2021 — Advised students from underrepresented backgrounds on their NSF GRFP fellowship applications

Graduate Student Recruiter, AISES Conference, The College of Liberal Arts and Sciences, Arizona State University, 2021

Diversity, Equity, and Inclusion Committee (HIVED), Social Insect Research Group, Arizona State University, 2020

Graduate Student Representative, Graduate Council, University of North Carolina, Greensboro, 2019-2020 — Assisted in the formulation of campus academic policy, graduate curriculum, and course requirements

President, Agricultural Biology Club, California State Polytechnic University, Pomona, 2017-2018

Peer Mentor Emeritus, Achieve Scholars Program, California State Polytechnic University, Pomona, 2017-2018

Vice-President, Agricultural Biology Club, California State Polytechnic University, Pomona, 2016-2017

Peer Mentor, Achieve Scholars Program, California State Polytechnic University, Pomona, 2016-2017

President, General-Experimental Psychology Club, California State University, San Bernardino, 2009-2010

Peer Mentor, Department of Psychology, California State University, San Bernardino, 2009

Publicity Officer, Psi Chi, International Honor Society in Psychology, California State University, Fullerton, 2005-2006

Multicultural Leadership Facilitator, Multicultural Leadership Center, California State University, Fullerton, 2006

Peer Mentor, Department of Psychology, California State University, Fullerton, 2005

Treasurer, Psi Beta, National Honor Society in Psychology, Mount San Antonio College, 2001-2002

Timekeeper, Psychology Club, Mount San Antonio College, 2001-2002

Community Service

Habitat for Humanity and Amor Ministries, 1996-present — Built shelters for single mothers and families living with homelessness in Mexico and Guatemala

YWCA Women in Need Growing Strong (WINGS), 2004-present — Provided educational programming for shelter and program volunteers; Designed an anger management program for young boys in the shelter; Engaged shelter youth in recreational and outdoor activities

Coalition to Stop Violence Against Native Women, 1993-present — Provided educational programming for shelter and program volunteers; Developed public education programming focusing on healthy romantic relationships

Affiliations

American Indian Science and Engineering Society (AISES)

Ecological Society of America (ESA)

Society for the Advancement of Biology Education Research (SABER)

InterTribal Agricultural Council (IAC)

Inter-institutional Network for Food, Agriculture, and Sustainability (INFAS)

International Science Reserve, the New York Academy of Sciences (ISR)

Council on Undergraduate Research (CUR)

National Collegiate Honors Council (NCHC)

Gamma Sigma Delta, Honors Society in Agriculture (ΓΣΔ)

Phi Theta Kappa Honor Society (ΦΘΚ)

Phi Kappa Phi Honor Society (ΦΚΦ) – Lifetime Member (12429805)

Golden Key International Honor Society

Psi Chi, International Honor Society in Psychology (ΨΧ)

Psi Beta, National Honor Society in Psychology (ΨΒ)

Shotokan Karate of America (SKA)

Additional Education and Training

Licenses

Prescribed Fire:

Burn Boss, National Wildfire Coordinating Group, 2022-in progress

FEMA Student ID# 0007301018

Courses:

IS-00100.c: Introduction to Incident Command System, ICS-100 (11/28/2022)

L-180 Human Factors in The Wildland Fire Service NWCG 2014 (11/29/2022)
S-190 Introduction to Wildland Fire Behavior (11/29/2022)
S-130 Firefighter Training, Field Exercise (11/30/2022)
RT-130 Annual Fireline Safety Refresher with Fire Shelter Training (11/30/2022)

Diving:

Scientific Diver, Bermuda Institute of Ocean Sciences (BIOS), PADI, 2022
Rescue Diver, #22080I4278, BIOS, PADI, 2022
Advanced Open Water Diver, #22080I4250, BIOS, PADI, 2022
Emergency Oxygen Provider, # 22080I4218, BIOS, PADI, 2022
EFR - Primary Care (CPR) & Sec Care (1st) w/ AED, #22080I4108, BIOS, PADI, 2022
Open Water Diver, #12090C6325, Pacific Wilderness, PADI, 2012

Communications:

Amateur Radio License, #KM6DBL, Federal Communications Commission, FRN#: 0025617713, 2016

Certifications

Karate-Do, Sensei Fumio Demura of Shito Ryu Karate Do Genbu Kai, Sensei Tsutomu Ohshima of Shotokan Karate of America, 1986-present

Transitioning Land to a New Generation, American Farmland Trust, 2023

Landscape Design, Mount San Antonio College, 2016

Horticulture Science, Mount San Antonio College, 2016

Community Emergency Response Team, Los Angeles County Fire Department, 2016

Tree Care and Maintenance, Mount San Antonio College, 2015

Nursery Management, Mount San Antonio College, 2015

Livestock Production Management, Mount San Antonio College, 2015

Landscape Irrigation, Mount San Antonio College, 2015

Landscape and Park Maintenance, Mount San Antonio College, 2015

Animal Science Fundamentals, Mount San Antonio College, 2015

Artificial Insemination (Cattle), All West Select Sires, 2014

Master Composter, Mojave Desert and Mountain Recycling Authority, 2013

Master Food Preserver, University of California Cooperative Extension, 2013

Citizen Arborist, Tree People, 2013

Certified Food Worker, County of San Bernardino, CA, 2013

Master Gardener, University of California Cooperative Extension, 2012

Edible Landscaping Train the Trainer, California Center for Urban Horticulture, 2012
Angeles National Forest Restoration Supervisor, TreePeople and the U.S. Forest Service, 2012
Islamic and Middle Eastern Studies, California State University, San Bernardino, 2011
Community College Teaching, California State University, Fullerton, 2008
University Leadership, California State University, Fullerton, 2006
Public Service and Nonprofit Leadership, California State University, Fullerton, 2006
Peer Education: Tutoring Specialization, California State University, Fullerton, 2006
Racial Awareness and Cultural Enrichment, California State University, Fullerton, 2006
Leadership Training, California State University, Fullerton, 2006
Student Peace Education and Cultural Training, California State University, Fullerton, 2006
Domestic Violence Victim Advocate, YWCA-WINGS Program, 2004

Data and Technological Training

Landscape Exchange Network for Socio-environmental Systems (LENS), National Ecological Observatory Network Airborne Observation Platform (NEON AOP), 2022
Introduction to R, Datacamp, 2021
Quantitative Analysis in Plant Community Ecology using R, Ecological Society of America, 2021
Future of Synthesis in Ecology and Environmental Science, University of California, Santa Barbara and National Center for Ecological Analysis and Synthesis, 2021
Interdisciplinary Power of Data Workshop, Ecological Society of America and the National Science Foundation, 2021
Diversity, Equity and Inclusion in Socio-Environmental Synthesis, National Socio-Environmental Synthesis Center (SESYNC), 2020

Pedagogical Training

River-based Immersive Education and Research (RIVER) Field Studies Network Field Research Training Program, School of Earth and Sustainability, Northern Arizona University, 2021
Integrating large ecological datasets into undergraduate research and teaching with EREN, NEON, and Project EDDIE, National Science Foundation, 2021
Course-Based Undergraduate Research Experiences (CUREs) Workshop, School of Mathematical and Natural Sciences, Arizona State University, 2021

Research and Mentorship Programs

Strategies for Ecology Education, Diversity and Sustainability Program (SEEDS), Ecological Society of America, 2016-2018

McNair Scholars Program, California State Polytechnic University, Pomona, 2017-2018
Achieve Scholars Program, California State Polytechnic University, Pomona, 2016-2018
Louis Stokes Alliance for Minority Participation (LSAMP), California State Polytechnic University, Pomona, 2016-2018
Science Educational Enhancement Services (SEES), California State Polytechnic University, Pomona, 2016-2018
Graduate Readiness for Advanced Degrees (GRAD) Program, California State Polytechnic University, Pomona, 2016-2018
Research Aligned Mentorship Program (RAMP), California State Polytechnic University, Pomona, 2016-2018
McNair Scholars Prep Program, California State Polytechnic University, Pomona, 2016-2017

Tribal Climate Adaptation and Conservation Training

Standing Rock Sioux Tribe Climate Adaptation Summit, 2021
Tribal Planning Workshop Series, School of Geographical Sciences and Urban Planning, Arizona State University, 2021
Rangeland Training Program, Native American Rangeland Training Initiative, 2020

Filmmaking and Storytelling Training

Video Storytelling, Climate Land Leaders and Greener Pastures, 2023
Digital Storytelling, InterTribal Agriculture Council, Inter-Institutional Network for Food, Agriculture, and Sustainability, and StoryCenter, 2023

Science Communication Training

ComSciCon, Harvard University, 2021

References

Sara Brownell, Professor, Schools of Life Sciences, Arizona State University, Tempe, AZ 85287, (315) 408-8228, sbrownel@asu.edu, Ph.D. Committee Chair

Melissa Nelson, Professor, School of Sustainability, Arizona State University, Tempe, AZ 85287, (415) 259-9902, Melissa.K.Nelson@asu.edu, Ph.D. Committee Co-Chair

Arianne Cease, Associate Professor, Schools of Sustainability and Life Sciences, Arizona State University, Tempe, AZ 85287, (503) 853-2036, acease@asu.edu, Ph.D. Committee Member

David Manuel-Navarrete, Associate Professor, Schools of Sustainability, Arizona State University, Tempe, AZ 85287, (480) 435-7617, davidmn@asu.edu, Ph.D. Committee Member

Michelle Montgomery, Associate Professor and Social and Historical Studies Division Chair, University of Washington Tacoma, (253) 692-4671, montgm2@uw.edu, Research Collaborator and Mentor

Ruth Plenty Sweetgrass-She Kills, Director of Food Sovereignty, Nueta Hidatsa Sahnish College, (701) 421-8160, rhall@nhsc.edu, Research Collaborator and Mentor

Diana Doan-Crider, Executive Director, Animo Partnership in Natural Resources, (830) 955-5845, diana@animopartnership.org, Research Collaborator and Mentor

Susan Clark, Professor, School of the Environment, Yale University, susan.g.clark@yale.edu, Mentor

Megan Hanson, Founder, RootDown LA, Los Angeles, CA, (415) 722-2248, megan@rootdownla.org, Supervisor