MICHAEL J. REMKE, Ph.D.

Assistant Professor and Department Chair, Department of Forestry
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Research focus: Post-fire forest ecology and restoration; ectomycorrhizal and pyrophilous fungi; plant–soil–microbe interactions, conifer seedling establishment under drought in ponderosa pine, mixed-conifer, and spruce-fir forests of the Southwest and grassland mycorrhizal interactions.

Summary (2023–2026, NMHU): 12 courses taught (1000- to graduate-level) · 5 M.S. theses chaired (3 completed) · 2 NSF EPSCoR proposals submitted with NMHU as lead (~$8.3 M requested; sole PI and Co-PI) · student co-authors on most presentations · Department Chair (2025–present).

*Graduate student mentee · **Undergraduate student mentee

EDUCATION

Ph.D., Forest Science, Northern Arizona University, Flagstaff, AZ — 2019

Graduate Certificate in Applied Statistics
Dissertation: *Getting to the root of change: How plants respond to novel climates, soils, and soil biota*

B.S., Environmental Biology, Fort Lewis College, Durango, CO — 2012

Certificate in Geographic Information Systems
Thesis: *Plant community responses to the coupled effects of dust on snow and warming in an alpine environment, southwestern Colorado*

ACADEMIC AND PROFESSIONAL APPOINTMENTS

Department Chair, Department of Forestry, New Mexico Highlands University — 2025–present
Assistant Professor of Forestry, New Mexico Highlands University (one year credited toward tenure) — 2023–present
Forestry Program Coordinator, New Mexico Highlands University — 2023–2025
Lecturer of Biology (full-time), Fort Lewis College, Durango, CO — 2022–2023
Field Instructor, Wild Rockies Field Institute (Restoration Ecology, Greater Yellowstone) — 2022
Adjunct Professor of Biology, Fort Lewis College — 2020–2021
Research Associate, Mountain Studies Institute, Durango, CO — 2019–2021
Research Coordinator and Field Crew Lead, Ecological Restoration Institute, Fort Lewis College — 2018
Conservation & Land Management Intern, Chicago Botanic Garden/BLM, Alturas, CA — 2013
Conservation Manager, Lindner Ranches — 2012
Research Coordinator, Fort Lewis College — 2011–2012
Weed/GIS Technician, La Plata County, CO — 2011

SCHOLARSHIP, RESEARCH, AND CREATIVE ACTIVITY

PEER-REVIEWED PUBLICATIONS

1. **Remke, M.**, Schneider, K., Korb, J. (2025). Leafing out: Leaf area index as an indicator for mountain forest recovery following mixed-severity wildfire in southwest Colorado. *Forests* 16: 872. doi:10.3390/f16060872
2. Young, M.**, **Remke, M.**, Korb, J. (2024). The interacting influence of fire and tree characteristics on Douglas-fir beetle host-tree selection five years post-fire. *Fire* 7: 64. doi:10.3390/fire7030064

3. Janoušková, M., **Remke, M.**, Johnson, N.C., Blažková, A., Rydlová, J., Kolaříková, Z., Bowker, M.A. (2023). Transferred communities of arbuscular mycorrhizal fungi persist in novel climates and soils. *Soil Biology and Biochemistry* 187: 109190. doi:10.1016/j.soilbio.2023.109190
4. **Remke, M.J.**, Johnson, N.C., Bowker, M.A. (2022). Sympatric soil biota mitigate a warmer-drier climate for *Bouteloua gracilis*. *Global Change Biology* 28: 6280–6292. doi:10.1111/gcb.16369
5. Brophy, S.**, Korb, J.E., **Remke, M.J.** (2022). Mycorrhizal propagule densities and soil properties across varying burn severities, three years post-fire, in warm/dry mixed conifer forest in the 416 Fire, southwest Colorado, USA. *Metamorphosis* (Fort Lewis College undergraduate research journal).
6. **Remke, M.J.**, Hoang, T.**, Kolb, T., Gehring, C., Johnson, N.C., Bowker, M.A. (2020). Familiar soil conditions help *Pinus ponderosa* seedlings cope with warming and drying climate. *Restoration Ecology* 28: S344–S354. doi:10.1111/rec.13144
7. **Remke, M.**, Johnson, N.C., Williamson, M., Wright, J.**, Bowker, M.A. (2020). Sympatric pairings of dryland grass populations, mycorrhizal fungi, and associated soil biota enhance mutualism and ameliorate drought stress. *Journal of Ecology*.
8. Uhey, D.A., Hofstetter, R.W., Haubensak, K.A., **Remke, M.**, Vissa, S. (2020). Climate and vegetation structure shape ant communities along elevational gradients on the Colorado Plateau. *Ecology and Evolution*.
9. Lekberg, Y., Van der Putten, W., Bever, J., Callaway, R., Reinhart, K., Klironomos, J., **Remke, M.**, Hart, M. (2018). The relative importance of plant–soil feedback and competition varies based on environment. *Ecology Letters*.

MANUSCRIPTS IN REVIEW AND IN PREPARATION

1. **Remke, M.**, Stevens, B., Johnson, N.C., Bowker, M.A. *Bromus tectorum* invasion alters mycorrhizal fungal communities and disrupts mutualism. **In review**, *Applied Soil Ecology*.
2. Tomczyk, N., Call, A., Mahan, K., Yannanon, E., Chamberlain, C., **Remke, M.**, Stevens-Rumann, C. Beyond burn severity: pre-fire fuel conditions that promote residual post-fire forest structure. **In review**, *International Journal of Wildland Fire*.
3. Mbami, R.*, **Remke, M.**, et al. Moss and mycorrhizal fungi as drought buffers for post-fire *Pinus ponderosa* reforestation stock. **In preparation** for *Restoration Ecology*.
4. Kobziar, L., Lampman, P., … **Remke, M.**, Mehrad, B. Wildfire smoke delivers viable, disease-causing fungal pathogens. **In preparation**.
5. **Remke, M.**, et al. Classification and drivers of species composition in mixed-conifer forests of northern New Mexico and southern Colorado using Forest Inventory and Analysis data. **In preparation**.

TECHNICAL REPORTS, HANDBOOKS, AND PROCEEDINGS

1. Payton, E., Arens, S., Biederman, J., Margoles, D., … **Remke, M.**, et al. (2021). *Snowtography: Snowpack & Soil Moisture Monitoring Handbook*. Western Water Assessment / USDA-ARS / The Nature Conservancy.
2. **Remke, M.**, Chambers, M.E., Tuten, M., Pelz, K.A. (2021). The status of our knowledge and management implications in mixed conifer forests of the San Juan Mountain region of Colorado, USA. Colorado Forest Restoration Institute, CFRI-2110.
3. **Remke, M.** (2020). Diameter caps, mountain pine beetle outbreaks, and drought: A literature review with an emphasis on management implications. San Juan National Forest Technical Report.
4. **Remke, M.**, Culpepper, A., Kimple, A. (2020). Forest stewardship and restoration enhances shrub growth while maintaining desired overstory conditions in dry mixed conifer forests in southwest Colorado. San Juan National Forest Technical Report.
5. **Remke, M.** (2012). Genetic conservation: A literature review focused on preserving plant genetic material for restoration and conservation on federal lands in southwestern Colorado. Technical Report.
6. **Remke, M.**, Korb, J., Steltzer, H. (2010). Plant community responses to the coupled effects of dust on snow and warming in alpine environments, southwestern Colorado. *Proceedings of the Biennial Conference of Science and Management on the Colorado Plateau*.

GRANTS AND FUNDING

Submitted / Pending

NSF EPSCoR RII: E-RISE – NM-EMBERS: New Mexico Emulation Models for Belowground and Aboveground Ecosystem Recovery in Restoration Silviculture. **Co-PI** (PI J. Sloan; NMHU lead with UNM, NMSU, USGS, Forest Stewards Guild); lead of belowground Aim 2.	Aug 2026	$7,999,999
NSF EPSCoR Research Fellows – After the Fire: Systematic and Functional Ecology of Pyrophilous Cup Fungi and Truffles in New Mexico Forests. **Sole PI**; host Dr. M.E. Smith, Univ. of Florida.	Apr 2026	$299,999
Joint Fire Science Program (UNM lead, proposal 27-2-1-78) – NMHU subaward, PI on subaward.	Sept 2026	Subaward

In Development

USDA NIFA Hispanic-Serving Institutions Education Grant – Get Hyphae: A Soil-to-Seedling Training Pipeline in Soil Science, Mycorrhizal Culturing & Reforestation at NMHU. PD.	Dec 2026	$399,999
New Mexico EPSCoR statements of interest (drought-adapted ECM inoculation; oak–pine mycorrhizal facilitation, with D.L. Taylor, UNM)	2026	

Funded – External

New Mexico EPSCoR SURE Award – The Fungus Among Us: Cultivating and sequencing fungi from diverse environments (PI)	2025	$16,500
Open Research Funders Group – Open, reliable, and transparent research start-up (PI)	2024	$10,000
LI-COR Environmental Education Fund – LEEF Soil Survey Package (PI)	2023	$35,290
The Nature Conservancy – Forests and Water: forest structure influences on snow accumulation and ablation (PI)	2022	$25,000
Colorado Water Center – Post-fire vegetation and soil biotic communities, 416 Fire and Hermosa Creek (team)	2021	$34,892
Bureau of Land Management, Climate and Plant Research Program – Long-term alpine plant monitoring	2020	$65,000
USFS Rocky Mountain Research Station, Forest Health – Adaptive Silviculture for Climate Change, understory responses	2020	$94,000
U.S. Forest Service agreement – Ecological research associated with land management	2020	$104,000
Colorado Water Center, Watershed Fund – Post-fire vegetation communities in the 416 Fire	2019	$50,000

Funded – Internal (NMHU Faculty Senate Research Committee)

25% release time for external grant writing	Spring 2026	Course release
Faculty–Student Research and Creative Works Fund (+ $500 mentor stipend)	2026	$1,790
Travel award – presenting research at a national/international conference	2026	$1,200
Faculty Research Grant – Fire moss, mycorrhizae, and conifer interactions	2023	$4,970

Submitted – Not Funded

NSF HSI: Advancing Proactive Experiential Recognition of the Small World (APÉROS) – program discontinued before review	2025	$193,584
Society for the Protection of Underground Networks – Underground Explorer grant	2024	$10,000

PRESENTATIONS

Invited Talks and Keynotes

1. **Remke, M.** Fungal diversity on the Las Vegas and Rio Mora National Wildlife Refuges. *Presentations On The Playas*, Las Vegas National Wildlife Refuge, NM (public lecture, Fall Flight Festival). Nov 21, 2026 (scheduled).
2. **Remke, M.** Keynote, New Mexico Mycological Society Annual Foray, Sipapu, NM. 2026.
3. **Remke, M.**, Mbami, R.*, Osei-Mensah, G.*, Johnson, N.C., Bowker, M., Chambers, M., McNorvell, M.* Pyrophilous fungi: Are fire lovers facilitating or inhibiting desired tree regeneration? Biology Research Seminar, Northern Arizona University. 2025.
4. **Remke, M.**, Johnson, N.C., Bowker, M. Mycorrhizal allocation determines their function across varying environmental contexts. 9th International Conference on Mycorrhiza. 2017.
5. **Remke, M.**, Johnson, N.C., Bowker, M. Moving from the glasshouse to the field: understanding plant–soil feedbacks in ecological settings. MPG Ranch International Workshop on Plant–Soil Feedback, MT. 2016.

International Conferences

1. **Remke, M.**, Martinez, S.**, Mbami, R.*, Propster, J. Ectomycorrhizal exploration type, not colonization rate, determines drought resilience and pathogen suppression in nursery-grown ponderosa pine seedlings. 48th New Phytologist Symposium: Forest Interactions, Leysin, Switzerland. Oct 2026 (poster).
2. **Remke, M.**, Mbami, R.* Growing moss: Using moss and soil fungi to enhance reforestation of *Pinus ponderosa* after wildfire. Society for Ecological Restoration World Conference, Denver, CO. Oct 2025 (oral).
3. **Remke, M.**, Johnson, N.C., Bowker, M. The home team advantage: Locally adapted plants and soil biota yield greater mutualistic function. 8th International Conference on Mycorrhiza. 2015 (poster).
4. **Remke, M.**, Johnson, N.C., Williamson, M., Bowker, M.C. *Bouteloua gracilis* and its associated soil organisms likely coevolved: the importance of home. 33rd New Phytologist Symposium, Zurich, Switzerland. 2014 (poster).

National and Regional Conferences

1. Martinez, S.** (speaker), Mbami, R.*, Propster, J., Sloan, J., **Remke, M.** Fire moss and mycorrhizae as drought buffers for post-fire reforestation nursery stock. Society of American Foresters National Convention, Tacoma, WA. Oct 9, 2026 (oral).
2. Kobziar, L., Lampman, P., Bonfantine, K., Smith, J., Anger, N., Adhikari, A., Fox, S., Vuono, D., Aurell, J., Gullett, B., Garrett, K., Lampman, O., **Remke, M.**, Mehrad, B. Beyond particles: Wildfire smoke delivers disease-causing fungal pathogens validated in mouse models. American Geophysical Union Annual Meeting. Dec 2025.
3. Kobziar, L., et al., **Remke, M.**, Mehrad, B. Wildfire smoke fungal bioaerosols include disease-causing pathogens confirmed in mouse models. American Association for Aerosol Research Annual Conference. Oct 2025 (poster).
4. **Remke, M.**, McNorvell, M.*, Brophy, S.**, Rumen, C., Rotunda, A.*, Cespedes, B., Garcia, J., Klutch, J. Beneath the flames: Fire effects on soil fungi in large wildfires in Colorado. Association for Fire Ecology Southwest Chapter Conference, Santa Fe, NM. 2024 (oral).
5. **Remke, M.**, Stevens, B., Johnson, N.C., Bowker, M. Cheatgrass invasion alters soil microbe community structure in ways that negatively impact native plant growth. Southwest Society for Ecological Restoration Conference. 2023 (oral).
6. **Remke, M.**, Tuten, M., Kimple, A. Ecological forestry in southwestern mixed conifer forests: economic viability of management. Southwestern Ecological Restoration Annual Symposium. 2020 (poster).
7. **Remke, M.**, Johnson, N.C., Haubensak, K., Williamson, M., Bowker, M. Mycorrhizal allocation determines their function across varying environmental contexts. Soil Ecology Society Meeting. 2017 (oral).
8. **Remke, M.**, Johnson, N.C., Bowker, M. Mycorrhizal common gardens: how mycorrhizal associations influence plant populations in a changing world. 14th Biennial Conference for Science and Management on the Colorado Plateau. 2017 (oral).

University and Student Research Symposia

1. **Remke, M.**, Mbami, R.*, Propster, J., Sloan, J. Growing moss: Using moss and mycorrhizal fungi to enhance reforestation of *Pinus ponderosa* after wildfire. NMHU Research Days. 2026.

2. Mbami, R.*, **Remke, M.** Mutualistic moss–fungi associations as a tool for post-fire reforestation in drought landscapes. NMHU STEM Showcase. 2025.
3. Osei-Mensah, G.*, **Remke, M.** Pine cone vs. woody debris: Chemical composition and morphological structures of biochar produced from ponderosa pine. NMHU STEM Showcase. 2025.
4. Martinez, S.**, **Remke, M.** Interactive effects of moss, mycorrhizae, and water availability in conifer seedlings under greenhouse conditions. NM Alliance for Minority Participation Statewide Conference, Las Cruces, NM. 2025.
5. LaRocca, V.**, **Remke, M.** Chlorophyll a and biomass responses to biological and water treatments in greenhouse ponderosa pine. NM Alliance for Minority Participation Statewide Conference, Las Cruces, NM. 2025.
6. Dennington, M.**, Campbell, R.**, **Remke, M.** Exploring snow dynamics in Chicken Creek, Colorado. NMHU Faculty Research Days. 2025.
7. Berens, J.**, **Remke, M.** Carbon storage of grazed and ungrazed pasture in New Mexico shortgrass prairie. NMHU Faculty Research Days. 2025.

PEER REVIEW AND EDITORIAL SERVICE

Review Editor, *Frontiers in Ecology and Evolution* – Models in Ecology and Evolution (editorial board).

Ad hoc reviewer: *Journal of Ecology*; *New Phytologist*; *Plant and Soil* (2023, 2024, 2025, 2026); *Oecologia*; *Forests*; and others.

TEACHING, ADVISING, AND MENTORING

COURSES TAUGHT – NEW MEXICO HIGHLANDS UNIVERSITY

FORS 1010 Humans and Ecosystems (Learning Community with ENGL Composition I in 2025)	F23, F25
FORS 2010 Forestry Field and Safety Practices (CURE: fuels monitoring, Collins Lake Ranch)	F23, F24, F26
FORS 3400 Quantitative Methods	F26
FORS 4020 Silviculture	S24
FORS 4100 Forest Management	F24
FORS 4160/5160 Soil Science (CURE: post-fire soils, HPCC Fire; UWC field labs)	F24, F25, F26
FORS 4240C Wildland Pest Management (service-learning with United World College)	S24, S25, S26
FORS 4260 Professional Ethics	S25, S26
FORS 4350/5350 Special Topics: Soil Research Methods	S25
FORS 4350/5350 Special Topics: Biomass Utilization Technologies	F26
FORS 4920 Applied Forestry Research (senior capstone)	S26
FORS 6200 Advanced Topics: Theory of Ecology	S24
FORS 6200 Advanced Topics: Writing and Publishing a Scientific Paper	F25
FORS 6250 Advanced Quantitative Methods	F25
Directed studies: Wildland Fire Management; Mensuration and Biometrics; Applied Forestry Research	S25, F25

Guest Lectures

COURSES TAUGHT – PRIOR INSTITUTIONS

Fort Lewis College (Lecturer/Adjunct): BIO 106 Ecology, Evolution & Diversity of Life; BIO 125 Conservation Biology (online); BIO 250 Ecology of the Southwest; BIO 377 Ecological Methods; BIO 437 Advanced Topics in Forest Ecology; BIO 496/497 Senior Capstone and Senior Thesis — 2020–2023

Wild Rockies Field Institute: three-week field course in Restoration Ecology, Greater Yellowstone — 2022

Northern Arizona University: REU mentor; Southwest Experimental Garden Array outreach with Flagstaff High School and Grand Canyon Trust volunteers — 2013–2018

Fort Lewis College Teaching Assistant: Field Ecology; Cellular and Molecular Biology; Introduction to GIS — 2011–2012

GRADUATE STUDENT MENTORING

Thesis Committee Chair / Major Advisor (NMHU, M.S. Natural Sciences)

Audrey Garrett – Forestry concentration (in progress) — 2026–present

Joseph Romero – Forestry concentration (in progress) — 2025–present

Richmond Mbami – moss–mycorrhiza drought buffers in post-fire reforestation (M.S. completed) — Summer 2026

Grant Osei-Mensah – biochar in reforestation nursery operations; NMHU Forestry (M.S. completed; thesis award winner) — 2024–2026

Alexis (Lexi) Hersh – ponderosa pine provenance trials; Environmental Science & Management (M.S. completed) — 2024–2026

Dillon Alexander – phenological and growth traits among ponderosa pine provenances (M.S. 2025) — 2023–2025

Thesis Committee Member

Paris Mikem Yambali – reactivity of thiol compounds with carbonyl compounds, NMHU Chemistry (outside member) — 2026

Chisom Izuchukwu – antioxidant properties of taurine analogues, NMHU Chemistry (outside member; M.S. 2025) — 2023–2025

Andrea Nduul – reactivity of cysteamine and cysteine with carbonyl compounds, NMHU Chemistry (outside member; M.S. 2025) — 2023–2025

Michael McNorvell – post-fire fungal communities and soil hydrophobicity, Colorado State University (M.S. 2024) — 2022–2024

UNDERGRADUATE RESEARCH MENTORING

New Mexico Highlands University

Samantha Martinez – NM-AMP undergraduate researcher; speaker, SAF National Convention (2026) — 2025–2026

Andres Alvarado and Mikhail Parison – NM-AMP undergraduate researchers — 2026

SURE-funded undergraduate researchers – NM EPSCoR SURE award — 2026

Veronica LaRocca – NM-AMP undergraduate researcher — 2025

Jera Berens – senior capstone — 2025

Mitchell Dennington and Rojrika Campbell – undergraduate research — 2025

Fort Lewis College – Senior Theses

I. Crews — 2024

E. Post — 2021

S. Brophy — 2021

B. Gaber — 2020

Northern Arizona University – Undergraduate Theses / REU

T. Hoang — 2018

J. Wright — 2017

H. Tso	2016
A. Knauf	2015

ACADEMIC ADVISING

Academic advisor to ~20 Forestry and 3 Conservation Management majors per year (2024–present); developed color-coded degree roadmaps for three undergraduate pathways, individualized degree maps for students on non-linear paths, and a monthly chair's message to all majors.

TEACHING PROFESSIONAL DEVELOPMENT

Professional Development Days (presenter: Academic Program Outcomes Assessment), NMHU	2026
Ambitious Science Teaching (Anchoring Phenomena), CAMINOS Grant, NMHU	2025
SomosSTEM Culturally Responsive Mentoring Workshop, ESCALA/SomosSTEM, NMHU	2024, 2025
Trans Care Faculty Book Club, NMHU Center for Teaching Excellence	2025
OnCourse: Engaging and Empowering Learners, SomosSTEM, NMHU	2023
Teaching Science Writing Workshop, CTE/CAMINOS/Writing Center, NMHU	2023
The New College Classroom Faculty Book Club, NMHU Center for Teaching Excellence	2023
Grab the M.I.C. (Motivation, Inclusion, Compassion) Teaching Workshop, Fort Lewis College	2023

SERVICE

DEPARTMENT OF FORESTRY

Department Chair: scheduling, budget, annual faculty evaluations, onboarding of three new tenure-track faculty, Forestry faculty handbook (2026), graduate-coordinator delegation and M.S. graduate handbook initiative, new-course proposals (Technical Tree Climbing; Integrated Natural Resource Management), department information sheet and hallway faculty poster	2025–present
Author, Forestry Program Review (five-year review)	2025
Author, Linda LaGrange property land-use plan (NMHU Foundation); departmental lab and field safety training record (reviewed by EHS)	2025–2026
Chair, faculty search committee (four positions; three tenure-track hires)	2024–2025
Program Coordinator: curriculum map, revised program learning outcomes and outcomes-assessment plan, preliminary and Spring 2026 OA reports	2023–2025
Faculty Advisor, NMHU Forestry Club	2023–present
Student recruitment: Smokey Bear Days (Capitan), United World College, NMED forestry professionals event, Luna Community College, NM MESA, new-student orientation	2023–present

UNIVERSITY

Faculty Senator (elected)	2024–present
Outcomes Assessment Committee; General Education Steering Committee work on Gen Ed assessment	2025–present
Judge (STEM), Graduate School Distinguished Thesis Award	2026
HazMat Protocols Workgroup	2025
Chair, Academic Affairs Committee	2024–2025
Chemical Safety Committee; Union Safety Committee	2024–2025
Institutional Review Board	2023–2024

PROFESSION

Board Member, Southwest Fire Science Consortium (JFSP Knowledge Exchange); reviewer, white paper on AI use in the natural sciences	current
Member, Southwest Colorado CFLRP Science and Monitoring Committee	current
Associate, Society for the Protection of Underground Networks (SPUN)	2023–present
Committee member (DEI; Education and Outreach), Society for Open, Reliable, and Transparent Ecology and Evolutionary Biology	2023–present
Planning committee, field-trip lead, and special-session/panel organizer (Hermit's Peak–Calf Canyon Fire), 4th Southwest Fire Ecology Conference, Santa Fe	2024
Student poster/presentation judge at professional meetings	ongoing

COMMUNITY AND OUTREACH

Public lecture, Presentations On The Playas, Las Vegas National Wildlife Refuge	2026
Coordinator, volunteer GLORIA alpine plant monitoring (Truchas Peaks/Pecos target region) with GLORIA Great Basin and ABQ BioPark Rare Plant Program	2025
Judge, Northeast New Mexico Regional Science Fair	2026
Student volunteer coordination with Hermit's Peak Watershed Alliance; forest planning support for Collins Lake Ranch and Gascon Ranch	2023–present
Course-based partnership with United World College–USA forest management	2024–present
Scientist Mentor, ESA PlantingScience; Mentor, ESA SEEDS	2012–present
President, Southwest Chapter, Colorado Native Plant Society	2019–2022
Classroom Scientist, Flagstaff Festival of Science	2014–2018

HONORS AND AWARDS

Achievement Rewards for College Scientists (ARCS) Scholar Award ($24,000)	2016–2018
NSF IGERT Fellowship, Genes to Environment ($50,000)	2013–2014
ESA SEEDS Travel Award ($1,000); Tri Beta Biological Honor Society; John Dever Best in Show Biology Poster; Who's Who Among American Colleges and Universities	2012
Ted and LeAnn Compton Scholarship ($6,000); ESA SEEDS Colorado Plateau Chapters Grant ($5,000)	2011
Fort Lewis College Emerging Scholar Writing Award	2008

CERTIFICATIONS AND FIELD TRAINING

Wilderness First Responder (current)	ongoing
Spanish-language Prescribed Fire Training Exchange (TREX), California	2023
LI-COR soil trace-gas flux workshop (UNM/LI-COR)	2025

PROFESSIONAL MEMBERSHIPS

Colorado Native Plant Society	2011–	Society of American Foresters	2019–
Ecological Society of America	2012–	American Association for the Advancement of Science	2019–
Mycological Society of America	2014–	New Mexico Native Plant Society	2022–
Soil Ecology Society	2014–	New Mexico Mycological Society	2023–
International Mycological Society	2016–	Hermit's Peak Watershed Alliance	2023–
Society for Ecological Restoration	2018–	SORTEE	2023–