

BRYAN S. WEE

Campus Address: University of Colorado Denver, Campus Box 172 PO Box 173364, Denver CO 80217
Email: bryan.wee@ucdenver.edu

EDUCATION

2007	PhD	Dept. of Curriculum & Instruction, Purdue University	Science Education
2001	MS	Dept. of Forestry & Natural Resources, Purdue University	Conservation Biology
1996	BA	Dept. of Economics, University of Washington, Seattle	Economics <i>major</i> Wildlife Science <i>minor</i>

PROFESSIONAL EXPERIENCES

2025-present	<i>Department Chair, Geography & Environmental Sciences, University of Colorado Denver</i>
2014-2025	<i>Associate Professor with tenure, Geography & Environmental Sciences, University of Colorado Denver, USA</i>
2007-2013	<i>Assistant Professor, Joint Tenure-Track Appointment, Geography & Environmental Sciences with School of Education, University of Colorado Denver, USA</i>
2000-2007	<i>Research Assistant and Teaching Assistant, Purdue University, USA</i>
2000-2001	<i>Naturalist, Indiana Department of Natural Resources, USA</i>
1998-1999	<i>Assistant Manager, National Parks Board, Singapore</i>
1996-1998	<i>Assistant Curator, Jurong Bird Park, Singapore</i>

LEADERSHIP SKILLS & POSITIONS

Skills

2025 – 2026	<i>Chairs & Directors Community Support & Training (C-SAT), CU Denver</i>
Jan/Feb 2026	<i>Conflict Management for Academic Leaders, CU Denver</i>
Oct 2025	<i>Communicating as a Leader, UCD AMC: Learning & Development, CU</i>
Oct 2025	<i>DISC Leadership Style, UCD AMC: Learning & Development, CU</i>

Positions

2025 – present	Chair, Geography & Environmental Sciences
2025	Associate Chair, Geography & Environmental Sciences
2015-2025	Director of Graduate Certificate in Environmental Science Education
2015-2018	Director of Sustainability Minor, Interdisciplinary Studies
2015-2018	Director of Undergraduate Studies, Geography & Environmental Sciences

PEER REVIEWED PUBLICATIONS, IN PRINT, IN REVIEW ([†] authorship with students)

[†] **Wee, B.**, Page, B. & DePierre, A. (in review) *The Hawker Question and Urban Redevelopment: Contested Foodscapes in 20th century Singapore*. Food, Culture & Society.

[†] Oscilowicz, E., Anguelovski, I., Connolly, J., Shokry, G., Triguero-Mas, M. & **Wee, B.** (in print) *Planning in an era of Poly-crisis: Challenges and Pathways for Climate and Housing Justice*. Journal of American Planning Association.

[†] **Wee, B.**, Crawford, B. & DePierre, A. (2026) Drawing insights about place: Spatial representations of the environment in Hawai'i. In Shoreman-Ouimet, E., Fredlund J. & Kopnina, H. (Eds.), *Handbook of Environmental Anthropology* (2nd ed.), pp. 139-150. New York: Routledge.

[†] **Wee, B.**, Page, B. & DePierre, A. (2025) Tensions with Intangible Cultural Heritage in Urban Foodways: Cooking, Eating and Sharing Hawker Food in Singapore [special issue]. *Sociétés et Représentations*, 60, pp. 157-179.

[†] **Wee, B.**, DePierre, A., Page, B., Schmit, A. & Ariefdjohan, M. (2023) Evolving foodscapes: A spatial history of hawkers in Singapore [*Digital Story Maps*]. University of Colorado Denver & National Library Board of Singapore. <https://storymaps.arcgis.com/collections/a24b930bc0fa4666844eb6c0577a71e7>

[†] Martz, C., Powell, R., **Wee, B.** & Myers, A. (2023) Evaluating environmental education programs using a qualitative GIS approach. *Children, Youth & Environments*, 33 (2), 175-187.

[†] Martz, C., Powell, R. & **Wee, B.** (2023) Exploring relationality among children's place attachments in their experiences of a new place. *Geographical Review*, 113 (3), 318-336.

[†] Simon, G., **Wee, B.**, Chatti, D. & Anderson, E. (2022) Drawing on knowledge: Visual narrative analysis for critical environment and development research. *Environment and Planning E: Nature and Space*, 1, 293-317.

[†] Rees, A., Harwood, M., Praley, M., **Wee, B.** & Duster, T. (2022) Validating the spaces of our lives in geography education [special issue]. *The Geography Teacher*, 19 (3), 87-92.

[†] Martz, C., Powell, R. & **Wee, B.** (2022) The impact of COVID-19 lockdowns on young people's relationships with nature: A socio-spatial perspective [special issue]. *Children, Youth & Environments*, 32 (1), 128-151.

Page B., **Wee B.**, Chen, Y.C. & Schmit, A. (2021) Sustainability along the Yangtze: A study abroad collaboration between geography and environmental science. *The Geography Teacher*, 18, 150-157.

[†] Steger, A., Evans, E. & **Wee, B.** (2021) Emotional cartography as a window into children's wellbeing: Visualizing the felt geographies of place. *Emotion, Space & Society*, 39, 1-10

Wee, B. (2020) The nature of childhood in childhoodnature. In A. Cutter-Mackenzie, K. Malone, E. Barratt Hacking (Eds.), *International Research Handbook on ChildhoodNature*, pp. 1025-1042. Springer International Handbooks of Education.

† Huvad, H., Talbot, R., Mason, H., Thompson, N. A., Ferrara, M. & **Wee, B.** (2020). Science identity and metacognitive development in undergraduate mentor teachers. *International Journal of STEM Education*, 7 (31), 1-17.

† Martz, C., Powell, R. & **Wee, B.** (2020) Engaging children to voice their sense of place through location-based story making with photo-story maps. *Children's Geographies*, 18 (2), 148-161.

Wee, B. (2019). Not Enough [*Digital Story*]. Aquifer: The Florida Review online, University of Central Florida. <https://floridareview.cah.ucf.edu/article/not-enough/>

† Marzetta, K., Mason, H. & **Wee, B.** (2018) 'Sometimes they are fun and sometimes they are not': Concept mapping with English language acquisition and gifted/talented students learning science and sustainability. *Education Sciences*, 8 (13), 1-12.

† Ferrara, M., Talbot, B., Mason, H., **Wee, B.**, Jacobson, M. & Rorrer, R. (2018) Enriching undergraduate experiences with outreach in school STEM clubs. *Journal of College Science Teaching*, 47 (6), 74-82.

† **Wee, B.**, Mason, H., Abdilla, J. & Lupardus, R. (2018) Nationwide perceptions of U.S. green school practices: Implications for reform and research. *International Research in Geographical and Environmental Education*, 27 (4), 283-294.

† **Wee, B.** & Mason, H. (2017) Children's language about the environment. In Kopnina, H. & Shoreman-Ouimet, E. (Eds.), *Handbook of Environmental Anthropology* (1st ed.), pp. 401-411. Routledge.

† Talbot, R., Hartley, L., Marzetta, K. & **Wee, B.** (2015) Transforming undergraduate science education with Learning Assistants: Student satisfaction in large enrollment courses. *Journal of College Science Teaching*, 44 (5), 24-30.

Wee, B. & Anthamatten, P. (2014) Using photography to visualize children's culture of play: A socio-spatial perspective. *Geographical Review*, 104 (1), 87-100.

† **Wee, B.**, DePierre, A., Anthamatten, P. & Barbour, J. (2013) Visual methodology as a pedagogical research tool in geography education. *Journal of Geography in Higher Education*, 37 (2), 164-173.

† Simon, G., **Wee, B.**, Chin, A., DePierre, A., Guth, D. & Mason, H. (2013) Synthesis for the interdisciplinary environmental sciences: Integrating systems approaches and service learning. *Journal of College Science Teaching*, 42 (5), 42-49.

Wee, B. (2013) On agendas and perspectives in environmental education: revisiting Kopnina, disciplinary imperatives and paradoxes of (multi) cultures. *Environmental Education Research*, 19 (2), 266-268.

[†] Anthamatten, P., **Wee, B.** & Korris, E. (2012) Exploring children's perceptions of play using visual methodologies. *Health Education Journal*, 72 (3), 309-318.

Wee, B. (2012) A cross-cultural exploration of children's everyday ideas: Implications for science teaching and learning. *International Journal of Science Education*, 34 (4), 609-627.

[†] Den Ouden, K. & **Wee, B.** (2011) Cultivation of social responsibility through school community gardens. In R. L. Oxford & J. Lin (Eds.), *Transformative eco-education for human and planetary survival*, pgs. 75-86. IAP Inc.

Wee, B. & Anthamatten, P. (2009) Exploring the child's reality through self-selected images: The use of photography in the science classroom. *The Hoosier Science Teacher*, 34 (4), 114-120.

Wee, B. (2009). Understanding children's connections to the environment in the U.S. and Singapore: Implications for geography educators. *Research in Geographic Education*, 11 (2), 79-93.

[†] Riskowski, J., Davis-Todd, C., **Wee, B.**, Dark, M. & Harbor, J. (2009) The effectiveness of an interdisciplinary water resources engineering module in an eighth-grade science course. *International Journal of Engineering Education*, 25 (1), 181-195.

[†] Shepardson, D., **Wee, B.**, Priddy, M., Schellenberger, L. & Harbor, J. (2009) Water transformation and storage in the mountains and at the coast: Midwest students' disconnected conceptions of the hydrologic cycle. *International Journal of Science Education*, 31 (11), 1447-1471.

[†] Shepardson, D., **Wee, B.**, Priddy, M., Harbor, J. & Schellenberger, L. (2007) What is a watershed? Implications of student conceptions for environmental education and the national science standards. *Science Education*, 91 (4), 554-578.

[†] Shepardson, D., **Wee, B.**, Priddy, M. & Harbor, J. (2007) Students' mental models of the environment. *Journal of Research in Science Teaching*, 44 (2), 327-348.

Wee, B., Shepardson, D., Fast, J. & Harbor, J. (2007) Teaching and learning about inquiry: Insights and challenges in professional development. *Journal of Science Teacher Education*, 18, 63-89.

Wee, B., Harbor, J. & Shepardson, D. (2006) Multiculturalism in environmental science: A snapshot from Singapore. *Multicultural Perspectives*, 8 (2), 10-17.

Shepardson, D., Harbor, J. & **Wee, B.** (2005) Water towers, pump houses and mountain streams: Students' ideas about watersheds. *Journal of Geoscience Education*, 53 (4), 381-386.

Wee, B., Fast, J., Shepardson, D., Harbor, J. & Boone, B. (2004) Students' perceptions of environmental-based inquiry experiences. *School Science and Mathematics*, 104 (3), 112-118.

RESEARCH GRANT ACTIVITIES († joint applications with students)

† **Wee, B.** & DePierre, A. (2025) *Intangible culture and technological change in Singapore's 'local' food production*. President's Fund for the Humanities, University of Colorado Denver, \$15,000, unfunded.

† **Wee, B.** & Newcomer, J. (2025) *Place-making from children's perspectives: Developing an assets-based measure of neighborhood stability through social infrastructure*. Grant submitted to Office of Research Services, Seed Grant Program, University of Colorado Denver, \$10,000, funded.

† **Wee, B.**, Page, B. & DePierre, A. (2024). *Remembering Singapore's street hawkers: Visualizing and mapping intangible cultural heritage in everyday spaces*. Research grant, National Heritage Board, Singapore, \$150,000, unfunded.

† **Wee, B.** & Newcomer, J. (2024) *Refining household churn and the relationship to involuntary displacement in Denver*. Office of Research Services, Seed Grant Program, University of Colorado Denver, \$10,000, unfunded.

† **Wee, B.**, Page, B. & DePierre, A. (2022) *Evolving foodscapes: A spatial history of hawkers in Singapore*. Digital Humanities Fellowship, National Libraries Board, Singapore, \$75,000, funded

Jacobson, M., **Wee, B.**, Darbeheshti, M., Rogers, M., & Altman, T. (2022) *STEM Learning Community for Success*. U.S. National Science Foundation, S-STEM grant, \$1,500,000, unfunded.

Wee, B. & Anthamatten, P. (2020) *In support of child-friendly cities: Identifying and applying geospatial technologies to represent children's sense of place*. President Initiatives Grant, University of Colorado Denver, \$17,500, funded.

Wee, B. & Page, B. (2020) *Faculty development funds for global study programs*, Office of Global Education and GES, University of Colorado Denver, \$5,000, funded.

Wee, B. (2019) *Developing field-based experiences for first-year students*. Advancing Curricula and Teaching (ACT) grant, College of Liberal Arts & Sciences, University of Colorado Denver, \$4,525, funded.

Wee, B. & Otañez, M. (2016). *Using arts-based research to understand community perspectives on environmental and social health*. Creative Research Collaborative Fellowships, Office of Research Services, University of Colorado Denver, \$10,000, funded.

Wee, B., Ferrara, M., Briles, C., Weaver, A., & Karunanithi, A. (2016). *Informal STEM Learning through Interdisciplinary Community Engagement (I-SLICE)*, U.S. National Science Foundation Advancing Informal STEM Learning (AISL) grant, \$300,000, unfunded.

Wee, B. (2015) *Improving teaching through intentional and integrated professional development*. Advancing Curricula and Teaching (ACT) grant, College of Liberal Arts & Sciences, University of Colorado Denver, \$3,000, funded.

Wee, B. (2015) *Nature and Culture: A Visual Autoethnography*. Research Innovation Seed Program (CRISP), University of Colorado Denver, \$4,000, unfunded.

Ferrara, M., Jacobson, M., **Wee, B.**, Talbot, R. & Rorrer, R. (2015) *STEM club leadership for undergraduate STEM education, recruiting and success*. U.S. National Science Foundation, Improving Undergraduate STEM Education (IUSE) program, \$249,876, funded.

Wee, B. (2013) *Mapping children's mental models of the environment: A global perspective*. National Endowment for the Humanities, \$6,000, unfunded.

Lundholm, C. & **Wee, B.** (2013) *Environmental knowledge and concern: A comparative study of children in Sweden and the USA*. Swedish Research Council, \$70,000, unfunded.

Talbot, R., Hartley, L. & **Wee, B.** (2012) *The effect of a learning assistant program on undergraduate science teaching and learning and science teacher recruitment*. Faculty Development Grant, University of Colorado Denver, \$9,670, funded.

Wee, B. (2012) *Assessing education for sustainability in green schools and impacts on student learning*. College of Liberal Arts & Sciences Research Innovation Seed Program (CRISP), University of Colorado Denver, \$4,720, funded.

Brink, L., **Wee, B.**, Morris, L., Zemba-Saul, C. (2012) *Science literacy through learning landscapes*. U.S. National Science Foundation, Discovery Research K-12 grant, \$2,832,967, unfunded.

Kimbrough, D., Talbot, R., Hartley, L., Bruederle, L. & **Wee, B.** (2011) *Promoting undergraduate science licensure in education (PULSE)*. U.S. National Science Foundation, Robert Noyce Teacher Scholarship Program, \$1,199,996, funded.

Wee, B. & Simon, G. (2011) *Environmental stewardship through urban agriculture: A community-based approach*. U.S. Environmental Protection Agency, environmental education grants, \$69,110, unfunded.

Chin, A., Simon, G., **Wee, B.**, Allen, C. & Barbour, J. (2011) *Developing synthetic approaches to interdisciplinary training*. Advancing Curricula and Teaching (ACT) grant, University of Colorado Denver, \$3,500, funded.

Wee, B., Lampe, S. & Main, D. (2010) *Strengthening communities, changing lives: Understanding how youth play and learn in neighborhood schoolyards*. William T. Grant Foundation, \$575,000, unfunded.

Wee, B. (2009) *Early Career Development program*. U.S. National Science Foundation, \$488,690, unfunded.

Jacobson, M., **Wee, B.**, Anderson, M. & Basile, C. (2008) *Transforming Experiences Learning Communities (TELC)*. U.S. National Science Foundation Graduate/K-12 (GK-12) program, \$2,905,834, funded.

RESEARCH IN PROGRESS († with students)

Martz, C., **Wee, B.** & Powell, R. (in progress) *Using maps as visual data to locate meanings and experiences of nature*. Manuscript intended for submission to Journal of Qualitative Research.

† Hathaway, J. & **Wee, B.** (in progress) *Collaborative mapping to represent queer spaces in Denver: A critical feminist GIS approach*. Manuscript intended for submission to Gender, Place & Culture.

INVITED TALKS & SEMINARS († with students)

Wee, B. (2024, May). *Evolving Foodscapes: A Spatial History of Hawkers in Singapore*. Invited Talk, National Library Board & National Archives, Singapore.

Wee, B. (2023, November) *Linking Teaching and Research with Visual Narratives: Stories of Place*. President's Teaching Scholars retreat, University of Colorado Boulder.

Caronan, F., Hartnett, S., Sullivan, E., Walsh, J., Otanez, M., **Wee, B.** & Miller, W. (2023, October). *Out of the Echo Chamber: How the Liberal Arts & Sciences Can Help Revitalize Democracy*. Invited Talk, CLAS Mix-Tape Sessions, University of Colorado Denver.

Wee, B. (2019, October) *Society and climate: How discourses shape our response to environmental change*. Interdisciplinary Exchange, University of Colorado Denver.

† **Wee, B.**, Mason, H., Guevara, C. & Eastes, J. (2018, October) *Counter narratives in environmental education*. Invited talk at the Geography Department, University of Montana, Missoula, MT.

Wee, B. (2017, October) *An interdisciplinary decade*. Invited talk, Fort Hays State University, KS.

Wee, B. (2015, April) *Science, love and our environmental futures*. Invited talk at the Swedish Society for Nature Conservation, Stockholm, Sweden.

Wee, B. (2011, June) *Children's views about the environment: Why language matters*. Invited talk at Jiangsu Second Normal University, Nanjing, China.

CONFERENCE PRESENTATIONS († with students)

Wee, B. (2024, April). *The construction of a nation: Hawker heritage in Singapore*. Story map presented at the American Association of Geographers (AAG) conference, Honolulu HI.

Wee, B. (2023, March). *Manufactured Foodscapes*. Story map presented at the American Association of Geographers (AAG) conference, Denver CO.

† DePierre, A., **Wee, B.**, Page, B., Schmit, A. & Ariefdjohan, M. (2023, March). *A Spatial History of Hawkers in Singapore*. Story map presented at the American Association for Geographers (AAG) conference, Denver CO.

† **Wee, B.**, Crawford, B. & DePierre, A. (2021, October). *Drawing conclusions: Children's representations of the environment in Hawai'i*. Paper presented at the North American Association for Environmental Education (NAAEE) conference, Virtual.

† Matteson, J., Fay, M., Valencia-Gaeta, S., Weaver, A., **Wee, B.** et al. (2021, April). *Integrating environmental education opportunities at an urban farm: An application of a systems theory-service learning curriculum*. Poster presented at the American Association for Geographers (AAG) conference, Virtual.

Wee, B. (2020, April). *Visual representations of children and childhood: Implications for equity in research*. Paper accepted for the American Association of Geographers (AAG) Denver CO. Conference cancelled (COVID-19).

† Verma, G., Douglass, H. & **Wee, B.** (2020, April). *The affordances of a visual methodology in understanding context: Seeing Women's science and engineering experiences*. Paper accepted for the National Association for Research in Science Teaching conference (NARST), Portland, OR. Conference cancelled (COVID-19).

Wee, B. (2018, October) *What/When/Who is a child? Discourses about children, childhood and environment*. Poster presented at the North American Association of Environmental Education (NAAEE) conference, Spokane, WA.

† Otañez, M., **Wee, B.**, Aguilar, K., Thomas, J. & Tora, A. (2018, April). *Place-based digital storytelling*. Mobile Workshop, Creative Place-making Leadership Summit, Southwest Region, Denver, CO.

† Ferrara, M., Talbot, B., Mason, H. & **Wee, B.** (2018, March) *The impact of K-12 outreach experiences on undergraduate STEM majors' scientific literacy and communication skills*. Paper presented at the National Association for Research in Science Teaching (NARST) conference, Atlanta, GA.

† Mason, H., **Wee, B.**, Ferrara, M. & Talbot, R. (2017, April). *Understanding the development of STEM identities in STEM clubs*. Paper presented at the National Association for Research in Science Teaching (NARST) conference, San Antonio, TX.

Wee, B. (2017, January). *Where is the Love? Our relationships with science and its implications for equity.* Paper presented at the Association for Science Teacher Education (ASTE) conference, Des Moines, IA.

Wee, B. (2016, March). *Leave it to the government and scientists: Children's environmental discourse in Stockholm.* Paper presented at the American Association for Geographers (AAG) conference, San Francisco, CA.

[†] **Wee, B.**, Torbjörnsson, T., Oldebring, L. & Lundholm, C. (2015, May) *Children's discourse about the environment and implications for geography education in Stockholm.* Paper presentation at the 5th Nordic conference in subject education, Helsinki, Finland

Wee, B. (2013, April) *Children's descriptions of the environment in China: Linguistic relativism and its implications for geography education.* Paper presented at the American Association of Geographers (AAG) conference, Los Angeles, CA.

[†] **Wee, B.** & Chang Y. (2012, October) *Children's descriptions of the environment and rhetoric of science.* Poster presented at the North American Association for Environmental Education (NAAEE) conference, Oakland, CA.

Mason, H., Abdilla, J. & **Wee, B.** (2012, February) *The greening of our schools: Does it matter?* Paper presented at the National Green Schools conference, Denver, CO.

Wee, B. (2011, April) *Drawings from China: Understanding children's ideas about the environment.* Paper presented at the American Association of Geographers (AAG) conference, Seattle, WA.

[†] **Wee, B.**, Anthamatten, P. & Korris, E. (2010, April) *Exploring children's perceptions of physical activity in school and local communities.* Paper presented at the American Educational Research Association (AERA) conference, Denver, CO.

Wee, B. (2009, October) *The model minority myth in academia: Equity for International Asian Faculty.* Paper presented at the National Association for Multicultural Education (NAME) conference, Denver, CO.

Chang, Y., Luce, A. & **Wee, B.** (2009, April) *Children's worldviews from Singapore, China and the United States: Implications for research and teaching in science education.* Poster presented at the National Association for Research in Science Teaching (NARST) conference, Garden Grove, CA.

Luce, A. & **Wee, B.** (2008, October) *Changing teacher education: Developing environmental consciousness through experiential education.* Poster presented at the North American Association for Environmental Education (NAAEE) conference, Wichita, KS.

Wee, B. (2007, April) *An international comparison of children's drawings: Conceptions of the environment in Singapore and the United States.* Paper presented at the National Association of Research in Science Teaching (NARST) conference, New Orleans, LA.

COURSES TAUGHT AT CU DENVER

Highlights

- 17 courses across 3 colleges/schools (*College of Liberal Arts & Sciences, College of Architecture & Planning, School of Education & Human Development*);
- 2 International Travel Study Programs (*China & Singapore*);
- 8 **new courses** developed.

DSPL 7014	Doctoral Colloquium
ENVS 1342	Environment, Society & Sustainability
ENVS 5650	Environmental Education
ENVS 6002	Research Topics in Environmental Sciences
GEOG 1111	Ethics of Modern Zoos
GEOG 1302	Introduction to Human Geography
GEOG 3160	Geography of China
GEOG 4301	Population, Culture & Resources
GEOG 4/5995	Sustainability along the Yangtze: Globalization & Environment in China
GEOG 4/5995	The City in a Garden: Globalization and Urban Sustainability in Singapore
GEOG 5150	Place, Landscape & Meaning
GEOG 5300	Children's Geographies
IDST 4/5000	Foundations of STEM Communication
IPTE 5006	Integrated Science & Social Studies in the Elementary Curriculum
SCED 5340	Equity and Culture in Science Education
SCED 5500	Nature of Science
SCED 6990	Research Seminar in Science Education

CURRENT ADVISING ([†] dissertation/thesis advisor)

PhD *Geography, Planning & Design*

[†]Amy DePierre[†]

[†]Jennifer Newcomer

[†]Emilia Oscilowicz

Ryanne Ototivo

Amanda Rees

Sneha Tallavajjula

Thalia Toha

MS *Environmental Science*

[†]Kaylee Gonzalez

[†] Chancellor's Scholarship for Graduate Research, 2023, Graduate School, CU Denver.

DISSERTATIONS ([†]research supervisor)

Nieman, H. (2025). *Emotions and science identity of undergraduate women in STEM participating in STEM outreach*. Doctoral dissertation, University of Colorado Denver.

Kitching, D. (2025). *Understanding the role of community-generated data in planning for equitable youth and family access to active transportation options*. Doctoral dissertation, University of Colorado Denver.

Martz, C. (2022). *Understanding young people's sense of place using Qualitative GIS*. Doctoral dissertation, University of Denver.

Byle, J. (2022). *Environmental literacy, stewardship identity and place-making in an environmental education program: A longitudinal study of Latinx youth*. Doctoral dissertation, University of Colorado Denver.

Cisneros, C. (2021). *Youth participatory action research as an approach to understand environmental agency in youth of color*. Doctoral dissertation, University of Colorado Denver.

Bourdeaux, B. (2019). *Young women and STEM careers: Identity and perceptions at a Mountain Region High School*, University of Colorado Denver

Le, P. T. (2019). *Facilitating inclusion and access of undergraduate students in large enrollment science classrooms*. Doctoral dissertation, University of Colorado Denver.

Thompson, A. N. (2019). *Learning assistants' actions in the classroom and their professional visions, noticing behaviors, and perceived roles*. Doctoral dissertation, University of Colorado Denver.

Douglass, H. (2016). *Making the invisible visible: A qualitative study of women's STEM experiences through visual representation*. Doctoral dissertation, University of Colorado Denver.

Marzetta, K. (2016). *A conceptual model for university students' climate change understanding, beliefs and behaviors*. Doctoral dissertation, University of Colorado Denver.

Chang, Y. (2015). *Exploring the model minority myth through a third space in Colorado*. Doctoral dissertation, University of Colorado Denver.

[†] Luce, A. (2014) *Consumption literacy: A new pedagogy for environmental science in higher education*. Doctoral dissertation, University of Colorado Denver.

[†] Wilson, E. (2014) *Facilities as teaching tools: A transformative, participatory professional development experience*. Doctoral dissertation, University of Colorado Denver.

Guenther, D. (2013) *Nutrition education and scratch cooking changes in schools: A mixed methods study of interventions in Aurora public schools*. Doctoral dissertation, University of Colorado Denver.

McLain, B. (2012) *Science identity construction through extraordinary professional development experiences*. Doctoral dissertation, University of Colorado Denver.

Zimmer, L. (2010) *Pre-service teachers' perceptions of place and curriculum: An essential link to the realization of critical place-based education*. Doctoral dissertation, Purdue University.

GRADUATE THESES & PROJECTS ([†]research supervisor)

[†] Hathaway, J. (2025) *Belonging spaces: How queer women-owned businesses create a sense of community and safety*. MA thesis. University of Colorado Denver.

[†] Zwahlen, E. (2025) *Denver public restrooms as contested places: An intersectional case study*. MHMSS final project. University of Colorado Denver.

[†] Gillard, M. (2021) *An interdisciplinary approach to understanding human-black bear conflicts in Colorado: A geospatial analysis*. MSc. thesis. University of Colorado Denver.

Evans, E. (2021) *Experiencing nature on Instagram: A new space for outdoor participation*. MA thesis, University of Colorado Denver.

[†] Tarbet, R. (2021) *Understanding refugees, water and spatial inequities in the Irbid refugee camp, Jordan*. MA thesis, University of Colorado Denver.

[†] Eastes, J. (2019) *Nature vs nature: An analysis of environmental discourse*. MSc. thesis. University of Colorado Denver.

[†] Guevara, C. (2019) *Uncovering youth environmental identities in marginalized urban communities*. MSc. thesis, University of Colorado Denver.

Diamond, A. (2018) *Garden-based learning pedagogies*. MHMSS final project, University of Colorado Denver.

Martinez, A. (2018) *Displacement and distress among low-income African American women after Hurricane Katrina: A systematic review*. MA thesis, University of Colorado Denver.

Martz, C. (2017) *Sense of place for Denver urban youth: A study of the Boys & Girls Club*. MA thesis, University of Denver.

Zabarauskas, T. (2017) *Development of spatial literacy in a study abroad context*. MA thesis, University of Colorado Denver.

Lyman, S. (2016) *A toolkit for Chinese international students*. MHMSS final project, University of Colorado Denver.

[†] DePierre, A. (2013) *Small-scale agriculture: A case study of Shikoku, Japan*. MSc. thesis², University of Colorado Denver.

[†] Mason, H. (2013) *Environment identity development: Exploring the formative experiences and mental models of teachers engaged in environmental education*. MSc. thesis³, University of Colorado Denver.

[†] Hogden, R. (2012) *Assessing the environmental literacy of environmental science students*. MSc thesis, University of Colorado Denver.

[†] Stilley, M. (2012) *Urban food deserts*. MA thesis, University of Colorado Denver.

[†] Horvath, A. (2010) *Water education in Paraguay*. MSc. thesis, University of Colorado Denver.

[†] Steiner, E. (2010) *Environmental literacy: Transformation of students into environmentally knowledgeable and conscious citizens*. MSc. thesis, University of Colorado Denver.

UNDERGRADUATE HONORS THESES ([†]research supervisor)

[†] Bouchard, C. (2018) *Geographies of sustainability in Denver: The love this place campaign*. BA Honors Thesis, University of Colorado Denver.

Hunt, E. (2018) *Understanding students' perceptions of food waste recycling programs and likelihood of adopting composting programs on Auraria campus*. BA Honors Thesis, University of Colorado Denver.

² Outstanding Graduate Research Activity Award, 2013, Research & Creative Activities Symposium, CU Denver

³ Outstanding Graduate Student Award, 2013, College of Liberal Arts & Sciences, CU Denver

SERVICE

DEPARTMENT

Department Chair, July 2025 - present
Associate Department Chair, Jan-June 2025
Search committee chair, Associate Research Professor, 2024
GES Social Justice & Workplace Culture Committee Member, 2023 – present
Director, Environmental Science Education Graduate Certificate, 2015 – present
GES Teaching, Curriculum & Assessment Committee Chair/Member, 2019-2022
Director of Undergraduate Studies, 2015-2018
GES Merit Review Committee Chair/Member, 2017-2019, 2023
GES Graduate Committee Member, 2018-2019
Faculty Lead, TA training workshops and orientations, 2015-2019
Search committee member, Tenure-track position, 2019
Search committee member, Instructor position, 2018
Search committee member, Tenure-track position, 2018

COLLEGE / SCHOOL

Director of Sustainability Minor, 2015-2018
CLAS Interdisciplinary Council Member, 2015-2018
CLAS STEAM Consortium Advisory Board Member, 2017-2018
Master of Integrated Science (MIS) Program Advisory Board Member, 2013-2014
Search committee member, Tenure-track position, Mathematical & Statistical Sciences, 2009
CLAS Math and Science Learning in Education, Signature Area, 2007-2009
Graduate faculty in STEM education, SEHD, 2007-2013
Site Professor, Westview Elementary, Adams 12 district, SEHD, 2007-2009

UNIVERSITY

Workshop Presenter, *YOU BELONG HERE* Symposium, CU Denver, 2025
Digital Storytelling Project Consultant, Renee Crown Wellness Institute, CU Boulder, 2025
Grant Reviewer, Center for Excellence in Teaching & Learning, 2023-24
BIPOC digital storytelling workshop, Office of Diversity Equity & Inclusion, 2022
Educational Policy & Planning Committee (EPPC), 2020-2023
Faculty mentor, Faculty Mentoring Program, 2020
New faculty orientation, Center for Faculty Development, 2019
Ethnic & Minority Affairs Committee (EMAC), 2017-2018
CU Student Sustainability Club (Faculty Advisor and Sponsor), 2015-2018
Co-organized Lesbian, Gay, Bisexual, Transgender, Queer (LGBTQ+) symposium, 2013
Lesbian, Gay, Bisexual, Transgender, Queer Committee (LGBTQ+), 2011-2014

COMMUNITY

Project Voyce Academy Summit Workshop, Denver CO, 2019
Colorado Alliance for Environmental Education (CAEE) conferences at CU Denver, 2016-2018
Sustainability Day, K-12 Outreach, Denver CO, 2018
Colorado Foundation for Agriculture Summer Institute, Wheat Ridge, CO, 2016
US Science & Engineering Festival, Washington DC, 2014
Denver Green School, Denver Public School (DPS) Advisory Board member, 2013
Colorado Environmental Education Leadership Council, 2013

PROFESSION

Panel reviewer, Ministry of Education Singapore, Social Science Research Group, 2023
Viewpoints and Social Media co-editor, *Children's Geographies*, 2020-22
Ad-hoc reviewer, U.S. National Science Foundation, 2021
Chair of paper session, Cultural Tensions, National Association for Research in Science Teaching, 2014
Chair of paper session, Visual Methods, American Association of Geographers, 2011
Chair of paper session, Education Research, American Association of Geographers, 2006

Journal Reviewer

Journal of Geography in Higher Education, Journal of Research in Geographic Education, Children's Geographies, Anthropocene, Cultural Studies of Science Education, International Journal of Science Education, Emotion Space & Society, Annals of the American Association of Geographers, Cartography & Geographic Information Science, The Professional Geographer, The Geography Teacher, Urban Geography

Membership in Professional Organizations

American Association of Geographers (AAG), National Council for Geographical Education (NCGE), North American Association for Environmental Education (NAAEE)

AWARDS, HONORS & FELLOWSHIPS

RESEARCH

Digital Fellowship, National Libraries Board, Singapore, 2022-23
Meek Award for Outstanding Digital Narrative, University of Central Florida Foundation, 2019
Distinguished Faculty Lectureship (shortlisted), CU Denver, 2019
Excellence in Enhancing Diversity and Inclusion in Research, CU Denver, 2017
Creative Research Collaborative Fellowship, CU Denver, 2016
Postdoctoral Fellowship, Stockholm University, Sweden, 2014-15
Environment Forum Scholar, The Aspen Institute & National Geographic, 2009
Jane and Michael Wilson Award for Outstanding Dissertation, Purdue University, 2007
Bilsland Dissertation Fellowship, Purdue University, 2006

TEACHING

Faculty Fellowship, Center for Excellence in Teaching & Learning, CU Denver, 2023-24
Graduate Mentoring Award, Graduate School, CU Denver, 2022
Outstanding Environmental Educator Award, Colorado Alliance for Environmental Education, 2016
Excellence in Teaching, Campus Award, CU Denver, 2013
Excellence in Teaching, College Award, College of Liberal Arts & Sciences, 2013

SERVICE

Faculty Recognition Award (LGBTQ+ symposium), CU Denver, 2014