Nicolette L. Cagle, Ph.D.

EDUCATION

Doctor of Philosophy, May 2008

University Program in Ecology, Duke University, Durham, NC

Dissertation: Multi-scale snake species-habitat relationships and conservation

Concentration: Conservation biology emphasizing landscape ecology and multivariate statistics

Special Programs: Preparing Future Faculty Program 2007-2008

Selected Honors: National Science Foundation Graduate Research Fellowship

Bachelor of Science, summa cum laude, August 1999 - May 2002

Environmental Science & Natural Resources, University of Illinois, Urbana, IL

Special Programs: Environmental Fellows Program, Campus Honors Program

Selected Honors: J. B. Turner Scholar 1999-2002, James Scholar 1999-2002, Morris K. Udall Scholarship 2001

Master Naturalist, Montana Museum of Natural History, Missoula, MT	2022
CQ Certified Facilitator, Cultural Intelligence Center, Grand Rapids, MI	2022
American Genealogical Studies Certificate, National Genealogical Society, Falls Church, VA	2021
Trained Facilitator of Entering Mentoring, CIMER & WISCIENCE, Madison, WI	2020
Playful Pedagogy Certificate Program, North Carolina Zoo, Asheville, NC	2018
Cambridge Certificate in English Language Teaching to Adults (CELTA), Teaching House D.C.	2018
Kamana I Naturalist Certificate, Wilderness Awareness School, Duvall, WA	2016
Certified Interpretive Trainer, National Association for Interpretation, Fort Collins, CO	2013
Certified Interpretive Guide, National Association for Interpretation, Fort Collins, CO	2012
Native Plant Studies Certificate, North Carolina Botanical Garden, Chapel Hill, NC	2012
Environmental Education Certificate, Raleigh, North Carolina	2007
Tropical Herpetology Course, La Suerte, Costa Rica & Ometepe, Nicaragua	2001
Spanish Language and Culture, Colegio de España in Salamanca, Spain	1997

PROFESSIONAL EXPERIENCE

Senior Lecturer, Nicholas School of the Environment, Duke University, Durham, NC	2021 to present
Associate Dean of Diversity, Equity, and Inclusion, Nicholas School, Duke University, Durham, NC	2021 to present
Director, NSOE Undergraduate Diversity, Equity, & Inclusion, Duke University, Durham, NC	2020 to 2021
Director, NSOE Communications Studio, Duke University, Durham, NC	2014 to 2021
Lecturer, Nicholas School of the Environment, Duke University, Durham, NC Graduate Courses: Dendrology, Forest Measurements, Environmental Education & Interpretation, Professional Writing (DEL), Professional Communications, Wildlife	2013 to 2021

Interpretation, Professional Writing (DEL), Professional Communications, Wildlife Surveys, Classic Environmental Literature (DEL), Contemporary Environmental Issues (DEL), Ornithology Group Independent Study (IS), Adult Environmental Education IS, Museum Education IS, Invasive Species IS

Undergraduate Courses: Into the Woods

Executive Education Courses: Writing for Environmental Professionals

Director, NSOE K-12 Diversity Pathway Programs, Duke University, Durham, NC	2017 to 2020
Director, Environmental Science Summer Program, Duke University, Durham, NC	2012 to present
Interim Project Manager, NAAEE & C&NN Collaborative Research Library, Durham, NC	2018
Lecturing Fellow, Thompson Writing Program, Duke University, Durham, NC	2011 to 2013
Instructor, Nicholas School of the Environment, Duke University, Durham, NC	2009 to 2013

Instructor, Nicholas School of the Environment, Duke University, Durham, NC Graduate Courses: Landscape Ecology, Fundamentals of Environmental Education,

Professional Writing (DEL), Classic Environmental Literature (DEL)

Writing Skills, Writing for Environmental Professionals Lecturing Fellow, Thompson Writing Program, Duke University, Durham, NC 2011 to 2013 *Undergraduate Courses*: Endangered Ecosystems of the Southeast, Woods to Words: Evaluating Nature Center Materials, European Environmentalism Plain Language Consultant and Workshop Facilitator, Durham, NC 2012 to 2013 Environmental Educator, Piedmont Wildlife Center, Durham, NC After-school Tutor, The Lerner School, Durham, NC 2006 to 2008 Teaching Assistant, Duke University, Durham, NC 2003 to 2008 Biology and English Teacher, United Planet, Dar-es-Salaam, Tanzania 2006 Environmental Educator Water Quality Monitor, AmeriCorps, Knoxville, TN 2002 to 2003 1999 to 2001 Research Assistant, University of Illinois – Urbana Projects: pollution and lichen morphology in northern Indiana, frog pigmentation in Costa Rica & Nicaragua, National Geographic boa constrictor study, germination of rare prairie forb, caddisfly diversity and water quality Restoration Ecology Assistant, Chicago Botanic Garden, Glencoe, IL 2000 Naturalist|Environmental Educator, The Grove National Historic Landmark, Glenview, IL 1996 to 2000 ADDITIONAL TRAINING IN DIVERSITY, EQUITY, & INCLUSION Decolonizing Ecology - 5 Shifts Workshop with M. Katti, Duke University, Durham NC 2022 Disrupting Whiteness/Decision Support Tools, FAN Institute on Inquiry, Equity, and Leadership 2022 The Crucial Link Between EQ and CQ, Cultural Intelligence Center – UK, online workshop 2022 Cultural Intelligence (CQ) and Leadership, Cultural Intelligence Center – UK, online workshop 2022 Effectively Communicating Equity & Diversity Topics with Your Unit, Duke University 2022 Faculty Mentor Workshop Series, Maria Wisdom – Faculty Advancement, Duke University (2 sessions) 2022 Exploring Unconscious Bias with Verna Myers, online 2022 Fair and Effective Interviewing for Diversity & Inclusion with Verna Myers, online 2022 Churn: Life in the Increasingly Diverse World of Higher Ed, Faculty Advancement Network, Univ. of Chicago 2022 Equity in Action: Leading from Where You Are, Duke University & Durham Tech 2021 Latino/a/x Challenges Toward Racial Justice, Racial Equity Institute, online workshop (14hrs) 2021 Promoting Professionalism and Peer Communication in the Workplace, Duke University, Durham NC 2021 Equitable Hiring Practices, Duke University, Durham, NC 2021 Crucial Conversations Short Course, Duke University, Durham, NC 2021 Improving Departmental Climate, Duke University, Durham, NC 2021 Cultural Interpretation, Triangle Land Conservancy & NC Historic Sites, Durham, NC 2021 Teaching for Equity Fellowship, Duke University, Durham, NC 2020 - 2021 Dismantling Racism at Duke: Faculty Curriculum for Spring 2021, Duke University, Durham NC 2021 Application of Cultural Intelligence to Organizational Wellness, Angela Richard-Eaglin, Duke University. 2020 Resiliency with a Multicultural Lens Training (16 hrs), The Resiliency Solution, Chapel Hill NC 2020 undocAlly training, Duke University, Durham NC 2020 Centered in Blackness: Designing Contemplative Spaces for Black People, ACMHE, online 2020 From Bystander to Upstander, Duke University, Durham, NC 2019 Racial Equity Learning Arc, The Equity Paradigm, Durham NC 2019 Recognizing and Responding to Unwelcome and Disruptive Conduct, Duke University, Durham, NC 2019 NAI Culturally Sensitive Interpretation, NAI, Ft. Collins, CO 2019 Striving for Research Mentoring Excellence: Ethics & Inclusion, Duke University, Durham, NC 2019 Supporting Students from Different Cultural and Linguistic Backgrounds, Duke University, Durham, NC 2019

Undergraduate Courses: Food & Energy

Executive Education Courses: Nuclear Regulatory Commission Custom Course -

EENC & CDE Environmental Diversity, Equity, & Inclusion, NC Museum of Natural Sciences, Raleigh NC	2018		
Generational Differences & How They Can Impact the Work & Market Place, Duke University, Durham, NC			
Cambridge CELTA, CELTA Teaching House, Washington DC	2018		
Racial Equity Institute Training (I & II), Durham NC	2018		
Implicit Bias Training, Duke University, Durham NC	2017		
Trans 101 Training, Duke University, Durham NC	2017		
Showcasing Diversity in Environmental Professions, NSOE, Duke University, Durham NC	2017		
Inclusive Teaching Workshop, CIT, Duke University, Durham NC	2017		
Leadership in Diversity, Equity, and Inclusion in Higher Education, Coursera, Univ. of Michigan	2017		
Rising TIDE Gender Bias in the Workplace, NSOE, Duke University, Durham NC	2017		
DukeEngage Faculty Fellow Training, Duke Engage, Duke University, Durham NC	2015		
Rising TIDE I, NSOE, Duke University, Durham NC	2015		
The Occaneechi-Saponi & Their Predecessors, Burlington. NC	2013		
Best Practices & ESL Students, Thompson Writing Program, Duke University, Durham NC	2011		
Citizenship & Human Diversity Training, AmeriCorps, Knoxville, TN	2002		
SELECTED AWARDS, HONORS, & FELLOWSHIPS			
Ivy+ Provost Leadership Fellow, Faculty Advancement Network	2022		
Nominated for the Lynn Maguire Award for Excellence in Teaching and Mentoring of Professional Students	2022		
Selected as a Duke University Career Influencer, Duke University	2022		

Environmental Fellows Program	2000 to 2002
University of Illinois Chancellor's Scholar - Campus Honors Program	1999 to 2002
University of Illinois James Scholar	1999 to 2002
University of Illinois Jonathon Baldwin Turner Scholar	1999 to 2002
Gamma Sigma Delta Collegiate Honor Society	2001
Golden Key Collegiate Honor Society	2001
National Society of Collegiate Scholars	2001
Alpha Lambda Delta Collegiate Honor Society	2001
Xi Sigma Pi Honor Society	2001
University of Illinois Mothers Association Book Award	2000
GRANTS	
Justice at the School of the Environment, Duke University Faculty Advancement Seed Grant, \$15,000	2021
STEM Corps, Duke University Office of Faculty Advancement Seed Grant, \$18,000	2021
The Burt's Bees Foundation Grant for Diversity & Equity in Environmental Programs, \$1,900	2020
The Durham Environmental Committee Grant for Diversity & Equity in Environmental Programs, \$1,900	2020
NSF Collaborative Research Grant (subaward), \$29,817	2019
American Association of University Women (AAUW) Grant (for GALS program, Faculty Sponsor), \$6,990	2018
The North Face Explore Fund (for GALS program, Faculty Sponsor), \$15,000	2017
Duke D-SIGN Grant (for GALS program, Faculty Sponsor), \$14,153	2017
Burroughs Wellcome Fund Student Science Enrichment Program, \$74,950	2015
Thompson Writing Program Research Grant, Duke University, \$2,500	2013
Thompson Writing Program Research Grant, Duke University, \$2,500	2012
Duke University Center for Instructional Technology Stipend \$1,000	2012
Duke University Service Learning Program Course Enhancement Grant, \$750	2011
Duke University and Nicholas School Conference Travel Fellowships, \$1,600	2007
NASA-MSU Professional Enhancement Award, \$500	2007
National Science Foundation Graduate Research Fellowship, \$90,000	2005
Prairie Biotic, Inc. Prairie Research Grant, \$1,000	2004
Illinois Environmental Council Research Experience Grant, \$2,000	2001
University of Illinois Campus Honors Program Travel Grant, \$1,000	2001
University of Illinois College of ACES Travel Grant, \$800	2001

PUBLICATIONS

- Cagle, N. L. 2023. *Saving Snakes: Snakes and the Evolution of a Field Naturalist*. Charlottesville VA: University of Virginia Press. 222pp ISBN: 9780813948829
- Somerville, S. and **Cagle, N. L.** (submitted). A trait-based analysis of vulnerability of bats from climate change in the United States. *Global Change Biology*.
- Noah, P., Cagle, N. L., Westbrook, J., and S. Fitzsimmons. 2021. Identifying resilient restoration targets: mapping and forecasting habitat suitability for *Castanea dentata* in Eastern USA under different climate-change scenarios. *Climate*

- Change Ecology. https://doi.org/10.1016/j.ecochg.2021.100037
- Caldwell, L., Cagle, N. L., Evans, M., Jang, J. Bubb, I. and Horton S. 2021. <u>Characteristics of non-formal K-12 pathway</u> programs aiming to enhance diversity in Environmental Science. *Journal of STEM Education* 22(1): 14-20.
- Elmore, J. [et al. including **Cagle**, **N. L.**]. 2020. Correlates of bird collisions with buildings across three North American countries. Conservation Biology 35(2): 654-665. https://doi.org/10.1111/cobi.13569.
- Miao, E. and Cagle. N. L. 2020. The role of gender, race, and ethnicity in environmental identity development in undergraduate student narratives. *Environmental Education Research* https://doi.org/10.1080/13504622.2020.1717449
- Cagle, N. L. 2019. Interpretation for diversity and inclusion. Legacy 30(4): 25-27.
- Cagle, N. L., Caldwell, L., and Garcia, R. 2018. <u>K-12 diversity pathway programs in the E-STEM fields: A review of existing programs and summary of unmet needs.</u> *Journal of STEM Education* 19 (4):12-18.
- Winton, R. S., Ocampo- Peñuela, N., and **Cagle, N. L.** 2018. Geo-referencing bird-window collisions for targeted mitigation. *Peer J* 6:e4215 https://doi.org/10.7717/peerj.4215
- Hager, S. B., Consentino, B. J. [et al. including Cagle, N. L.]. 2017. Continent-wide analysis of how urbanization affects bird-window collision mortality in North America. *Biological Conservation* 212: 209-215. https://doi.org/10.1016/j.biocon.2017.06.014
- Wittig, T. W., Cagle, N. L., Ocampo- Peñuela, N., Winton, R. S., Zambello, E., and Lichtneger, Z. 2017. Species traits and local abundances affect bird-window collision frequency. *Avian Conservation and Ecology* 12(1): 17 https://doi.org/10.5751/ACE-01014-120117
- Cagle, N. L. 2017. Changes in experiences with nature through the lives of environmentally committed university faculty. Environmental Education Research 24(6): 889-898. https://doi.org/10.1080/13504622.2017.1342116
- **Cagle, N. L.** 2017. Science classrooms as a gateway to comprehensive pedagogy. *The Journal of College Science Teaching*. 46(3): 8-9.
- Hudson, L. N., Newbold, T., Contu, S., Purvis, A. [et al. including **Cagle, N. L**.]. 2016. The database of the PREDICTS (Projecting Responses of Ecological Diversity in Changing Terrestrial Systems) project. *Ecology and Evolution*. 7(1): 1-44. https://doi.org/10.1002/ece3.2579
- Cagle, N. L. 2016. "Brake for Snakes." *Voices for Biodiversity*. Web 16 May 2016. Available at http://voicesforbiodiversity.org/articles/brake-for-snakes
- Ocampo-Peñuela, N., Winton, R. S., Wu, C. J., Zambello, E., Wittig, T. W., and Cagle, N. L. 2016. Patterns of birdwindow collisions inform mitigation on a university campus. *PeerJ* 4:e1652 https://doi.org/10.7717/peerj.1652
- Cagle, N. L. 2015. <u>John Madson's Where the Sky Began: Land of the Tallgrass Prairie</u>. The Journal of Natural History Education and Experience 9: 13-14.
- Cagle, N. L. 2013. Evaluating the written materials and use of outside texts in nature centers for environmental education. Applied Environmental Education and Communication Research 12(2): 108-117. http://dx.doi.org/10.1080/1533015X.2013.820635
- Cagle, N. L. 2012. Naturalists as Environmental Leaders: Bringing Natural History from the Past and into the Future pp. 83-94 in Gallagher, D. (ed.) *Environmental Leadership: A Reference Manual*. Thousand Oaks, CA: SAGE Publications.
- Cagle, N. L. 2008. <u>Snake species distributions and temperate grasslands: a case study from the American tallgrass prairie</u>. *Biological Conservation* 141:744-755.
- Cagle, N. L. 2006. Where have all the snakes gone? Goose Lake Prairie Partner's Own Newsletter. April 2006.
- Cagle, N. L. 2005. Snakes alive! Goose Lake Prairie Partner's Own Newsletter. October 2005.
- Flocca, N. L. (maiden name), Coons, J. M., Owen, H. R., Fischer, B. J., and Edgin, B. E. 2004. Germination of Silene regia and Saponaria officinalis following stratification or scarification. *Erigenia*. 20: 8 14.
- DeWalt, R. E. and **Flocca**, **N. L.** (maiden name) 2000. Caddisfly diversity, abundance, and larval growth in Split Rock Brook of Pecumsaugan Creek and Blackball Mine State Nature. *Illinois Natural History Survey Technical Report*.

- Cagle, N. L. (moderator) with Malinowski, M., Shapiro Garza, E., and Valnes Quammen, S. Perspectives in Decolonizing Research, Duke Global, Duke University, November 10, 2022.
- Cagle, N. L. (moderator) with K. Hoffman, McAdoo, B. and Mullin, M. Incorporating Environmental Justice Topics and Themes into Teaching Practice, Nicholas School of the Environment, Duke University, November 3, 2022.
- Cagle, N. L. and co-facilitators. Diversity & Equity in Environmental Programs (DEEP)/ Durham Environmental Coalition (DEC) Workshop Series on Race, Power, & Privilege. Forest History Society, Durham NC, September December, 2022.
- Cagle, N. L. Climate Coordinator Search Committee Inclusive Search Practices Training, Duke University, October 4, 2022
- Cagle, N. L. and co-facilitators. Human Difference in Scholarship RCR Forum, Duke University, Durham NC September 22, 2022.
- Cagle, N. L. How to Talk to Kids about Climate Change. Southwest Regional Library, Durham Public Library System, Durham NC, September 21, 2022.
- Cagle, N. L. Culturally Inclusive Mentoring, Bass Connections, Duke University, Durham NC, September 19 & 26, 2022.
- Cagle, N. L. Herpetology in the Duke Forest, WildOnes, Duke University, Durham NC, September 16, 2022.
- Cagle, N. L. Cultural Competency and Humility, Nicholas School of the Environment, Duke University, Durham NC, August 25, 2022.
- Cagle, N. L. Tree Canopy in Durham: A Case Study of Climate Justice. Pastoral Care for Climate: Weaving Science & Theology for Justice, Center for Sustainable Climate Solutions, Creation Justice Ministries, and Duke University Nicholas School of the Environment, Beaufort, North Carolina 14 Jun 2022.
- Cagle, N. L. Culturally Inclusive Mentoring in Laboratory Environments, Duke University Superfund Research Center, Duke University + North Carolina Central University, 12 May 2022.
- Cagle, N. L. Duke Forest Herpetofauna Community Science Program, 2022 North Carolina Congress of Herpetology, NC Partners in Amphibian and Reptile Conservation (NCPARC) and the North Carolina Herpetological Society, 8 May 2022.
- Cagle, N. L. Duke Forest Flora and Fauna Walk. Friends of Duke Forest, 9 Apr 2022.
- Cagle, N. L. How We Connect to Nature. North Carolina Native Plant Society, 6 Apr 2022.
- Cagle, N. L. Spring Ephemeral Workshop. Duke Student Chapter of the Society of Ecological Restoration, Duke Forest, 25 Mar 2022.
- Cagle, N. L. Frog Night Hike. City of Durham Creek Week, Sandy Creek County Park, 18 Mar 2022.
- Cagle, N. L. Meetings: Fostering Inclusivity and Collaboration. Oceans@Duke, Duke University, Online Workshop, 2 Feb 2022.
- Cagle, N. L. Land Acknowledgements Workshop. Nicholas School of the Environment, Duke University, Online Workshop, 28 Jan 2022.
- Cagle, N. L. Culturally Inclusive Syllabus Workshops. Nicholas School of the Environment, Duke University, Online Workshop, 14 Jan 2022.
- Cagle, N. L. Handling Uncomfortable Moments in the Classrooms: From Microaggressions to Student Resistance. Nicholas School of the Environment, Duke University, Online Workshop, 12 Jan 2022.
- Cagle, N. L. Culturally Inclusive Pedagogy for TAs and Graduate Student Instructors. Nicholas School of the Environment, Duke University, Online Workshop, 5 Jan 2022.
- Cagle, N. L. Land Acknowledgements: A Critical Analysis Workshop. Diversity and Equity in Environmental Programs Collaborative, Durham, NC, 15 Nov 2021.
- Cagle, N. L. Diversity, Inclusion, and Equity at the Nicholas School of the Environment. Graduate and Professional Student Government, Duke University, 29 Oct 2021.
- Cagle, N. L. Handling Uncomfortable Moments in the Classroom. Nicholas School of the Environment, Duke

- University, Online Workshop, 24 Sep 2021.
- Cagle, N. L. Culturally Inclusive Communication in the Workplace for DEL-MEMs. Nicholas School of the Environment, Duke University, Online Workshop, 2 May 2021.
- Cagle, N. L. & other panelists. Triangle SciSummit, Triangle Learning Network NC, Museum of Life and Science and Durham Public School's Science Alliance, 28 Apr 2021.
- Cagle, N. L. & L. Shapiro-Garza. Environmental Justice at the Nicholas School of the Environment: An Exploration and Visit, Nicholas School of the Environment Board of Visitors, Duke University, 23 Apr 2021.
- Cagle, N. L. & P. James. Racial Equity and Environment 4 part workshop series. DEEP Collaborative & Durham Environmental Coalition, Online Workshops, 19 Jan to 2 March 2021.
- Cagle, N. L. Mentoring for Inclusivity. BioSTEM and DUML Scholars, Duke University, Online Workshop, 9 Mar 2021.
- Cagle, N. L. Handling Uncomfortable Moments in the Classroom. NCSOE, Duke University, Online Workshop, 9 Feb 2021.
- Cagle, N. L. Culturally Inclusive Pedagogy. Biology Department, Duke University, Online Workshop, 1-2 Dec 2020.
- Cagle, N. L. Environmental Justice Initiatives in Durham-Chapel Hill Community. Trinity College House Course, Duke University, 10 Nov 2020.
- Cagle, N. L. Culturally Inclusive Pedagogy with the Diversity, Equity, & Inclusion Foundational Training Series. Department of Population Health Studies, Duke University School of Medicine, Online Workshop, 5 Nov 2020.
- Cagle, N. L. Environmental Education Careers and Resources. ECOE, Nicholas School of the Environment, Duke University, Online, 22 Oct 2020.
- Cagle, N. L. Discussion & Q&A on Culturally Inclusive Communication in the Workplace. Nicholas School of the Environment, Duke University, Online Workshop, 15 Oct 2020.
- Cagle, N. L. Culturally Inclusive Communication in the Workplace. Nicholas School of the Environment, Duke University, Online Workshop, 17 Sep 2020.
- Cagle, N. L. Culturally Inclusive Pedagogy. Global Health Faculty, Duke University, Online Workshop, 11 Sep 2020.
- Cagle, N. L. Culturally Inclusive Pedagogy for Teaching Assistants and Graduate Student Instructors. Nicholas School of the Environment, Duke University, Online Workshop, 12 Aug 2020.
- Cagle, N. L. Culturally Inclusive Pedagogy for Natural Scientists. Nicholas School of the Environment, Duke University, Online Workshop, 6 Aug 2020.
- Cagle, N. L. Culturally Inclusive Pedagogy. Nicholas School of the Environment, Duke University, Online Workshop, 29 & 31 Jul 2020.
- Miao, R. (presenter) and Cagle, N. L (co-author). The role of gender, race, and ethnicity in environmental identity development in undergraduate student narratives. North American Congress for Conservation Biology, Society for Conservation Biology, Online, 28 July 2020.
- Cagle, N. L. and Hadley, L. Culturally Inclusive Pedagogy and "Tree Racism" in Durham. Durham Public Schools (DPS), Durham, NC. 12 Nov 2019
- Cagle, N. L. and Stevenson, K. National Association for Interpretation Certified Interpretive Guide Workshop, Blue Jay Point Nature Center, Raleigh, NC. 20-23 May 2019.
- Cagle, N. L. Beavers Creek Week. Sandy Creek Park, Sierra Club, Durham, NC. 21 Mar 2019.
- Cagle, N. L. Frog Night Creek Week. Sandy Creek Park, Sierra Club, Durham, NC. 19 Mar 2019. Cagle, N. L. Winter Trees. Sarah P. Duke Gardens, Durham NC. 25 Jan 2019.
- Cagle, N. L. Engaging Educators career Series Environmental and Outdoor Education. Duke Program in Education, Duke University, Durham NC. 22 Dec 2018.
- Cagle, N. L. Succession and Environmental Careers. Durham School of the Arts, Durham NC. Oct 2018.

- Cagle, N. L (co-organizer). MPE 2013+ Workshop: IT'S NOT EASY BEING GREEN: Employing Citizen Science to Map Reptile and Amphibian Distributions. Groton School, Groton, MA. 17-19 Jun 2018.
- Cagle, N. L. Spring songs and mating of Anurans. Sandy Creek Park, Sierra Club, Durham, NC. 20 Apr 2018.
- Cagle, N. L. Diversity & Equity in Environmental Programs (DEEP) Community Case Study Workshop. North Carolina Museum of Life and Science, Durham, NC. 19 April 2018.
- Cagle, N. L. GALS Science Career Day. Girls of Adventure for Leadership in Science, Durham, NC. 4 Apr 2018.
- Cagle, N. L. Diversity & Equity in Environmental Programs (DEEP) Community Workshop. North Carolina Museum of Life and Science, Durham, NC. 21 Feb 2018.
- Cagle, N. L. Reptiles. Montessori Community School, Durham, NC. 5 Dec 2017.
- Cagle, N. L. Diversity & Equity in Environmental Programs (DEEP) Community Meeting. Duke University, Durham, NC. 17 Nov 2017.
- Cagle, N. L. Stream Water Quality in Durham NC. Durham Technical Community College, Durham, NC. 5 Nov 2017.
- Cagle, N. L. Shepherd Nature Trail & Sustainability. Duke Forest, Durham, NC. 16 May 2017.
- Cagle, N. L. Bison Buddies Guided Nature Hike, National Park Trust, Eno River State Park, Durham, NC. 22 Apr 2017.
- Cagle, N. L. Shepherd Nature Trail Grand Opening Guided Tour. Duke Forest, Durham, NC. 15 Apr 2017.
- Cagle, N. L. Snake Ecology & Conservation in Illinois. Herpetology Course, Duke University, Durham, NC. 14 Apr 2017.
- Cagle, N. L. Environmental Science: Learning & Doing for Harlem-LaCrosse, Duke University, Durham, NC. 12 Apr 2017.
- Cagle, N. L. Meet an Ecologist. E.K. Powe Elementary School, Durham, NC. 3 Apr 2017.
- Cagle, N. L. Professional Environmental Writing Workshop. Duke University Marine Lab, Beaufort, NC. 27 Mar 2017.
- Cagle, N. L. Spring songs and mating of Anurans. Sandy Creek Park, Sierra Club, Durham, NC. 20 Mar 2017.
- Cagle, N. L. Enlivenment Series: Epoche and Enlivenment. The Center for Education, Imagination, and the Natural World, Greensboro, NC. 19 February 2017.
- Cagle, N. L. Les Arbres. Apex High School, Apex, NC. 1 February 2017.
- Cagle, N. L. Snakes, deer, and birds, Oh my! Citizen Science at Duke University. Citizen Science Symposium, Durham, NC. April 16, 2016.
- Cagle, N. L. Frog Biodiversity and Global Trade. Disappearing Frogs Project, Museum of Life and Science, Durham, NC. March 17, 2016.
- Cagle, N. L. Migrant Birds in Spanish and English. Ellerbe Creek Watershed Association, Durham, NC. March 12, 2016.
- Cagle, N. L. Duke Forest Ecology for the Sanderson High School Academy of Finance, Duke University, Durham, NC. December 16, 2015.
- Cagle, N. L. The Intimate Lives of Trees and Butterflies. 1st Annual Monarch Festival, Sandy Creek County Park, Durham, NC. October 10, 2015.
- Cagle, N. L. Memo Writing. Megatrends, Nicholas School of the Environment, Duke University. September 1, 2015.
- Cagle, N. L. and Childs, S. D. Spring hike through the Duke Forest. Duke University, Durham, NC. April 4, 2015.
- Cagle, N. L. Integrative teaching: Exploring a holistic approach to education. Duke Service Learning, Duke University, Durham, NC. April 7, 2015.
- Cagle, N. L. Migrant Birds in Spanish and English. Ellerbe Creek Watershed Association, Durham, NC. March 14, 2015.
- Cagle, N. L. Spring songs and mating of Anurans at Sandy Creek County Park. Friends of Sandy Creek County Park, Durham, NC. March 14, 2014 and March 26, 2015.
- Cagle, N. L. Bridging the Gap: Environmental Science Outreach in Durham. DEL Executive Leadership Institute, Duke University, Durham, NC. January 16, 2014.
- Cagle, N. L. Grant Writing. North Carolina Science Leadership Association, Chapel Hill, NC. September 28, 2013.
- Cagle, N. L. Planning Daily Classroom Activities. Fellows Training, Thompson Writing Program, Duke University,

Durham, NC. August 13, 2013.

- Cagle, N. L. Teaching to Different Learning Styles. Certified Interpretive Trainer Workshop, National Association for Interpretation, Bellevue, Nebraska. November 2012.
- Cagle, N. L. Writing skills: Making our writing clear, concise, and compelling. DEL-NRC Course, Nuclear Regulatory Commission, Bethesda, Maryland. July 30, 2012.
- Cagle, N. L. Duke University Natural History Experiential Hike. North American Association for Environmental Education, Raleigh, North Carolina. October 11, 2011.
- Cagle, N. L. A Multiscale Analysis of Snake Species-Habitat Relationships in the Tallgrass Prairie. Joint Meeting of Ichthyologists and Herpetologists, St. Louis, Missouri. July 2007.
- Cagle, N. L. Where have all the snakes gone? A landscape-level analysis of snake species distributions in the tallgrass prairie at the North Carolina Herpetology Society Spring Meeting, Grandfather Mountain, North Carolina. May 12, 2007.
- Cagle, N. L. Habitat classification and conservation practice: matching ecological and statistical models. NASA-MSU Symposium at the U.S. Regional Association of the International Association for Landscape Ecology, Tuscon, Arizona. April 10, 2007.
- Cagle, N. L. The future of prairie snakes: diversity and survival. University of St. Francis, 1st Midewin National Tallgrass Prairie Symposium: 10 years of progress in restoration and research at Midewin, Joliet, Illinois. August 24, 2006.
- Cagle, N. L. Snakes of North Carolina. Duke University, Duke Osher Institute for Lifelong Learning, Topics in Environmental Sciences, Durham, North Carolina. February 2006.
- Cagle, N. L. Gardening with native plants: the importance of native plants in urban landscapes. Duke University, Nicholas School of the Environment Environmental Workshop, Durham, North Carolina. April 11, 2005.
- Cagle, N. L. Snakes: History, Attitudes, and Conservation. Boy Scout Troop 412, Trinity Avenue Presbyterian Church, Durham, North Carolina. March 14, 2005.
- Cagle, N. L. and South Doyle High School students. Results of stream chemistry and macroinvertebrate inventory for Stock Creek. Stock Creek Watershed town meeting, Knoxville, Tennessee. April 8, 2003.
- Flocca, N. L. (maiden name) and R. E. DeWalt. Caddisfly diversity, abundance, and larval growth in Split Rock Brook of Pecumsaugan Creek and Blackball Mine State Nature Preserve. University of Illinois, Environmental Horizons Conference, Urbana, Illinois. April 1 and 2, 2002.

PROFESSIONAL SERVICE

External Reviewer for Promotion Package, George Institute of Technology, Atlanta, GA	2022 to 2022
Office of Institutional Equity, DEI Director Search Committee, Duke Univ., Durham, NC	2022 to 2022
Duke Racial Equity Advisory Council Education Sub-Committee, Duke University, Durham NO	C 2021 to present
Campus Sustainability Committee, Duke University, Durham NC	2021 to present
Judge for Theodore C. Blegen Award, Forest History Society, Durham, NC	2021 to present
Committee on Strategic Educational Programs at NSOE, Duke University, Durham, NC	2020 to 2021
Unearthing Duke Forest Working Group, Duke University, Durham, NC	2020 to present
Environmental Justice Campus Committee Faculty Advisor, Duke University, Durham, NC	2020 to present
Merit Scholar Faculty Fellow, Duke University, Durham, NC	2020 to 2021
NSOE D&I Actionators, Duke University, Durham, NC	2020 to present
Faculty Advisor, ELEMENT (Elementary Environmental Mentoring Program), Duke University	2019 to present
Forest History Society Board, Nicholas School Representative, Durham, NC	2019 to present
NSOE Environmental Justice Curriculum Ad Hoc Committee	2019 to 2021
Faculty Advisor, DICE, Duke University, Durham, NC	2019 to present
Duke Forest Development Sub-Committee, Duke University, Durham, NC	2018 to present

Faculty Diversity & Inclusion Advisory Committee, Duke University, Durham, NC	2018 to 2021
Faculty Advisor, Wild Ones, Duke University, Durham, NC	2016 to present
Faculty Advisor, Duke Sustainability Board, Duke University, Durham, NC	2015 to present
Faculty Advisor, Green Roof and Orchard Workforce, Duke University, Durham, NC	2015 to 2021
Duke Forest Advisory Committee, Duke University, Durham, NC	2014 to present
Faculty Advisor, NicNats, Duke University, Durham, NC	2013 to present
NSOE NTT-RR Faculty Guidelines Ad Hoc Committee	2018 to 2020
Faculty Fellow DukeEngage Thailand, Duke University, Durham, NC	2015 to 2019
Committee Member, Governor's School Selection Committee, Durham Public Schools, NC	2016 to 2017
Faculty Advisor, Campus Keepers, Duke University, Durham, NC	2016 to 2017
CIT Visit a Classroom Program, Duke University, Durham, NC	2016 to 2017
Faculty Reader, Department of Biology, Duke University, Durham, NC	2015 to 2016
North Carolina Wildlife Road Crossings Working Group, Wildlands Network, Durham NC	2015 to 2017
Shepherd Nature Trail Sign Creation, Duke Forest, Durham NC	2015 to 2017
Ad Hoc Stewardship Advisory Committee, Duke University, Durham, NC	2015 to 2017
Faculty Reviewer DukeEngage Independent Projects, Duke University, Durham, NC	2015 to 2017
Natural Resource Subcommittee Faculty Representative, Duke University, Durham, NC	2014 to 2017
Independent Study Advisor (undergraduate), Duke University, Durham, NC	2014 to 2016
National Science Teachers Association Book Reviewer, NSTA, Arlington, VA	2014 to 2018
Awards Committee Chair, North Carolina Science Leadership Association, NC	2014 to 2017
Robertson Scholar Exploration Project Mentor, Duke University, Durham, NC	2014 to 2017
Group MP Committee, Duke University, Durham, NC	2014 to 2016
Graduation with Distinction Advisor, Duke University, Durham, NC	2014 to 2015
Director of 1st Year Writing GSIs, TWP, Duke University, Durham, NC	2013
Search Committee, Thompson Writing Program, Duke University, Durham, NC	2012 to 2013
Graduate Student Instructor Mentor, TWP, Duke University, Durham, NC	2012 to 2013
Independent Study Mentor, DEL-MEM, Nicholas School, Duke University, Durham, NC	2012 to 2013
Faculty Mentor for DukeEngage, Duke University, Durham, NC	2011 to 2012
Speakers Committee, Thompson Writing Program, Duke University, Durham, NC	2011 to 2012
Assessment Committee, Thompson Writing Program, Duke University, Durham, NC	2011 to 2011
Expert Content Consultant: Popular Mechanics (2019)	

Professional Memberships: Society of American Foresters (2022 to present), The Wildlife Society (2021 to present), National Association for Interpreters (2012 - present), North Carolina Environmental Education Association (2004 - present), North Carolina Science Leadership Association (2012 - 2018), Triangle Society for Conservation Biology (2008 - 2010), North Carolina Herpetological Society (2004 – 2010, 2022 – Life Time Membership), Duke Natural History Society (2003 - 2010), American Association for the Advancement of Science (2008 – 2009), Chicago Herpetological Society (2003 – 2005), Society for the Study of Amphibians & Reptiles (2004 - 2008), American Society of Ichthyologists & Herpetologists (2003 - 2008)

Journal Referee: Acta Oecologia, Biological Conservation, Conservation Letters, Copeia, Environment, Development, and Sustainability, Environmental Education Research, Herpetological Journal, Journal of Applied Ecology, Journal of Herpetology, Wetlands, Wildlife Society Bulletin

COMMUNITY SERVICE

NCF - Envirothon Forestry & Wildlife Test Content Reviewer, Envirothon.org	2022
Henderson Cemetery Fundraising, Durham NC	2022
Girl Scout's Gold Award NC Coastal Pines Advisor, Durham NC	2020 to 2021
Content Review & Wildlife Surveys, North Carolina Museum of Life and Science, Durham, NC	2021 to 2022
Board of Directors, Triangle Land Conservancy, Durham, NC	2021 to present
HR & Governance Board, Triangle Land Conservancy, Durham, NC	2019 to present
Guide, Signage, & Monitoring Volunteer, Sandy Creek Park, Durham, NC	2014 to present
Volunteer & Natural History Writer, Ellerbe Creek Watershed Association, Durham, NC	2008 to 2020
Board of Directors, Our Wild Neighbors Rehabilitation Center, Hillsborough, NC	2017 to 2018
Turtle Tracking Volunteer, Piedmont Wildlife Center, Durham, NC	2014 to 2016
Independent Study Mentor, North Carolina Botanical Garden, Chapel Hill, NC	2010 to 2013
Board Member & Science Adviser, Schoolhouse of Wonder, Durham, NC	2008 to 2010
Invited Guest Lecturer and Mentor, NC School of Science and Math, Durham, NC	2007 to 2008
Sea Turtle Rehabilitator Volunteer, Hidden Harbor Hospital, Marathon, FL	2003
Animal Care Volunteer, Anita Purves Nature Center, Urbana, IL	1999 to 2001

RECENT MEDIA APPEARANCES & COVERAGE

Duke Today

Solliday, Amanda. Seven Tips for Talking to Children about Climate Change (September 27, 2022)

Stories@DukeDivinity

Ministry Leaders Gather at the Duke Marine Lab (August 11, 2022)

GoodCourse, London, UK

Hadaway, Kitty. EDI in Higher Ed (April 12, 2022)

Duke Research Blog

Cox, S. Vernal, Ephemeral, Spring Beauty by Any Other Name (April 5, 2022)

Cox, S. Do Snakes Have Tails? and Other Slithery Questions (September 28, 2022)

Duke Magazine

Among Trees, p46-53 (Winter 2020)

Duke's Biggest, Oldest Laboratory – Past, Present, & Future (August 2018)

Newspaper Coverage, IndyWeek, Durham NC

Durham Votes to Plant More Trees, Citing Racial Inequity (9 Dec 2020)

Available at: https://indyweek.com/news/durham/plant-trees-for-racial-equity/?fbclid=IwAR2hg_-FjypKEI2pWignXW1Fvq2BsXcCFBkXhXlzagwpAJ5DNKV Bgw1YD0

We Still Teach FOX 32 Chicago

Indigenous Peoples & Native/Non-Native Plant Lesson for K-12 Students (10 Oct 2020)

 $A vailable\ at:\ https://www.fox32chicago.com/video/859956?fbclid=IwAR3ZxslwbrIgxs0ciAKV0hazl_2uCtQN3LNy8Iu5-cX4ctWPMHVSxDqsWHo$

Duke Environment Magazine

- 90 Years of the Duke Forest Teaching & Research Laboratory, 22 Apr 2021 Available at: https://youtu.be/3Ec9ccu_g-U
- DEEP Insights into Diversity & Equity, 21 Apr 2021

- Nurturing 'Environmental Identity' is Key for Increasing Diversity in Environmental Fields (Apr 2020) Available at: https://nicholas.duke.edu/news/nurturing-environmental-identity-key-increasing-diversity-environmental-fields
- Inspiring the Next Generation (Mar 2019) Available at: https://nicholas.duke.edu/news/inspiring-next-generation
- Student-Led Study Inspires Action to Reduce Bird-Window Collisions (Feb 2016) Available at: https://nicholas.duke.edu/news/student-led-study-inspires-action-reduce-bird-window-collisions

Newspaper Coverage, Aiken Standard & Tuscaloosa News

ECOVIEWS: Oak trees in a row present ecological mystery (Whit Giboons, April 20, 2019)

Bridging the Gap

Environmental Justice and Eco-Experiences Part 1, April 22, 2021, Available at

https://www.dukechronicle.com/article/2021/04/duke-chronicle-bridging-the-gap-episode-3-environmental-justice-eco-experience-part-1

Hear at Duke Podcast

Demystifying Research at Duke (released Dec 2018)

Available at: https://soundcloud.com/hear-at-duke/demystifying-research-at-duke

Urban Wildlife Podcast

City Lights of Doom (on Bird Window Collisions) (released 2 May 2018)

Available at: http://www.urbanwildlifecast.com/?p=319

Collaboration + Good Coffee = Connected Science Learning Success

Coverage on course collaboration with local community organizations (published 15 May 2017)

Available at: http://csl.nsta.org/2017/05/good-coffee/

TV Interview, WRAL, Durham, NC

Research on bird-window collisions at Duke (aired 24 June 2015)

Newspaper Interview, The News & Observer (and affiliates), Raleigh, NC

Research on bird-window collisions at Duke (published 17 June 2015)

TV Interview, WNCN, Durham, NC

Research on bird-window collisions at Duke (aired 23 May 2015)

Newspaper Interview, The Chronicle (Duke), Durham, NC

Research on bird-window collisions at Duke (published 22 May 2015)

Radio Interview, WUNC The State of Things, Durham, NC

Ecology of the Ellerbe Creek Watershed (aired September 2014)

Radio Interview, Getting Dirty with Durham County Master Gardeners, Durham, NC

Soil ecology for gardeners (aired August 2014)

MASTER'S PROJECTS ADVISED

Carvalho, Juliana & Chase Benjamin. (in progress). Public- Facing Environmental Management and Amelioration of Urban Wetland Habitat at the North Carolina Museum of Life and Science. Duke University, Durham, North Carolina.

Kuczek, Aurora & White, Annabelle. (in progress). Endangered Salamander Mapping for the Save Our Springs Alliance. Duke University, Durham, North Carolina.

Fajardo, Marisa. (in progress). Spotted Salamanders and Biotic and Environmental Relationships in the Piedmont. Duke University, Durham, North Carolina.

Martens, Christine. (in progress). Examining Recreational Use of the Duke Forest. Duke University, Durham, North Carolina.

Sarveswaran, Sunitha. (in progress). *Climate Justice and De-Carbonization in New York City*. Duke University, Durham, North Carolina.

Smith, Cullen. (2022, co-advised with Joe Bachman). *An Examination of the Relationship between the Conservation Reserve Program and Stumpage Prices in the South.* Duke University, Durham, North Carolina.

Hayashi, Shouta and Horrigan, Eamon. (2022). *Quantifying Ecosystem Services in the Duke Forest*. Duke University, Durham, North Carolina.

- Toker, Rachel. (2022, co-advised with Joe Bachman). *Scaling Up Availability and Programing of Urban Nature Space as National Health Response.* Duke University, Durham, North Carolina.
- Zeng, Yingfan. (2022.) *Understanding Ecosystem Function in an Eastern Carolina Watershed*. Duke University, Durham, North Carolina.
- Dobes, Emily. (2022, co-advised with Stuart Pimm). *Predicting Red Wolf Habitat Suitability with Climate Change*. Duke University, Durham, North Carolina.
- Cherry, Jennifer. (2022). Marine Debris Impacts to Sea Turtle Species in Volusia County, Florida. Duke University, Durham, North Carolina.
- Somerville, Sam. (2022). Assessment of Trait-based Vulnerability of Bats from Climate Change in the United States. Duke University, Durham, North Carolina.
- Costes, Lydie. (2022). Reintroduction of Baptisia aberrans at Penny's Bend Nature Preserve. Duke University, Durham, North Carolina.
- Stefan Bugge, Connor Dupree-Sood, and Thaddeus Thomson. (2021). *Optimizing Ecological Services in Durham with Strategic Infrastructure Development*. Duke University, Durham, North Carolina.
- Perkins, Troi.(2021). *Understanding Effort and Outcomes of Bioblitzes in Southeastern Forests*. Duke University, Durham, North Carolina.
- Kendra Sultzer. (2021). Furthering the Development of Duke Forest's Wildlife Management and Connectivity Plan. Duke University, Durham, North Carolina.
- Paul Noah. (2021). Range Distribution and Planting Prioritization for American Chestnut. Duke University, Durham, North Carolina.
- Kelly Joyner and Hannah Royal. (2020). *Management for an Imperiled Reptile on a Coastal Barrier Island, Eastern Diamondback Rattlesnake* (Crotalus adamanteus). Duke University, Durham, North Carolina.
- Natalie Rodriguez. (2020). Description and Evaluation of Rookery Bay National Estuarine Research Reserve Education Program. Duke University, Durham, North Carolina.
- Grace Hancock, Mingfei Xiong, and Alex Vanko. (2020). *Planning a Sustainable Tree Canopy for Durham, North Carolina*. Duke University, Durham, North Carolina.
- Madison Cole. (2020). Mammal Diversity of the Duke Forest. Duke University, Durham, North Carolina.
- Tyler Sammis. (2020). *Playspace Greening in Low-income Communities: Observations from U.S. Urban Parks and Playfield Renovations*. Duke University, Durham, North Carolina.
- Matthew Brantley, Sunny Qiao, and Charles Mize. (Dec 2019). *Risk of Development GIS Modeling to Identify Parcels for Conservation in North Carolina, USA*. Duke University, Durham, North Carolina.
- Emma Fulop & Bhargavi Karumuri. (2019). *Network and Landscape Analyses of Diversity Organizations in Durham, NC*. Duke University, Durham, North Carolina.
- Julia Geschke. (2019). Modeling Salamander Habitat in the Duke Forest. Duke University, Durham, North Carolina.
- Laura Bader, Daniel Hickey, Michelle Kaiser, & Sarah Sanford. (2018). *Urban Forest Planning for the Forest History Society*. Duke University, Durham, North Carolina.
- Caitlyn Cooper. (2018). Lemur Species-Habitat Relationships at Multiple Scales in Ranomafana National Park, Madagascar. Duke University, Durham, North Carolina.
- Shane O'Neal. (2018). A Comprehensive Assessment of Red Wolf Reintroduction Sites. Duke University, Durham, North Carolina.
- Sarah Hagan. (2017). Effects of Stand Attributes in Evaluating Even-aged Loblolly Pine Volume with LiDAR. Duke University, Durham, North Carolina.
- Erika Reiter. (2017). The Whale Community of Husavik: Examining Perceptions & Experiences Surrounding Whale Ecotourism & Conservation. Duke University, Durham, North Carolina.
- Renee Kramer, Hannah Palmer-Dwore, & Peter Satin. (2017). Developing an Alternative Approach to Wildlife Management

- in the Duke Forest. Duke University, Durham, North Carolina.
- Conor Makepeace. (2017). Assessment of Avifauna in North Carolina Piedmont Prairies. Duke University, Durham, North Carolina.
- Diego Calderon-Arrieta. (2017). Evaluating Current Attitudes towards Snakes in the Nicholas School of the Environment's (NSOE) Environmental Master's Student Community. Duke University, Durham, North Carolina.
- Michael Asch, Gregory Cooper & Anne Liberti. (2016). *Replanting Durham's Urban Forest* (Client: City of Durham). Duke University, Durham, North Carolina.
- Patrick Smerczynski & Hunterr Payeur. (2016). *Identifying Forest Management Scale Variables to Manage White-Tailed Deer (Odocoileus virginianus) in Duke Forest, North Carolina* (Client: Duke Forest). Duke University, Durham, North Carolina.
- Charlene Wu. (2015). Examining Urban Wildlife Conservation and Green Space Development Opportunities for Triangle Land Conservancy. Duke University, Durham, North Carolina.
- Nicholas Gadri. (2015). Kingdon's Multiple Streams odel and the Inclusion of Energy Title IX in the 2002 Farm Bill. Duke University, Durham, North Carolina.
- Lisa Appel. (2015). Stakeholder Analysis for Pollinator Conservation in Oakland County Parks. Duke University, Durham, North Carolina.
- Wenjia Zhu & Wenting Ye. (2015). BASF Agricultural Solutions: Sustainability of grounds and landscaping at Durham, NC Facility (Client: BASF). Duke University, Durham, North Carolina.
- Chaquetta Greene. (2013). Duke University and the Nicholas School of the Environment: Encouraging Today's Youth through Environmental Education. Duke University, Durham, North Carolina.