Stanford



Nicole Ardoin

Professor of Environmental Social Sciences and Senior Fellow at the Woods Institute for the Environment

CONTACT INFORMATION

- **Alternate Contact**

  Alison Bowers - Senior Research Associate

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Bio

BIO

Nicole Ardoin, Emmett Family Faculty Scholar, is a Professor of Environmental Social Sciences in the Stanford Doerr School of Sustainability (SDSS). She is also a Senior Fellow in the Woods Institute for the Environment. Professor Ardoin and her Social Ecology Lab research motivations for and barriers to environmental behavior at the individual and collective scales. They use mixed-methods approaches--including participant observation, a variety of interview types, surveys, mapping, network analysis, and ethnography, among others--to consider the influence of place-based connections, environmental learning, and social-ecological interactions on participation in a range of environmental and sustainability-related decisionmaking processes. Professor Ardoin and her interdisciplinary group pursue their scholarship within a political ecology theoretical frame and orientation focused on applications for practice; much of her lab's work is co-designed and implemented with community collaborators. Professor Ardoin is co-director of the Transformation Science Program, an associate editor of the journals "People and Nature" and "Environmental Education Research," and a trustee of the California Academy of Sciences, among other areas of service within the environment and conservation field.

ACADEMIC APPOINTMENTS

- Professor, Environmental Social Sciences
- Senior Fellow, Stanford Woods Institute for the Environment
- Affiliate, Precourt Institute for Energy
- Senior Fellow, Stanford Woods Institute for the Environment

ADMINISTRATIVE APPOINTMENTS

- Emmett Family Faculty Scholar, Doerr School of Sustainability, (2018- present)
- Sykes Family E-IPER Faculty Director, Emmett Interdisciplinary Program in Environment and Resources, (2018-2023)

HONORS AND AWARDS

- Academy Fellow, California Academy of Sciences (2023)
- Bass University Fellow in Undergraduate Education, Stanford University (2021)
- William C. Everhart Award, Clemson Institute for Parks (2018)
- Miriam Aaron Roland Volunteer Service Prize, Haas Center for Public Service, Stanford University (2018)

- Outstanding Contributions to Research in Environmental Education, North American Association for Environmental Education (2016)
- President's Award, North American Association for Environmental Education (2014)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Associate Editor, People and Nature (2025 - present)
- Trustee, California Academy of Sciences (2022 - present)
- Trustee, George B. Storer Foundation (2016 - 2022)
- Advisory Board, North American Association for Environmental Education (2015 - present)
- Education Advisory Council Member, Teton Science Schools (2015 - present)
- Faculty Steering Committee, Haas Center for Public Service (2015 - present)
- Programs Committee of the Board of Directors, Monterey Bay Aquarium (2013 - 2018)
- Advisory Committee, Jasper Ridge Biological Preserve (2012 - present)
- Education Advisory Council Chair, NatureBridge (2010 - present)

PROGRAM AFFILIATIONS

- Center for Latin American Studies

PROFESSIONAL EDUCATION

- Ph. D., Environmental Studies (Social Ecology), Yale University
- M.Phil., Environmental Studies (Social Ecology), Yale University
- M.S., Natural Resource Management, University of Wisconsin, Stevens Point
- B.B.A., International Business & French, James Madison University

LINKS

- My Lab Website: https://socialecology.stanford.edu/

Research & Scholarship

RESEARCH INTERESTS

- Civic Education
- Collaborative Learning
- Gender Issues
- Lifelong Learning
- Psychology
- Research Methods
- Social and Emotional Learning
- Sociology

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Nicole Ardoin, the Emmett Family Faculty Scholar, is a Professor of Environmental Social Sciences in the Stanford Doerr School of Sustainability (SDSS).

Professor Ardoin studies motivations for and barriers to environmental behavior among a range of audiences and in varying settings; the use of social strategies by NGOs to engage individuals and communities in decisionmaking related to the environment; and the role of place-based connections and environmental learning on engagement in place-protective and stewardship actions over time.

Professor Ardoin's Social Ecology Lab group uses mixed-methods approaches--including participant observation, interviews, surveys, mapping, network analysis, and ethnography, among others--to pursue their interdisciplinary scholarship with community collaborators through a field-based, participatory frame. Professor Ardoin is an associate editor of the journals People & Nature and Environmental Education Research and a trustee of the California Academy of Sciences, among other areas of service to the environment and conservation field.

Teaching

COURSES

2026-27

- Foundations of Political Ecology: EBS 325 (Spr)
- Qualitative Inquiry: Theory and Practice of Qualitative Environmental Social Sciences: EBS 308 (Spr)

2025-26

- Foundations of Political Ecology: EBS 325 (Win)
- Human Behavior and the Environment: Individual, Collective and Structural Factors: EBS 302 (Win)
- Pursuing Sustainability: Managing Complex Social Environmental Systems: SUST 210 (Aut)
- Qualitative Research Methods: Theory and Practice of Qualitative Environmental Social Sciences: EBS 308 (Win)

2024-25

- Pursuing Sustainability: Managing Complex Social Environmental Systems: SUST 210 (Aut)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Leona Neftaliem

Doctoral Dissertation Co-Advisor (AC)

Alexander Basaraba, Hilary Brumberg, Lily Colburn, Camille Effler, Sarah Fendrich, Rwaida Gharib, Arjun Hausner, Rachel Herring, Anais Voski, Flora Xu

Doctoral (Program)

Stephanie Caddell, Eeshan Chaturvedi, Sarah Fendrich, Emma Krasovich Southworth, Catherine Lee Hing, Hannah Melville-Rea, Leona Neftaliem, Siddharth Sachdeva, Katie Wu

Publications

PUBLICATIONS

- **Building environmental engagement: Can bridging social-ecological and learning systems theories be a lever for change?** *Ambio*
  Hecht, M., Heimlich, J. E., Ortbahn, C. T., Ardoin, N. M.
  2026
- **A youth-led study of motivations and supports in youth climate activism: formal education as part of the climate learningscape** *CLIMATIC CHANGE*
  Wagonfeld, A., Bowers, A. W., Ardoin, N. M.
  2026; 179 (5)

- **Complementary interactional contexts facilitate learning about the environment in everyday life** *SUSTAINABILITY SCIENCE*
  Ardoin, N. M., Gould, R. K., Wojcik, D., Wheaton, M.
  2026
- **Engaging people in educational processes that foster environmentally valuable outcomes: A synthesis of key findings across eight systematic reviews** *PEOPLE AND NATURE*
  Ardoin, N. M., Reid, A., Bowers, A. W., Ballard, H., Monroe, M. C.
  2026
- **"It's not (just) about content: reimagining academic conferences for relational sustainability research"** *JOURNAL OF ENVIRONMENTAL STUDIES AND SCIENCES*
  Sadan, N., Mayse, A., Lavole, O., Ferguson Irlanda, C., Ardoin, N. M.
  2026
- **Complementary Pathways to Wellbeing and Pro-Environmental Behavior: Indoor and Outdoor Nature Exposure During Remote Work** *INDOOR AIR*
  Xu, J., Bloomfield, L. S. P., Sawe, N., Altaf, B., Ardoin, N. M., Murnane, E. L., Billington, S. L.
  2026; 2026 (1)
- **Urban community gardens foster positive human-avian interactions across an income gradient in San Francisco** *LANDSCAPE AND URBAN PLANNING*
  Langhans, K. E., Echeverri, A., Xu, M., Callahan, M., Li Palmeri, M., Nguyen, O., Ardoin, N. M., Daily, G. C.
  2025; 261
- **Envisioning sustainable climate imaginaries through an "engineering fiction" learning experience: A content analysis of youth stories** *FUTURES*
  Reynante, B., Ardoin, N. M., Pea, R.
  2025; 172
- **Adolescent psychological health, temporal discounting, and climate distress under increased flood exposure in Bangladesh: a mixed-methods cross-sectional study.** *The Lancet. Planetary health*
  Goldberg, L., Luby, S., Sayiara Shuchi, N., Sen, T., Hossen, N., Parodi, G. W., Jensen, E., Ardoin, N. M., Rahman, M., Jahan, F.
  2025: 101273
- **Collective action impacts on climate change mitigation** *CURRENT OPINION IN BEHAVIORAL SCIENCES*
  Ardoin, N. M., Bowers, A. W.
  2025; 63
- **Effects of anthropogenic noise on marine mammal abundances informed by mixed methods** *NPJ OCEAN SUSTAINABILITY*
  O'Connor, R. J., Ardoin, N. M., De Leo, G. A.
  2025; 4 (1)
- **Community scientists provide knowledge and public education and help enforce environmental regulations in social-ecological systems** *COMMUNICATIONS EARTH & ENVIRONMENT*
  O'Connor, R. J., De Leo, G. A., Ardoin, N. M.
  2025; 6 (1)
- **Catalyzing collective imagination for sustainability transformations: A complex systems analysis of collaborative climate fiction writing** *JOURNAL OF ENVIRONMENTAL EDUCATION*
  Reynante, B., Ardoin, N. M., Pea, R.
  2024
- **Engaging Environmental Education Through PISA: Leveraging Curriculum as a Political Process** *AUSTRALIAN JOURNAL OF ENVIRONMENTAL EDUCATION*
  Eames, C. W., Monroe, M. C., White, P. J., Ardoin, N. M.
  2024
- **workplaces and human well-being: A mixed-methods study to quantify the effects of materials, windows, and representation on biobehavioral outcomes (vol 224, 109516, 2022)** *BUILDING AND ENVIRONMENT*
  Douglas, I. P., Murnane, E. L., Bencharit, L., Altaf, B., Costa, J., Yang, J., Ackerson, M., Srivastava, C., Cooper, M., Douglas, K., King, J., Paredes, P. E., Camp, et al

2024; 261

- **Use of crowdsourced online surveys to study the impact of architectural and design choices on wellbeing (vol 4, 780376, 2022)** *FRONTIERS IN SUSTAINABLE CITIES*
  Altaf, B., Bianchi, E., Douglas, I. P., Douglas, K., Byers, B., Paredes, P. E., Ardoin, N. M., Markus, H. R., Murnane, E. L., Bencharit, L. Z., Landay, J. A., Billington, S. L.
  2024; 6

- **Power and participation: A systematic review of marine protected area engagement through participatory science Methods** *MARINE POLICY*
  'Connor, R. J., Spalding, A. K., Bowers, A. W., Ardoin, N. M.
  2024; 163

- **Reducing the cognitive abstractness of climate change through an "engineering fiction" learning experience: A natural language processing study** *JOURNAL OF ENVIRONMENTAL PSYCHOLOGY*
  Reynante, B., Ardoin, N. M., Pea, R.
  2024; 95

- **Sociocultural learning theories for social-ecological change** *ENVIRONMENTAL EDUCATION RESEARCH*
  Wheaton, M., Ardoin, N. M., Bowers, A. W., Kannan, A.
  2024

- **Communities conditionally support deployment of direct air capture for carbon dioxide removal in the United States (vol 5, 175, 2024)** *COMMUNICATIONS EARTH & ENVIRONMENT*
  Scott-Buechler, C., Cain, B., Osman, K., Ardoin, N. M., Fraser, C., Adcox, G., Polk, E., Jackson, R. B.
  2024; 5 (1)

- **Communities conditionally support deployment of direct air capture for carbon dioxide removal in the United States** *COMMUNICATIONS EARTH & ENVIRONMENT*
  Scott-Buechler, C., Cain, B., Osman, K., Ardoin, N. M., Fraser, C., Adcox, G., Polk, E., Jackson, R. B.
  2024; 5 (1)

- **Eco-emotions as the planetary boundaries: framing human emotional and planetary health in the global environmental crisis.** *The Lancet. Planetary health*
  Voski, A., Wong-Parodi, G., Ardoin, N. M.
  2024; 8 Suppl 1: S1

- **Agency in the Anthropocene: education for planetary health.** *The Lancet. Planetary health*
  White, P. J., Ardoin, N. M., Eames, C., Monroe, M. C.
  2024; 8 (2): e117-e123

- **Education to build agency in the Anthropocene** *JOURNAL OF ENVIRONMENTAL EDUCATION*
  Monroe, M. C., Eames, C., White, P. J., Ardoin, N. M.
  2023; 54 (6): 351-354

- **Malama i ke kai: Exploring psychosocial factors associated with personal and community coral reef conservation behavior on Maui, Hawai'i** *CONSERVATION SCIENCE AND PRACTICE*
  Santana, F. N., Yurkanin, A., Stark, T. E., Lindsey, E., Ardoin, N. M., Wong-Parodi, G.
  2023

- **Incorporating justice, equity, and access priorities into land trusts' conservation efforts** *BIOLOGICAL CONSERVATION*
  Beckman, C. M., Wheaton, M., Sawe, N., Ardoin, N. M.
  2023; 279

- **Connecting technologies and nature: Impact and opportunities for digital media use in the context of at-home family environmental learning** *JOURNAL OF ENVIRONMENTAL EDUCATION*
  Lin, V. J., Ardoin, N. M.
  2023; 54 (1): 72-83

- **Community listening sessions: an approach for facilitating collective reflection on environmental learning and behavior in everyday life** *ECOSYSTEMS AND PEOPLE*
  Ardoin, N. M., Gould, R. K., Wojcik, D., Roth, N., Biggar, M.

2022; 18 (1): 469-477

- **Positive youth development outcomes and environmental education: a review of research** *INTERNATIONAL JOURNAL OF ADOLESCENCE AND YOUTH*
  Ardoin, N. M. M., Bowers, A. W. W., Kannan, A., O'Connor, K.
  2022; 27 (1): 475-492

- **Pathways to subsistence management in Alaska national parks: Perspectives of harvesters and agency staff** *PEOPLE AND NATURE*
  Green, K. M., Beaudreau, A. H., Lukin, M., Ardoin, N. M.
  2022

- **A systematic mixed studies review of civic engagement outcomes in environmental education** *ENVIRONMENTAL EDUCATION RESEARCH*
  Ardoin, N. M., Bowers, A. W., Gaillard, E.
  2022

- **Physical workplaces and human well-being: A mixed-methods study to quantify the effects of materials, windows, and representation on biobehavioral outcomes** *BUILDING AND ENVIRONMENT*
  Douglas, I. P., Murnane, E. L., Bencharit, L., Altaf, B., Costa, J., Yang, J., Ackerson, M., Srivastava, C., Cooper, M., Douglas, K., King, J., Paredes, P. E., Camp, et al
  2022; 224

- **Leveraging collective action and environmental literacy to address complex sustainability challenges.** *Ambio*
  Ardoin, N. M., Bowers, A. W., Wheaton, M.
  2022

- **What is community-level environmental literacy, and how can we measure it? A report of a convening to conceptualize and operationalize CLEL** *ENVIRONMENTAL EDUCATION RESEARCH*
  Gibson, L. M., Busch, K. C., Stevenson, K. T., Cutts, B. B., DeMattia, E. A., Aguilar, O. M., Ardoin, N. M., Carrier, S. J., Clark, C. R., Cooper, C. B., Feinstein, N., Goodwin, J., Peterson, et al
  2022

- **Larval source reduction with a purpose: Designing and evaluating a household- and school-based intervention in coastal Kenya.** *PLoS neglected tropical diseases*
  Forsyth, J. E., Kempinsky, A., Pitchik, H. O., Alberts, C. J., Mutuku, F. M., Kibe, L., Ardoin, N. M., LaBeaud, A. D.
  2022; 16 (4): e0010199

- **Use of Crowdsourced Online Surveys to Study the Impact of Architectural and Design Choices on Wellbeing** *Frontiers in Sustainable Cities*
  Altaf, B., Bianchi, E., Douglas, I. P., Douglas, K., Byers, B., Paredes, P. E., Ardoin, N. M., Markus, H. R., Murnane, E. L., Bencharit, L. Z., Landay, J. A., Billington, S. L.
  2022: 19

- **Environmental learning in everyday life: foundations of meaning and a context for change** *ENVIRONMENTAL EDUCATION RESEARCH*
  Ardoin, N. M., Heimlich, J. E.
  2021

- **Communities behind the lens: A review and critical analysis of Visual Participatory Methods in biodiversity conservation** *BIOLOGICAL CONSERVATION*
  Swanson, S. S., Ardoin, N. M.
  2021; 262

- **Scientists' warnings and the need to reimagine, recreate, and restore environmental education** *ENVIRONMENTAL EDUCATION RESEARCH*
  Reid, A., Dillon, J., Ardoin, N., Ferreira, J.
  2021

- **Using social network analysis to explore and expand our understanding of a robust environmental learning landscape** *ENVIRONMENTAL EDUCATION RESEARCH*
  Wojcik, D. J., Ardoin, N. M., Gould, R. K.
  2021

- **Improving Assessments of Connection to Nature: A Participatory Approach** *FRONTIERS IN ECOLOGY AND EVOLUTION*
  Salazar, G., Monroe, M. C., Jordan, C., Ardoin, N. M., Beery, T. H.

2021; 8

- **Impact of Child Interaction With Food Preparation on Vegetable Preferences: A Farm-Based Education Approach.** *Journal of nutrition education and behavior*
  Crary, I. L., Ardoin, N. M., Gardner, C.
  2021
- **Early childhood environmental education: A systematic review of the research literature** *EDUCATIONAL RESEARCH REVIEW*
  Ardoin, N. M., Bowers, A. W.
  2020; 31
- **Early childhood environmental education: A systematic review of the research literature.** *Educational research review*
  Ardoin, N. M., Bowers, A. W.
  2020; 31: 100353
- **Community-as-pedagogy: Environmental leadership for youth in rural Costa Rica** *ENVIRONMENTAL EDUCATION RESEARCH*
  Selby, S. T., Cruz, A. R., Ardoin, N. M., Durham, W. H.
  2020
- **Children's connection to nature as fostered through residential environmental education programs: Key variables explored through surveys and field journals** *ENVIRONMENTAL EDUCATION RESEARCH*
  Talebpour, L. M., Busk, P. L., Heimlich, J. E., Ardoin, N. M.
  2020; 26 (1): 95–114
- **Using a Delphi study to clarify the landscape and core outcomes in environmental education** *ENVIRONMENTAL EDUCATION RESEARCH*
  Clark, C. R., Heimlich, J. E., Ardoin, N. M., Braus, J.
  2020: 1-19
- **Actionable knowledge and the art of engagement** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*
  Mach, K. J., Lemos, M. C., Meadows, A. M., Wyborn, C., Klenk, N., Arnott, J. C., Ardoin, N. M., Fiesler, C., Moss, R. H., Nichols, L., Stults, M., Vaughn, C., Wong-Parodi, et al
  2020; 42: 30-37
- **Fishers' solutions for hammerhead shark conservation in Peru** *BIOLOGICAL CONSERVATION*
  Mason, J. G., Alfaro-Shigueto, J., Mangel, J. C., Crowder, L. B., Ardoin, N. M.
  2020; 243 (108460)
- **Environmental education outcomes for conservation: A systematic review** *BIOLOGICAL CONSERVATION*
  Ardoin, N. M., Bowers, A. W., Gaillard, E.
  2020; 241
- **Environmental education outcomes for conservation: A systematic review** *BIOLOGICAL CONSERVATION*
  Ardoin, N. M., Bowers, A. W., Gaillard, E.
  2020; 241
- **Exploring a theoretical model of climate change action for youth** *INTERNATIONAL JOURNAL OF SCIENCE EDUCATION*
  Busch, K. C., Ardoin, N., Gruehn, D., Stevenson, K.
  2019
- **Scale and sense of place among urban dwellers** *ECOSPHERE*
  Ardoin, N. M., Gould, R. K., Lukacs, H., Sponarski, C. C., Schuh, J. S.
  2019; 10 (9)
- **Motivating landowners to recruit neighbors for private land conservation** *CONSERVATION BIOLOGY*
  Niemiec, R. M., Willer, R., Ardoin, N. M., Brewer, F. K.
  2019; 33 (4): 930–41
- **Exploring connections between environmental learning and behavior through four everyday-life case studies** *ENVIRONMENTAL EDUCATION RESEARCH*
  Gould, R. K., Ardoin, N. M., Thomsen, J. M., Roth, N.
  2019

- **Turmeric means "yellow" in Bengali: Lead chromate pigments added to turmeric threaten public health across Bangladesh.** *Environmental research*
  Forsyth, J. E., Nurunnahar, S. n., Islam, S. S., Baker, M. n., Yeasmin, D. n., Islam, M. S., Rahman, M. n., Fendorf, S. n., Ardoin, N. M., Winch, P. J., Luby, S. P.
  2019; 179 (Pt A): 108722

- **To co-produce or not to co-produce** *NATURE SUSTAINABILITY*
  Lemos, M., Arnott, J. C., Ardoin, N. M., Baja, K., Bednarek, A. T., Dewulf, A., Fieseler, C., Goodrich, K. A., Jagannathan, K., Klenk, N., Mach, K. J., Meadow, A. M., Meyer, et al
  2018; 1 (12): 722–24

- **The importance of culture in predicting environmental behavior in middle school students on Hawai'i Island** *PLOS ONE*
  Gould, R. K., Krymkowski, D. H., Ardoin, N. M.
  2018; 13 (11)

- **Seizing opportunities to diversify conservation** *CONSERVATION LETTERS*
  Gould, R. K., Phukan, I., Mendoza, M. E., Ardoin, N. M., Panikkar, B.
  2018; 11 (4)

- **Sustainable tourism and the management of nearshore coastal places: place attachment and disruption to surf-spots** *JOURNAL OF SUSTAINABLE TOURISM*
  Reineman, D. R., Ardoin, N. M.
  2018; 26 (2): 325–40

- **Scale-dependence of environmental and socioeconomic drivers of albizia invasion in Hawaii** *LANDSCAPE AND URBAN PLANNING*
  Niemiec, R. M., Asner, G. P., Brodrick, P. G., Gaertner, J. A., Ardoin, N. M.
  2018; 169: 70–80

- **Increased Neighbor Interaction and Fear of Social Sanctions: Associations with Resident Action to Control the Invasive Little Fire Ant** *SOCIETY & NATURAL RESOURCES*
  Niemiec, R. M., Ardoin, N. M., Brewer, F. K., Kung, S., Lopez, K.
  2018; 31 (10): 1149–68

- **Increased Neighbor Interaction and Fear of Social Sanctions: Associations with Resident Action to Control the Invasive Little Fire Ant** *Society & Natural Resources*
  Niemiec, R., Ardoin, N., Brewer, F., Kung, S., Lopez, K.
  2018: 1-20

- **Scale-dependence of environmental and socioeconomic drivers of albizia invasion in Hawaii** *Landscape and Urban Planning*
  Niemiec, R., Asner, G., Brodrick, P., Gaertner, J., Ardoin, N.
  2018; 169: 70-80

- **The importance of culture in predicting environmental behavior in middle school students on Hawai'i Island.** *PloS one*
  Gould, R. K., Krymkowski, D. H., Ardoin, N. M.
  2018; 13 (11): e0207087

- **What difference do role models make? Investigating outcomes at a residential environmental education center** *ENVIRONMENTAL EDUCATION RESEARCH*
  Stern, M. J., Frensley, B., Powell, R. B., Ardoin, N. M.
  2018; 24 (6): 818–30

- **Factors that contribute to community members' support of local nature centers** *ENVIRONMENTAL EDUCATION RESEARCH*
  Browning, M. M., Stern, M. J., Ardoin, N. M., Heimlich, J. E.
  2018; 24 (3): 326–42

- **Environmental education and K-12 student outcomes: A review and analysis of research** *JOURNAL OF ENVIRONMENTAL EDUCATION*
  Ardoin, N. M., Bowers, A. W., Roth, N., Holthuis, N.
  2018; 49 (1): 1–17

- **Civic and natural place attachment as correlates of resident invasive species control behavior in Hawaii** *BIOLOGICAL CONSERVATION*
  Niemiec, R. M., Ardoin, N. M., Wharton, C. B., Brewer, F.

2017; 209: 415–22

- **Social learning within a community of practice: Investigating interactions about evaluation among zoo education professionals.** *Evaluation and program planning*
  Khalil, K., Ardoin, N. M., Wojcik, D.
  2017; 61: 45-54
- **Community context, human needs, and transportation choices: A view across San Francisco Bay Area communities** *JOURNAL OF TRANSPORT GEOGRAPHY*
  Biggar, M., Ardoin, N. M.
  2017; 60: 189–99
- **Exploring the Effectiveness of Outreach Strategies in Conservation Projects: The Case of the Audubon Toyota TogetherGreen Program** *SOCIETY & NATURAL RESOURCES*
  Stern, M. J., Ardoin, N. M., Powell, R. B.
  2017; 30 (1): 95-111
- **More than good intentions: the role of conditions in personal transportation behaviour** *LOCAL ENVIRONMENT*
  Biggar, M., Ardoin, N. M.
  2017; 22 (2): 141–55
- **Investigating the sets of values that community members hold toward local nature centers** *ENVIRONMENTAL EDUCATION RESEARCH*
  Browning, M. M., Stern, M. J., Ardoin, N. M., Heimlich, J. E., Petty, R., Charles, C.
  2017; 23 (9): 1291–1306
- **The development of trust in residential environmental education programs** *ENVIRONMENTAL EDUCATION RESEARCH*
  Ardoin, N. M., DiGiano, M. L., O'Connor, K., Podkul, T. E.
  2017; 23 (9): 1335–55
- **More than good intentions: the role of conditions in personal transportation behaviour** *Local Environment*
  Biggar, M., Ardoin, N. M.
  2017; 22 (2): 141-155
- **Community context, human needs, and transportation choices: a view across San Francisco Bay Area communities** *Journal of transport geography*
  Biggar, M., Ardoin, N. M.
  2017; 60: 189-199
- **Civic and natural place attachment as correlates of resident invasive species control behavior in Hawaii** *Biological Conservation*
  Niemiec, R. M., Ardoin, N. M., Wharton, C. B., Brewer, F. K.
  2017; 209: 415-422
- **The development of trust in residential environmental education programs** *Environmental Education Research*
  Ardoin, N. M., DiGiano, M. L., O'Connor, K., Podkul, T. E.
  2017; 23 (9): 1335-1355
- **Investigating the sets of values that community members hold toward local nature centers** *Environmental Education Research*
  Browning, M. H., Stern, M. J., Ardoin, N. M., Heimlich, J. E., Petty, R., Charles, C.
  2017; 23 (9): 1291-1306
- **UNDERSTANDING THE COMMUNITY CONTEXT OF AEDES AEGYPTI MOSQUITO BREEDING IN COASTAL KENYA: IMPLICATIONS FOR CONTROL**
  Forsyth, J., Mutuku, F., Kibe, L., Kamoni, J., Mwashee, L., Ardoin, N., LaBeaud, D.
  AMER SOC TROP MED & HYGIENE.2017: 56
- **The company you keep: Networks in a community of informal education evaluators** *STUDIES IN EDUCATIONAL EVALUATION*
  Khalil, K. A., Ardoin, N. M., Wojcik, D. J.
  2016; 51: 7-16
- **Farmer Typology in South Kona, Hawai'i: Who's Farming, How, and Why?** *FOOD CULTURE & SOCIETY*
  Lincoln, N. K., Ardoin, N.

2016; 19 (3): 563-585

- **Environmental Behavior's Dirty Secret: The Prevalence of Waste Management in Discussions of Environmental Concern and Action** *ENVIRONMENTAL MANAGEMENT*
  Gould, R. K., Ardoin, N. M., Biggar, M., Cravens, A. E., Wojcik, D.
  2016; 58 (2): 268-282
- **Effects of a behaviour change intervention for Girl Scouts on child and parent energy-saving behaviours** *NATURE ENERGY*
  Boudet, H., Ardoin, N. M., Flora, J., Armel, K. C., Desai, M., Robinson, T. N.
  2016; 1
- **Cultivating values: environmental values and sense of place as correlates of sustainable agricultural practices** *AGRICULTURE AND HUMAN VALUES*
  Lincoln, N. K., Ardoin, N. M.
  2016; 33 (2): 389-401
- **Using online narratives to explore participant experiences in a residential environmental education program** *CHILDRENS GEOGRAPHIES*
  Ardoin, N. M., DiGiano, M., O'Connor, K., Holthuis, N.
  2016; 14 (3): 263-281
- **Environmental Behavior of Visitors to a Science Museum** *VISITOR STUDIES*
  Ardoin, N. M., Schuh, J. S., Khalil, K. A.
  2016; 19 (1): 77–95
- **"I know, therefore I adapt?" Complexities of individual adaptation to climate-induced forest dieback in Alaska** *ECOLOGY AND SOCIETY*
  Oakes, L. E., Ardoin, N. M., Lambin, E. F.
  2016; 21 (2)
- **Post-trip philanthropic intentions of nature-based tourists in Galapagos** *Journal of Ecotourism*
  Ardoin, N. M., Wheaton, M., Hunt, C. A., Schuh, J. S., Durham, W. H.
  2016; 15 (1): 21-35
- **Looking toward the blue sky: Environmental education researchers' experience, influences, and aspirations** *Applied Environmental Education & Communication*
  Ardoin, N. M., Clark, C. R., Wojcik, D. J.
  2016; 15 (1): 75-89
- **Negotiating credibility and legitimacy in the shadow of an authoritative data source** *ECOLOGY AND SOCIETY*
  Cravens, A. E., Ardoin, N. M.
  2016; 21 (4)
- **Beyond formal groups: neighboring acts and watershed protection in Appalachia** *INTERNATIONAL JOURNAL OF THE COMMONS*
  Lukacs, H., Ardoin, N. M., Grubert, E.
  2016; 10 (2): 878-901
- **Motivating residents to combat invasive species on private lands: social norms and community reciprocity** *ECOLOGY AND SOCIETY*
  Niemiec, R. M., Ardoin, N. M., Wharton, C. B., Asner, G. P.
  2016; 21 (2)
- **Using web and mobile technology to motivate pro-environmental action after a nature-based tourism experience** *JOURNAL OF SUSTAINABLE TOURISM*
  Wheaton, M., Ardoin, N. M., Hunt, C., Schuh, J. S., Kresse, M., Menke, C., Durham, W.
  2016; 24 (4): 594-615
- **Conservation in a social-ecological system experiencing climate-induced tree mortality** *BIOLOGICAL CONSERVATION*
  Oakes, L. E., Hennon, P. E., Ardoin, N. M., D'Amore, D. V., Ferguson, A. J., Steel, E. A., Wittwer, D. T., Lambin, E. F.
  2015; 192: 276-285
- **Nature-based tourism's impact on environmental knowledge, attitudes, and behavior: a review and analysis of the literature and potential future research** *JOURNAL OF SUSTAINABLE TOURISM*
  Ardoin, N. M., Wheaton, M., Bowers, A. W., Hunt, C. A., Durham, W. H.

2015; 23 (6): 838-858

- **Collaborative and Transformational Leadership in the Environmental Realm** *JOURNAL OF ENVIRONMENTAL POLICY & PLANNING*
  Ardoin, N. M., Gould, R. K., Kelsey, E., Fielding-Singh, P.
  2015; 17 (3): 360-380
- **A Protocol for eliciting nonmaterial values through a cultural ecosystem services frame** *CONSERVATION BIOLOGY*
  Gould, R. K., Klain, S. C., Ardoin, N. M., Satterfield, T., Woodside, U., Hannahs, N., Daily, G. C., Chan, K. M.
  2015; 29 (2): 575-586
- **Evaluation in residential environmental education: An applied literature review of intermediary outcomes** *Applied Environmental Education & Communication*
  Ardoin, N. M., Biedenweg, K., O'Connor, K.
  2015; 14 (1): 43-56
- **Energy behaviours of northern California Girl Scouts and their families** *ENERGY POLICY*
  Boudet, H., Ardoin, N. M., Flora, J., Armel, K. C., Desai, M., Robinson, T. N.
  2014; 73: 439-449
- **Exploring Sense of Place and Environmental Behavior at an Ecoregional Scale in Three Sites** *HUMAN ECOLOGY*
  Ardoin, N. M.
  2014; 42 (3): 425-441
- **Using digital photography and journaling in evaluation of field-based environmental education programs** *STUDIES IN EDUCATIONAL EVALUATION*
  Ardoin, N. M., DiGiano, M., Bundy, J., Chang, S., Holthuis, N., O'Connor, K.
  2014; 41: 68-76
- **The implications of differing tourist/resident perceptions for community-based resource management: a Hawaiian coastal resource area study** *JOURNAL OF SUSTAINABLE TOURISM*
  Vaughan, M. B., Ardoin, N. M.
  2014; 22 (1): 50-68
- **Youth-community-university partnerships and sense of place: two case studies of youth participatory action research** *CHILDRENS GEOGRAPHIES*
  Ardoin, N. M., Castrechini, S., Hofstedt, M. K.
  2014; 12 (4): 479-496
- **The forest has a story: cultural ecosystem services in Kona, Hawai'i** *ECOLOGY AND SOCIETY*
  Gould, R. K., Ardoin, N. M., Woodside, U., Satterfield, T., Hannahs, N., Daily, G. C.
  2014; 19 (3)
- **The Relationship of Place Re-Making and Watershed Group Participation in Appalachia** *SOCIETY & NATURAL RESOURCES*
  Lukacs, H. A., Ardoin, N. M.
  2014; 27 (1): 55-69
- **An exploration of future trends in environmental education research** *ENVIRONMENTAL EDUCATION RESEARCH*
  Ardoin, N. M., Clark, C., Kelsey, E.
  2013; 19 (4): 499-520
- **Views From the Field: Conservation Educators' and Practitioners' Perceptions of Education as a Strategy for Achieving Conservation Outcomes** *JOURNAL OF ENVIRONMENTAL EDUCATION*
  Ardoin, N. M., Heimlich, J. E.
  2013; 44 (2): 97-115
- **Exploring the dimensions of place: a confirmatory factor analysis of data from three ecoregional sites** *ENVIRONMENTAL EDUCATION RESEARCH*
  Ardoin, N. M., Schuh, J. S., Gould, R. K.
  2012; 18 (5): 583-607
- **Trends in Philanthropic Support: Foundation Giving in Environmental Education** *JOURNAL OF ENVIRONMENTAL EDUCATION*

Ardoin, N. M., Bowers, A. W.
2012; 43 (4): 259-273

- **Evaluating a Constructivist and Culturally Responsive Approach to Environmental Education for Diverse Audiences** *JOURNAL OF ENVIRONMENTAL EDUCATION*
  Stern, M. J., Powell, R. B., Ardoin, N. M.
  2011; 42 (2): 109-122
- **Development and validation of scales to measure environmental responsibility, character development, and attitudes toward school** *ENVIRONMENTAL EDUCATION RESEARCH*
  Powell, R. B., Stern, M. J., Krohn, B. D., Ardoin, N.
  2011; 17 (1): 91-111
- **'Malama the 'aina, Malama the people on the 'aina': The Reaction to Avatar in Hawai'i** *JOURNAL FOR THE STUDY OF RELIGION NATURE AND CULTURE*
  Gould, R. K., Ardoin, N. M., Hashimoto, J.
  2010; 4 (4): 425–56
- **What Difference Does It Make? Assessing Outcomes From Participation in a Residential Environmental Education Program** *JOURNAL OF ENVIRONMENTAL EDUCATION*
  Stern, M. J., Powell, R. B., Ardoin, N. M.
  2008; 39 (4): 31-43
- **Understanding behavior to understand behavior change: a literature review** *ENVIRONMENTAL EDUCATION RESEARCH*
  Heimlich, J. E., Ardoin, N. M.
  2008; 14 (3): 215-237