



## Nicole Ardoin

Associate Professor at the Stanford Doerr School of Sustainability and Senior Fellow at the Woods Institute for the Environment  
Social Sciences Division

### CONTACT INFORMATION

- **Alternate Contact**

Alison Bowers - Senior Research Associate

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### Bio

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#### BIO

Nicole Ardoin, Emmett Family Faculty Scholar, is an Associate Professor of Environmental Behavioral Sciences in the Division of 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 with a theoretical grounding and orientation focused on applications for practice; much of her lab's work is co-designed and implemented with community collaborators through a field-based, participatory frame. Professor Ardoin is an associate editor of the journal *Environmental Education Research*, a trustee of the California Academy of Sciences, and chair of NatureBridge's Education Advisory Council, among other areas of service within the environment and conservation field.

#### ACADEMIC APPOINTMENTS

- Associate Professor, Social Sciences Division
- 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, School of Earth, Energy, and Environmental Sciences, (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**

- 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**

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### **RESEARCH INTERESTS**

- Civic Education
- Collaborative Learning
- Environmental Education
- 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 an associate professor of Environmental Behavioral Sciences in the Social Sciences Division of 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 journal *Environmental Education Research*, a trustee of the California Academy of Sciences, and chair of NatureBridge's Education Advisory Council, among other areas of service to the environment and conservation field.

#### RECENT RESEARCH (Selected):

The Summen Project: Coastal Fog-mediated Interactions Between Climate Change, Upwelling, and Coast Redwood Resilience (funded by NSF Coastal SEES Program, the National Geographic Society, and the TELOS Fund; in partnership with UC Santa Cruz, UC Berkeley, Carnegie, Oregon State University)

Scholars and Land-Trust Managers Collaborating for Solutions (funded by Realizing Environmental Innovations Projects, Stanford Woods Institute for the Environment. Co-PI: Deborah Gordon, Biology, Stanford)

Community and Collective Environmental Literacy as a Motivator for Participating in Environmental Stewardship (funded by the Pisces Foundation)

Hybrid Physical and Digital Spaces for Enhanced Sustainability and Wellbeing (funded by Stanford Catalyst for Collaborative Solutions, PI: Sarah Billington, Civil and Environmental Engineering, with co-PIs from Engineering, Computer Science, Psychology)

Blue Habits: Leveraging Behavioral Science to Support Pro-Ocean Behaviors (funded by Booking Cares Fund. In partnership with The Oceanic Society)

eeWorks: Examining the body of evidence for environmental education with regard to conservation, academic outcomes, civic engagement, and positive youth development (funded by North American Association for Environmental Education, US EPA, Fish and Wildlife Service, and others)

#### RESEARCH INTERESTS (alphabetically):

Community Involvement and Co-Production of Research  
Community-Based Conservation  
Connecting Research and Practice  
Environmental Behavior and Stewardship  
Environmental Learning and Literacy  
Equity and Inclusion in Environment and Conservation  
Evaluation and Assessment of Environmental Efforts  
Individual and Collective Action  
Mixed-methods Research  
Philanthropy in Environment and Conservation Efforts  
Qualitative Research  
Systems Thinking / Complex Socio-Environmental Systems

Youth Involvement in Research

## Teaching

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### COURSES

#### 2022-23

- Designing Environmental Research: ENVRES 320 (Win)
- Introduction to Environmental and Resource Systems: ENVRES 280 (Spr)
- Research Approaches for Environmental Problem Solving: ENVRES 330 (Spr)

#### 2021-22

- Designing Environmental Research: ENVRES 320 (Win)
- Moral, Civic, and Environmental Education: EDUC 379, ENVRES 255 (Spr)
- Research Approaches for Environmental Problem Solving: ENVRES 330 (Spr)

#### 2020-21

- Moral, Civic, and Environmental Education: EDUC 379, ENVRES 255 (Spr)
- Qualitative Interviewing: EDUC 450C, ENVRES 231 (Win)
- Research Approaches for Environmental Problem Solving: ENVRES 330 (Spr)
- Theoretical Underpinnings of Environmental Behavior: Exploration and reflection: ENVRES 341 (Aut, Win, Spr, Sum)

### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Caroline Ferguson

#### Doctoral Dissertation Advisor (AC)

Archana Kannan

#### Master's Program Advisor

Emily Brieant, Julia Hok

#### Doctoral Dissertation Co-Advisor (AC)

Sarah Fendrich, Ryan OConnor, Anais Voski

#### Doctoral (Program)

Eeshan Chaturvedi, Safari Fang, Sarah Fendrich, Jill Ferguson, Ayako Kawano, Emma Krasovich Southworth, Catherine Lee Hing, Hannah Melville-Rea, Leona Neftaliem, Siddharth Sachdeva, Jayson Toweh, Katie Wu

## Publications

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### PUBLICATIONS

- **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., Bowers, A. 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
- **Source reduction with a purpose: Mosquito ecology and community perspectives offer insights for improving household mosquito management in coastal Kenya.** *PLoS neglected tropical diseases*  
Forsyth, J. E., Mutuku, F. M., Kibe, L. n., Mwashee, L. n., Bongo, J. n., Egemba, C. n., Ardoin, N. M., LaBeaud, A. D.  
2020; 14 (5): e0008239
- **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

- **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*  
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