

Katherine J. Cornwall

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EDUCATION

Doctor of Philosophy, Education

Johns Hopkins University

2019 – 2024
(expected, May)

- Focus: Environmental education
- Advisor: Hunter Gehlbach, PhD
- Dissertation: The paradox of environmental action: Perceptions of environmental decline and the relationship with well-being

Master of Science, Environmental Science

Washington State University

2012-2013

- Focus: Human/environment connections and environmental education
- Advisor: Allyson Beall King, PhD
- Thesis: Reconnecting With Nature: Salvaging Our Bonds With the Environment Through Urban Design and Experiential Learning

Bachelor of Arts, Environmental Studies

University of Oregon

2006 - 2009

- Focus: Environmental leadership and environmental education
- Magna Cum Laude

RESEARCH INTERESTS

Themes: Climate change communication, human-environment connections, environmental education, environmental motivation, pro-environmental attitudes and behaviors, resilience, mental health, well-being

Methods: Survey design, quantitative methods, qualitative methods

ACADEMIC RESEARCH

Graduate Research Assistant

Johns Hopkins University, SPIEE Lab

2019 - current

- Research subjects: Sustainability and environmental education, environmental storytelling, social perspective taking, cognitive consistency, social-emotional learning
- Responsibilities: Survey development, survey management via Qualtrics, quantitative data collection and analysis, results memo writing and presentation, management of IRB applications/approvals

UNDERGRADUATE COURSES TAUGHT

Johns Hopkins University, Environmental Studies

Exploring Nature	Fall 2021
Environmental Ethics	Spring 2021
Environmental Policymaking	Spring 2021
Exploring Nature	Fall 2020
Environmental Ethics	Spring 2020

Washington State University, Environmental Science

Environmental Science 101	Spring 2013
Environmental Science 101	Fall 2012

PUBLICATION

Gehlbach, H., Mu, N., Arcot, R. R., Chuter, C., Cornwall, K. J., Nehring, L., Robinson, C. D., & Vriesema, C. C. (2022). Addressing the vexing educational challenges of biodiversity loss: A photo-based intervention. *Contemporary Educational Psychology, 71*.
<https://doi.org/10.1016/j.cedpsych.2022.102096>

COMMUNICATION

Gehlbach, H., Zhang, Q., Cornwall, K. (2023). Scientific storytelling for the current climate. *Association for Psychological Science*, Sept/Oct.
<https://www.psychologicalscience.org/observer/scientific-storytelling>

WORK IN PROGRESS

- Locus of responsibility for climate action: Measuring the perception of climate change action
- Outcomes associated with the environmental locus of responsibility: how perception can help as well as hinder progress

PRESENTATIONS

Cornwall, K.J. (2023, October). *Locus of responsibility: Measuring the perception of climate change action* [Symposium]. North American Association of Environmental Educators Annual Research Symposium, virtual.

Cornwall, K.J. (2023, October). *Personal environmental efficacy: What contributes and what that could mean* [Symposium]. North American Association of Environmental Educators Annual Research Symposium, virtual.

- Cornwall, K.J. (2023, August). *The contributions of thoughts and feelings in relation to personal environmental efficacy* [Poster]. American Psychological Association Convention, Washington, D.C., United States.
- Cornwall, K.J. (2023, August). *Who is responsible for mitigating climate change? Measuring the locus of responsibility* [Poster]. American Psychological Association Convention, Washington, D.C., United States.
- Nehring, L.D., Mu, N., Wang, X., Zhang, Q., Cornwall, K.J., Gehlbach, H. (2023, April). *Outcomes of an outdoor, residential learning experience in the context of pandemic and learning loss* [Roundtable]. Annual meeting of the American Educational Research Association, Chicago, IL, United States.
- Cornwall, K.J. Shankar, A., Kallenberg, H. Marker, H. (2023, April). *Personal resilience for sustainability practitioners and students* [Symposium]. Sustainability Leadership Symposium, Johns Hopkins University, Baltimore, MD, United States.
- Cornwall, K., Arcot, R., Chuter, C., Mu, N., Nehring, L., Zhang, Q., Robinson, C., Gehlbach, H. (2022, August). *The contribution of photographs in environmental and psychological outcomes* [Poster]. American Psychological Association Convention, Minneapolis, MN, United States.
- Cornwall, K., Nehring, L. (2022, August). *Associations between mindfulness and emotion regulation via nature connectedness* [Poster]. American Psychological Association Convention, Minneapolis, IL, United States.
- Chuter, C., Mu, N., Zhang, Q., Arcot, R., Nehring, L., Cornwall, K., Robinson, C., & Gehlbach, H. (2022, August). *The impact of narrative on environmental attitudes and behaviors* [Poster]. American Psychological Association Convention, Minneapolis, IL, United States.
- Zhang, Q., Arcot, A., Chuter, C., Cornwall, K., Mu, N., Nehring, L., Robinson, C., Gehlbach, H. (2022, August). *Is a picture worth a thousand words for educational and psychological outcomes?* [Poster]. American Psychological Association Convention, Minneapolis, IL, United States.
- Cornwall, K. & Hann, T. (2021, April). *The development of the nature connectedness scale: An instrument to measure human connection with nature* [Conference Presentation]. Annual meeting of the American Educational Research Association, Virtual.
- Arcot, R., Chuter, C., Cornwall, K., Mu, N., Robinson, C. D., Vriesema, C. C., & Gehlbach, H. (2021, April). *Shifting the perspective of climate skeptics* Annual meeting of the American Educational Research Association, Virtual.
- Chuter, C., Mu, N., Arcot, R., Nehring, L., Cornwall, K., Robinson, C., Vriesema, C., & Gehlbach, H. (2021, August). *The effects of photographs on emotions, valuing of biodiversity, and environmental behaviors* [Poster]. American Psychological Association Convention, Virtual.
- Parsons, M., Sinclair, W., Anderson, P., Nilsen, J., Qualls, A., Esmeralda, B., Cornwall, K., & Maxey, J. (2012). *Delimiting Spokane's central business district: An urban field research study* [Conference Presentation]. Eastern Washington University Symposium, Cheney, WA, United States.

INVITED TALKS

- Cornwall, K.J. (2023, November). *The paradox of environmental action: Perceptions of environmental decline and the relationship with well-being*. Global Environmental Sustainability and Health at Johns Hopkins University, Baltimore, MD, United States.
- Cornwall, K.J. (2022, December). *The emotional toll of environmental education, plus updates*. Global Environmental Sustainability and Health at Johns Hopkins University, Baltimore, MD, United States.
- Cornwall, K.J. (2022, May). *The emotional toll of environmental education*. Global Environmental Sustainability and Health at Johns Hopkins University, Baltimore, MD, United States.

PREREGISTRATIONS

- Cornwall, K. J. (2023, August 19). Environmental locus of responsibility: Survey scale development. <https://doi.org/10.17605/OSF.IO/7P4WB>
- Cornwall, K. J., & Gehlbach, H. (2023, August 19). The effect of introductory clauses on survey responses. <https://doi.org/10.17605/OSF.IO/7WRVA>
- Gehlbach, H., Robinson, C. D., Mu, N., Arcot, R., & Cornwall, K. J. (2021, June 28). Learning About the Experience of Others. <https://doi.org/10.17605/OSF.IO/GM6XP>
- Mu, N., Gehlbach, H., Robinson, C. D., Vriesema, C. C., Arcot, R., Chuter, C., ... Cornwall, K. J. (2021, March 15). A picture is worth 1000 motivated students: Effects of photos on environmental outcomes. <https://doi.org/10.17605/OSF.IO/2UN8H>

ADDITIONAL TRAINING

The Teaching Institute 2023
The Teaching Academy at Johns Hopkins University

CONSULTING

Survey Consultant 2022
Carrol Media Center

Survey Consultant
People's Choice Literature Survey 2021 - 2022

ADVOCACY

Addressing the Impact of Climate Change on Mental Health and Health Equity 2022
American Psychological Association Advocacy Summit

JOURNAL REVIEWING

Journal of Environmental Psychology

2020

SOFTWARE EXPERIENCE

Qualtrics Survey Software

STATA Statistical Software

R Statistical Software

Blackboard Academic Management Software

Canvas Academic Management Software

Vensim System Dynamics Software

Microsoft Office

AWARDS AND SCHOLARSHIPS

Dean's Fellowship

2022, 2023

Johns Hopkins University

William B. Stapp Scholarship

2022

North American Association for Environmental Education

MEMBERSHIPS

Johns Hopkins University Sustainability Leadership Council

2021 - current

American Psychological Association

2021 - current

North American Association for Environmental Education

2021 - current

American Educational Research Association

2019 - current

Association of Student Planners

2011 – 2012

REFERENCES

Hunter Gehlbach, PhD

Professor and Faculty Lead of the PhD Program, School of Education

Johns Hopkins University

gehlbach@jhu.edu

Alexios Monopolis, PhD,

Lecturer, Advanced Academic Programs and former Associate Director, Environmental Science and Studies

Johns Hopkins University

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Allyson Beall King, PhD,

Director, School of the Environment and Scholarly Associate Professor
Washington State University
abeall@wsu.edu