

Curriculum Vitae

JOANNA K. HUXSTER

Associate Professor of Environmental Studies
 Environmental Studies Discipline
 Eckerd College

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Areas of Expertise

Climate change and environmental communication, Public understanding of climate change, Public understanding of science, Science of science communication, Identity-protective cognition, Scientific literacy

Employment

	Eckerd College	St. Petersburg, FL
	Environmental Studies Discipline	
2023 – Present	<i>Associate Professor of Environmental Studies (with tenure)</i>	
2017 – 2023	<i>Assistant Professor of Environmental Studies</i>	
	Bucknell University	Lewisburg, PA
	Dept. of Philosophy	
2015 - 2017	<i>Postdoctoral Research and Teaching Fellow, The Production of Public Understanding of Science Project</i>	
	St. Joseph's University	Philadelphia, PA
	Environmental Science Department	
2014 – 2015	<i>Adjunct Faculty</i>	
	Drexel University, Dept. of Sociology	Philadelphia, PA
2013 - 2015	<i>Visiting Research Professor</i>	
	University of Delaware	Newark, DE
	College of Earth Ocean and Environment	
2011 – 2012	<i>Research Assistant, National Science Foundation Grant</i>	
2009 – 2010	<i>Research Assistant, Center for Carbon Free Power</i>	
2008	<i>Policy Intern, Gerard J. Mangone Center for Marine Policy</i>	

Education

- 2013 **Ph.D. in Marine Studies with a Concentration in Marine Policy**, University of Delaware, Newark, DE
Dissertation: *Student Understanding of Climate Change: Influences of College Major and Environmental Group Membership on Undergraduate Knowledge and Mental Models*
Dissertation Advisor: Dr. Willett Kempton
- 2008 **Bachelor of Arts in Geography**, University of Delaware, Newark, DE
Minor in Studio Art

Honors and Awards

- 2021 **Climate Changer**, [iclimatchange.org](http://climatechange.org)
- 2017 **Sackler Colloquium on SSCIII Early Career Researcher Award**
- 2013 **Best Student Presentation Award**, Eighth Symposium on Policy and Socio-economic Research Student Competition, American Meteorological Society's 93rd Annual Meeting
- 2011 **Sustainability Fund Award**, University of Delaware

Research

Refereed Journal Articles

**Undergraduate student I supervised*

- (11) Slater, Matthew H., **Joanna K. Huxster**, and Emily Scholfield. (2022) "Public Conceptions of Scientific Consensus" *Erkenntnis*. First Online July 18 2022
- (10) Landrum, Asheley, Brady Davis, **Joanna K. Huxster**, and Heather Carrasco. (2021) "Influences of Study Design on the Effectiveness of Consensus Messaging: The Case of Medicinal Cannabis" *PLoS ONE*. 6(11): e0260342
- (9) **Huxster, Joanna K.**, Matthew Slater, and Asheley Landrum. (2021) "The Development and Validation of the Social Enterprise of Science Index (SESI): an Instrument to Measure Grasp of the Social-Institutional Aspects of Science" *SAGE Open*. April-June 2021: 1-14. First Online May 25, 2021
- (8) Slater, Matthew H., **Joanna K. Huxster**, and Julia Bresticker* (2019) "Understanding and Trusting Science" *Journal for General Philosophy of Science*. 50(2): 241-261. First Online April 9, 2019
- (7) Slater, Matthew H., **Joanna K. Huxster**, Julia Bresticker*, and Victor LoPiccolo* "Denialism as Applied Skepticism" *Erkenntnis* 85: 871-890. First Online August 20, 2018

- (6) **Huxster, Joanna K.**, Matthew Slater, Jason Leddington, Jeffrey Bergman*, Mack Jones*, Victor LoPiccolo*, Caroline McGlynn*, Nicolas Diaz*, Nate Aspinall*, Julia Bresticker*, and Melissa Hopkins* (2017) "Understanding 'Understanding' in *Public Understanding of Science*" *Public Understanding of Science*. 27(7): 756-771 First Published October 23, 2017
- (5) **Huxster, Joanna K.**, Melissa Hopkins*, Julia Bresticker*, Matthew Slater, and Jason Leddington (2017) "Attempts to Prime Intellectual Virtues for Understanding of Science: Failures to Inspire Intellectual Effort" *Philosophical Psychology* 30:8, 1141-1158. First Online September 4, 2017
- (4) Carmichael, Jason, Robert Brulle, and **Joanna Huxster** (2017) "The great divide: understanding the role of media and other drivers of the partisan divide in public concern over climate change in the USA, 2001-2014" *Climatic Change*. 141(4): 599-612. First Online: January 31, 2017
- (3) Forster, B.M., C. Arango Pinedo, J. Fingerut, C. Fritz, **J. Huxster**, C. Violin. (2016) "Integration of Graphing Activities in Non-Science Major Environmental Science and Nursing Microbiology Lab Courses." *Journal of Microbiology & Biology Education*. 17(3): 501.
- (2) **Huxster, Joanna K.**, Ximena Uribe-Zarain and Willett Kempton (2015) "Undergraduate Understanding of Climate Change: Influences of college major and environmental group membership on survey knowledge scores" *The Journal of Environmental Education*. 463(3): 149-165
- (1) **Huxster, Joanna K.**, Jason Carmichael and Robert Brulle. (2014) "A macro political examination of the partisan and ideological divide in aggregate public concern over climate change in the U.S., 2001-2013" *Environmental Management and Sustainable Development*. 4(1):1-10

Refereed Book Chapters

- (1) **Huxster, Joanna K.** (2022) "Influence of Environmental Movements on Public Opinion and Attitudes: People's movements moving the people?" *Routledge Handbook on Environmental Movements*. Eds. Maria Grasso and Marco Giugni. Routledge. 472-487

Non-Refereed Publications

- (1) Hindsley, Paul., **Joanna K. Huxster**, Ashton Morgan, and Hilary Flower (2023). "Floridians' Concern for the Everglades: the influence of environmental knowledge and cultural worldview on concern and perception of impact from various environmental threats" *Preprint Research Square* <https://doi.org/10.21203/rs.3.rs-2869654/v1>
- (2) Slater, Matthew. H., **Joanna K. Huxster**, and Emily Scholfield. (2021). "Public Conceptions of Scientific Consensus" *OSF Preprint* <https://doi.org/10.31219/osf.io/yehsp>

- (3) Landrum, Asheley R. and **Joanna K. Huxster**. (2021) “Mask Messaging for COVID-19: Examining the effectiveness of a scientific consensus message versus an explanatory infographic.” RAPID Preliminary Report 2. San Francisco, CA: KQED.org <http://www.kqed.com/about/16011/mask-messaging-for-covid19>
- (4) **Huxster, Joanna K.** (2021) “Can infographics or messages about scientific consensus increase public acceptance of mask wearing and concern about COVID-19?” Cracking the Code, RAPID Response Research. KQED.org <https://www.kqed.org/about/16011/mask-messaging-for-covid19>
- (5) **Huxster, Joanna K.**, Matthew Slater, and Asheley Landrum. (2020) “Understanding the Scientific Enterprise: Development and Validation of an Instrument to Measure Grasp of the Social Structure of Science” (March 6, 2020). Available at SSRN: <http://ssrn.com/abstract=3549988>

Conference Papers and Presentations

**Undergraduate student I supervised*

- (1) Robinson, Kathleen, **Joanna Huxster**, Denise Flaherty, Lisa Bonner, and Alexis Ramsey - Tobienne (May 2023) “From Start to Teach: A Review of Team Teaching – A Model of Equity and Engagement” Sunshine State Teaching and Learning Conference, Orlando, FL
- (2) Slater, Matthew and **Joanna Huxster**. (November 2018) “The Public’s Interpretation of Scientific Consensus” Paper and panel presentation at the Fiftieth Anniversary of the First Biennial Meeting of the Philosophy of Science Association, Seattle, WA
- (3) **Huxster, Joanna** and Matthew Slater. (February 2018) “Understanding and Responding to Climate Change Denial” Panel presentation at the 2018 Annual Meeting of the American Academy for the Advancement of Science, Austin, TX.
- (4) **Huxster, Joanna**, Matthew Slater, Julia Bresticker*, and Victor LoPiccolo*. (February 2017) “Scientific Literacy & Trusting the Scientific Enterprise” Panel presentation at the 2017 Annual Meeting of the American Academy for the Advancement of Science, Boston, MA.
- (5) Bresticker, Julia*, Victor LoPiccolo*, **Joanna Huxster**, and Matthew Slater. (February 2017) “The Effectiveness of Different Skeptical Challenges for Modifying Belief” Poster presented at the 2017 Annual Meeting of the American Academy for the Advancement of Science, Boston MA.
- (6) Slater, Matthew, **Joanna Huxster**, and Julia Bresticker*. (November 2016) “Understanding and Trusting Science” Paper and panel presentation at the Twenty-Fifth Biennial Meeting of the Philosophy of Science Association, Atlanta, GA.
- (7) Hopkins, Melissa*, Julia Bresticker*, Nicolas Diaz*, Nate Aspinall*, Jeff Bergman*, Victor LoPiccolo*, Caroline McGlynn*, Mack Jones* and **Joanna Huxster**. (February 2016) “Can You Succeed in Science Without Knowing You’re Trying? The Effect of Priming Intellectual Virtues on Individual Effort and Understanding” Poster presented at the 2016 Annual Meeting of the American Academy for the Advancement of Science, Washington D.C.

- (8) Victor LoPiccolo*, Jeff Bergman*, Mack Jones*, Caroline McGlynn*, Nicolas Diaz*, Nate Aspinall*, Julia Bresticker*, Melissa Hopkins*, and **Joanna Huxster**. (February 2016) “The Use and Abuse of “Understanding” in Public Understanding of Science” Poster presented at the 2016 Annual Meeting of the American Academy of the Advancement of Science, Washington D.C.
- (9) **Huxster, Joanna K.** (November 2013) “Undergraduate Cultural Models of Climate Change: A mixed methods analysis” Panelist presentation for session The Future of Research on Cultural Models at the 112th Annual Meeting of the American Anthropological Association, Chicago, IL.
- (10) **Huxster, Joanna K.**, and Ximena Uribe-Zarain (April 2013) “Undergraduate Understanding of Climate Change: Influences of Major and Environmental Group Membership on Knowledge Scores” Stand Alone Paper and Oral Presentation at the Annual Conference of the National Association for Research in Science Teaching, San Jose, Puerto Rico.
- (11) **Huxster, Joanna K.**, and Ximena Uribe-Zarain (January 2013) “Student Understanding of Climate Change: Undergraduate Survey Knowledge Scores and Environmental Issue Confusion” Oral Presentation at the 93rd Annual Conference of the American Meteorological Society, Austin, TX.

Lectures, Symposia, and Workshops

- 2023 **Panelist** for the **Poynter Institute** “An Evening with Denis Phillips” The Straz, Tampa, FL
- 2023 **Panel Moderator** for **Planet Forward Summit** “Advocating your Story,” Washington, DC
- 2023 **Workshop leader** for **Planet Forward Summit** “Cli-Fi: Communicating Climate Futures through Climate Change Fiction and Film” Washington, DC
- 2022 **Panelist** for **NSF US & Japan Smart and Connected Communities** virtual summit on COVID-19
- 2022 **Symposium Moderator** “The Philosophy of Science Journalism” Symposium at the Twenty-eighth Biennial Meeting of the Philosophy of Science Association, Pittsburgh, PA
- 2021 **Presenter** with Dan Xie at the **Association for the Advancement of Sustainability in Higher Education’s Global Conference on Sustainability in Higher Education**, virtual, October 2021
- 2020 **Panelist** for **Planet Forward Summit**, “How Media Frames the Climate Emergency,” Washington, DC, 2020 *Cancelled due to COVID19*
- 2019 **Keynote Speaker** for **Sea Level Rise Up: Realities and Opportunities Conference** by SPC Institute for Strategic Policy Solutions, Seminole, FL, 2019
- 2019 **Panelist** for **Planet Forward: Climate Change in the Sunshine State**, Eckerd College, St. Petersburg, FL, 2019
- 2019 **Invited Speaker** for the **West Central Florida Chapter of the American Meteorological Society**, Dale Mabry Campus of Hillsborough Community College, Tampa, FL, 2019
- 2018 **Keynote Speaker** at the **Sustainable Communities Workshop**, Sarasota County Government, Sarasota, FL, 2018
- 2018 **Invited Speaker** at the **Climate Action 2018 Florida State Conference**, Citizen’s Climate Lobby, University of South Florida, Tampa, FL
- 2018 **Invited Speaker** at the **Unitarian Universalists Church of Sarasota**

- 2018 **Invited Speaker** for **Florida Veterans for Common Sense**, Sarasota, FL
- 2017 **Workshop Panelist** for **Union of Concerned Scientists Climate Change Communication Workshop**, Bradenton, FL
- 2016 **Workshop Instructor** for “Talking Beyond the Choir”, Susquehanna Valley Climate Action Network (SVCAN), Lewisburg, PA

Conference and Professional Meeting Posters

**Undergraduate student I supervised*

- (1) Scholfield, Emily, **Joanna Huxster**, and Matthew Slater (January 2021) “Public Rationale for Mask Wearing Behavior for COVID-19 Prevention” Poster presented at the 2021 Annual Meeting of the American Association for the Advancement of Science, Virtual.
- (2) Holloman, Laurel*, and **Joanna Huxster**. (June 2020) “The Climate’s Last Hope: Testing Effective Frames and Messengers For Communicating Climate Change” Poster accepted for the 2020 AESS Environmental Advocacy Symposium, New York, NY. *Cancelled due to COVID-19.*
- (3) Bresticker, Julia*, Victor LoPiccolo*, **Joanna Huxster**, and Matthew Slater. (February 2017) “The Effectiveness of Different Skeptical Challenges for Modifying Belief” Poster presented at the 2017 Annual Meeting of the American Association for the Advancement of Science, Boston MA.
- (4) Hopkins, Melissa*, Julia Bresticker*, Nicolas Diaz*, Nate Aspinall*, Jeff Bergman*, Victor LoPiccolo*, Caroline McGlynn*, Mack Jones* and **Joanna Huxster**. (February 2016) “Can You Succeed in Science Without Knowing You’re Trying? The Effect of Priming Intellectual Virtues on Individual Effort and Understanding” Poster presented at the 2016 Annual Meeting of the American Association for the Advancement of Science, Washington D.C.
- (5) Victor LoPiccolo*, Jeff Bergman*, Mack Jones*, Caroline McGlynn*, Nicolas Diaz*, Nate Aspinall*, Julia Bresticker*, Melissa Hopkins*, and **Joanna Huxster**. (February 2016) “The Use and Abuse of “Understanding” in Public Understanding of Science” Poster presented at the 2016 Annual Meeting of the American Association of the Advancement of Science, Washington D.C.

Teaching

Courses

- ES 172 Introduction to Environmental Studies, 2017-2024, Eckerd College
- ES 375 Environmental Communication, 2017-2024, Eckerd College
- ES 475 Climate Change Communication, 2018-2023, Eckerd College
- BE331 Science Communication and Public Engagement, 2023, Eckerd College
- WT 2/8E Climate Futures in Fiction and Film, 2019-2023, Eckerd College
- AT14 Is there a “War on Science?”, 2021, Eckerd College
- FD 181/182 Human Experience (Gen Ed), 2021-22, Eckerd College
- FD 410 Imagining Justice (Gen Ed), 2024, Eckerd College
- ES 490 Independent Studies: Applied Environmental Communication in Sri Lanka, 2020, Applied Anthropological Communication: Environment and Culture of the Salish Sea, 2021, Eckerd College

WT 4E	Environmental Internship Course, 2020, Eckerd College
UNIV 200	Climate Change Science and Society, 2017, Bucknell University
ENST 100	Introduction to Environmental Studies, 2016, Bucknell University
ENV106L	Exploring the Earth, 2014-2015, St. Joseph's University
BIO165L	Exploring the Living World, 2015, St. Joseph's University

Additional Professional Training

2020	Anti-racism in Teaching Workshop , Eckerd College
2020	Block Teaching Workshop , Eckerd College
2016	Course Design and Pedagogy Workshop , Teaching and Learning Center, Bucknell University
2016	Integrated Perspectives Course Design Workshop , Teaching and Learning Center, Bucknell University

Professional Service

- Guest Editor, Science Communication Desk, *Frontiers in Communication*
- Ad-hoc Reviewing: Journals
 - *Environmental Education Research, Risk Analysis, Environmental Studies and Sciences, Environmental Politics Journal, Public Understanding of Science, SAGEopen, Nature Climate Change, Sociological Forum, International Journal of Public Opinion Research, Science Communication, Frontiers in Communication, Journal of Elections, Public Opinions, and Parties*
- Ad-hoc Reviewing: Grants
 - National Science Foundation

Service to College and Department

2024- 2026	Faculty Observer to the Board of Trustees
2022- 2023	Resiliency Planning Committee
2023- 2023	Environmental Studies Discipline Coordinator
2022 - 2023	Music Faculty Search Committee
2021- Present	Campus Comprehensive Planning Committee
2021 - 2022	Spanish Faculty Search Committee
2021 - 2022	Marine Science Faculty Search Committee
2021 - 2022	Environmental Studies Faculty Search Committee
2020 - Present	Environmental Justice Plenary Lecture, Imagining Justice
2020 - 2022	Co-Chair, Environmental Affairs Committee
2018- 2019	Environmental Affairs Committee Member
2017 - 2018	Environmental Studies Faculty Search Committee

Media Coverage, Quotes, and Appearances

2025 February 7	Shellphone: A Breach the Surface Podcast	Climate Fiction and Futures with Prof. Jo Huxster
2023 July 11	ABC Action News – Tampa Bay	Heavy rainfall, symptom of climate change in Florida
2022 November 10	WEDU PBS	Public Square: Climate Change
2022 April 22	Tampa Bay Times	Climate change also affects mental health. Call it eco-anxiety
2022 April 20	Customer Engagement Lab Podcast	Fix your communication for better results: Learning from an environmentalist
2020 October 1	The Planet Forward Podcast	How to we find hope?
2019 September	Laphram’s Quarterly	Out of Time: Listening to the climate’s clock
2017 November 6	NPR Science Blog	What’s your (Epistemic) Relationship to Science?
2017 October 21	SoulPancake – Earth Your While	COW BURPS! And How Vegans Save the Environment
2017 May 2	WissenschaftsKommunikation.DE	What’s the relationship between understanding science and trusting it?
2017 April 25	The Academic Minute	Partisan Impact on Climate Change Perception