

Carol L. Goldsmith

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Education

Master of Public Affairs, Environmental Policy, 1988; Lilly Community Development Assistance Fellow 1986-1988; School of Public and Environmental Affairs; Indiana University; Bloomington, IN
Bachelor of Arts, Environmental Management, cum laude, 1985; Pomona College; Claremont, CA

Research Interest

Science and Technology Policy, Environmental Policy, Environmental Health Policy, Risk and Benefit Perceptions, Trust

Research Positions

11/2025-present Research Specialist IV and Associate Director, Institute for Science, Technology and Public Policy; Bush School of Government and Public Service; Texas A&M University; College Station, TX

9/2023-10/2025 Research Specialist III and Associate Director, Institute for Science, Technology and Public Policy; Bush School of Government and Public Service; Texas A&M University; College Station, TX

9/2021–8/2023 Research Specialist II and Assistant Director, Institute for Science, Technology and Public Policy; Bush School of Government and Public Service; Texas A&M University; College Station, TX

8/2018–2021 Senior Research Associate and Assistant Director, Institute for Science, Technology and Public Policy; Bush School of Government and Public Service; Texas A&M University; College Station, TX

2015–7/2018 Senior Research Associate and Institute Manager, Institute for Science, Technology and Public Policy; Bush School of Government and Public Service; Texas A&M University; College Station, TX

2014–2015 Research Associate, Institute for Science, Technology and Public Policy; Bush School of Government and Public Service; Texas A&M University; College Station, TX

2012–2014 Research Assistant, Institute for Science, Technology and Public Policy; Bush School of Government and Public Service; Texas A&M University; College Station, TX

Publications:

Grover, Himanshu, Arnold Vedlitz, Samuel Brody, Kayode O. Atoba, Carol Goldsmith, and Rotem Dvir. "Indirect experiences and storm risk perceptions: Case study–Texas, United States." *Science of The Total Environment* 1001 (2025): 180491. (Early view available online)

Buchman, Leah W., Carol L. Goldsmith, Elizabeth Heitman, Ki Eun Kang, and Xinsheng Liu. "Public Trust in Regulatory Agencies and Support for Policies on Agricultural Gene Drive." *Review of Policy Research*, 42, no. 1 (2025): 29-49.

Liu, Xinsheng, Carol L. Goldsmith, Ki Eun Kang, Arnold Vedlitz, Zach Adelman, Leah W. Buchman, Elizabeth Heitman, and Raul Medina. "General Science – Technology Orientation, Specific Benefit – Risk Assessment Frame, and Public Acceptance of Gene Drive Biotechnology." *Risk Analysis* 44, no. 6 (2024): 1381-1395.

Kang, Ki Eun, Arnold Vedlitz, Carol L. Goldsmith, and Ian Seavey. "Optimism and Pessimism Towards Science: A New Way to Look at Public's Evaluations of Science and Technology Discoveries and Recommendations." *Politics and the Life Sciences* 42, no. 22 (2023): 1-20.

Dvir, Rotem, Carol Goldsmith, Ian Seavey, Arnold Vedlitz, Julie Hammett, Samuel Bonet, Arjun Rao, Karim Zahed, and Farzan Sasangohar. "The Policy Environment of Remote Patient Monitoring: Evaluating Stakeholders' Views." *International Journal of Healthcare Technology and Management* 20, no. 3 (2023): 249-275.

Dvir, Rotem, Carol Goldsmith, Ian Seavey, and Arnold Vedlitz. "Local-level Managers' Attitudes Towards Natural Hazards Resilience: The Case of Texas." *Environmental Hazards* 22, no. 3 (2022): 1-21.

Goldsmith, Carol L., Ki Eun Kang, Elizabeth Heitman, Zach N. Adelman, Leah W. Buchman, David Kerns, Xinsheng Liu, Raul F. Medina, and Arnold Vedlitz. "Stakeholder Views on Engagement, Trust, Performance, and Risk Considerations About Use of Gene Drive Technology in Agricultural Pest Management." *Health Security* 20, no. 1 (2022): 6-15.

Wowk, Kateryna, Yuriy Fofanov, Cornelis Elferink, George Golovko, Arnold Vedlitz, Carol Goldsmith, Phil Berke, Jaimie Masterson, Matthew Malecha, Tracy Hester, Alfonso Lopez de la Osa Escribano. Corporate Authors(s): Texas Sea Grant at Texas A&M University, Texas ONEGULF Center of Excellence, Harte Research Institute for Gulf of Mexico Studies, Texas OneGulf RESTORE Center of Excellence: Hurricane Harvey Decision-Support-Resilient Environments and Communities. 2020. <https://repository.library.noaa.gov/view/noaa/38680>

Brown, Stephanie, Carol L. Goldsmith, Lisa Halperin, Kimberly Winarski, and Arnold Vedlitz. 2020. *Role of Coastal Bend Organizational Stakeholders in Regional Recovery and Resilience Efforts*. Institute for Science, Technology and Public Policy in the Bush School of Government and Public Service Texas A&M University, College Station, TX. <https://oaktrust.library.tamu.edu/handle/1969.1/188540>

Portney, Kent E., Bryce Hannibal, Carol Goldsmith, Peyton McGee, Xinsheng Liu, and Arnold Vedlitz. "Awareness of the Food–Energy–Water Nexus and Public Policy Support in the United States: Public Attitudes Among the American People." *Environment and Behavior* 50, no. 4 (2018): 375-400.

Stoutenborough, James W., Robert Nicholas Fette, Arnold Vedlitz, and Carol L. Goldsmith. "Understanding the Communication of Climate Change Risk: Climate Scientists' Perspectives of Media Sources and Policy Makers." *Risk, Hazards & Crisis in Public Policy* 5, no. 4 (2014): 365-384.

Academic Conference Papers

Cope, Esme, Rotem Dvir, Carol L. Goldsmith, Arnold Vedlitz, Elizabeth Heitman, and Zach N. Adelman. 2025. "Public Perception of Gene Drive Research in Terms of Temporary vs. Permanent Potential." Paper presented at the annual conference of the International Society for Biosafety Research, Ghent, Belgium.

Goldsmith, Pat Rubio & Carol L. Goldsmith. 2025. "Is Baseball a "rich" kid sport or a "white" kid sport? Race, Class, and High School Athletic Performance in Baseball, Basketball, and Football." Paper presented at annual conference of the International Sociology of Sport Association World Congress of Sociology of Sport, Seoul, South Korea.

Liu, Xinsheng, Carol L. Goldsmith, Ki Eun Kang, Arnold Vedlitz, Zach N. Adelman, Leah W. Buchman, Elizabeth Heitman, and Raul F. Medina. 2022. "General Science Orientation, Specific Assessment Frame, and Public Response to Gene Drive Biotechnology." Paper presented at annual conference of the Midwest Political Science Association, Chicago, Illinois.

Portney, Kent E., Bryce Hannibal, Carol L. Goldsmith, Peyton McGee, Xinsheng Liu, and Arnold Vedlitz. 2016. *Cognitive Awareness of the Food-Energy-Water Nexus: Ideological and Policy Perspectives*. Paper presented at the 112th annual meeting of the American Political Science Association, Philadelphia, Pennsylvania.

Hannibal, Bryce, Kent E. Portney, Carol L. Goldsmith, Peyton McGee, Xinsheng Liu, and Arnold Vedlitz. 2016. *Cognitive Awareness of the Water-Energy-Food Nexus in the US: Public Attitudes among the American People*. Paper presented at the 111th annual meeting of the American Sociological Association, Seattle, Washington.

Willard, Daniel E., Jeffrey A. Willis, and Carol L. Hillegeist (Goldsmith). 1988. "Regional-scale Impacts from Using Agricultural Wastewater for Wildlife Refuges." In *Proceedings of the National Symposium on Protection of Wetlands from Agricultural Impacts, Biological Report*, 88(16): 47–54.

Projects and Sponsored Research

A Multipurpose Toolset for Reducing Flood Risk and Understanding Future Water Supplies in the Leon River Watershed and Cowhouse Creek Watershed. Texas General Land Office. Total award: \$3,922,037. 11/04/2024 – 11/30/2027. Research Technician and Project Manager. Dr. Srinivasan Raghavan, PI.

Exploring the Nexus of CLimate ChangE and AiR Quality (CLEAR). Competitive Internal Research Award. Internal competitive award from VPR. Total award: \$200,000. 08/2023 – 08/2025.

Research Technician. Dr. Renyi Zhang, PI.

NSF Convergence Accelerator Track G: PETS: Programmable Zero-Trust Security for Operating Through 5G Infrastructure. National Science Foundation 22—538 NSF Convergence Accelerator 2022 Joint NSF/DOD Phases 1 and 2 for Track G: Securely Operating Through 5G Infrastructure. Total Award \$750,000. 07/15/2022 – 06/30/2023. Research Technician. Dr. Guofei Gu, PI.

Texas A&M Center for Environmental Health Research, renewal. National Institute of Environmental Health Science. Total award: \$7,661,165. 04/01/2025 – 03/31/2029. Research Technician. Dr. Weston Porter, PI.

Texas A&M Center for Environmental Health Research. National Institute of Environmental Health Science. Total award: \$7,462,922. 05/01/2019 – 03/31/2024. Research Technician. Dr. David Threadgill, PI.

CRISP 2.0 Type 2: Anatomy of Coupled Human-Infrastructure Systems Resilience to Urban Flooding: Integrated Assessment of Social, Institutional, and Physical Networks. National Science Foundation. Total award: \$2,000,000. 01/01/2019 – 12/31/2022. Research Technician. Dr. Ali Mostafavidarani, PI.

Center of Excellence Grant: Hurricane Harvey Decision-Support – Resilient Environments and Communities. Texas Commission on Environmental Quality through Texas A&M Corpus Christi Texas OneGulf. Total award: \$470,265. 11/16/2018 – 1/30/2020. Research Technician and Project Manager. Dr. Katya Wowk, PI.

Gene Drive Applications to Agriculture in Texas: Knowledge, Perceptions, and Values. National Institute of Food and Agriculture, Agriculture and Food Research Initiative, U.S. Department of Agriculture. Total award: \$497,397. 03/15/2018 – 03/04/2021. Research Technician and Project Manager. Dr. Arnold Vedlitz and Kent E. Portney, PI.

Assessment of Risks and Vulnerability in Coupled Human-Physical Networks of Houston's Flood Protection, Emergency Response, and Transportation Infrastructure in Harvey. National Science Foundation, RAPID. Total award: \$188,873. 10/15/2017 – 09/30/2018. IRB Study Coordinator. Dr. Ali Mostafavidarani, PI.

Precise Advanced Technologies and Health Systems for Underserved Populations (PATHS-UP). National Science Foundation, Engineering Research Center. 10/01/2017 – 09/30/2022. Total award: \$19,750,000. Research Technician. Dr. Gerard L. Cote, PI.

Six-Wave Lone Wolf Terrorism Risk Perception Survey. Internally funded by the Institute for Science, Technology and Public Policy in the Bush School of Government and Public Service, Texas A&M University. 06/2016 – 11/2016. Research Technician and Project Manager. Dr. Kent E. Portney, PI.

Risk Perception, Threat, and Anxiety Decay in Lone-Wolf Terrorist Events in the U.S. National Science Foundation, RAPID. Total award: \$186,016. 03/01/2016 – 02/28/2018. Research

Technician and Project Manager. Dr. Kent E. Portney, PI.

National and Texas Water-Energy-Food Nexus Public Opinion Survey. Area 41, Texas A&M University System. 2015. Total award: \$30,000. Research Technician and Project Manager. Dr. Kent E. Portney, PI.

National Public Climate Change Survey. Internally funded by the Institute for Science, Technology and Public Policy in the Bush School of Government and Public Service, Texas A&M University. 2013. Research Technician and Project Manager. Dr. Arnold Vedlitz, PI.

An Examination of Water Policy in the U.S. Texas Sea Grant Program and Office of the Vice President for Research, Texas A&M University. 2012–2014. Total award: \$45,000. Research Technician. Dr. Arnold Vedlitz, PI.

An Examination of Energy Policy in the U.S. Chrisman Institute. 2012. Total award: \$50,000. Research Technician. Dr. Arnold Vedlitz, PI.

Professional and Administrative Positions

2010-2012	Employment Support Specialist; Goodwill Industries of Southeastern Wisconsin; Kenosha, WI
2005–2010	Resource Department Head; Student Resource Center; Saint Joseph High School and Junior High; Kenosha, WI
2004-2005	Resource Instructor; Student Resource Center; Saint Joseph High School and Junior High; Kenosha, WI
2002-2004	Resource Aide; Student Resource Center; Saint Joseph High School and Junior High; Kenosha, WI
2001-2002	Elementary School Substitute Teacher; Kenosha Unified School District; Kenosha, WI
2000–2001	Adjunct Instructor, Department of Sociology and Anthropology; College of Social Sciences and Professional Studies; University of Wisconsin-Parkside; Parkside, WI
1998–1999	Health, Safety, and Environmental Team Leader; Allied Signal Aerospace; Tucson, AZ
1996–1998	Environmental Programs Compliance Team Leader; Raytheon (Hughes Missile Systems Company prior to 1997); Tucson, AZ
1990–1996	Safety, Health, and Environmental Affairs Engineer Specialist; Hughes Missile Systems Company; Tucson, AZ
1988-1990	Environmental Regulations Analyst; Dames & Moore; Tucson, AZ

University Teaching Experience

2001, Spring	Environment and Society, SOCA 379 University of Wisconsin - Parkside,
2000, Fall	Contemporary Social Problems, SOCA 102 University of Wisconsin - Parkside

Recognitions and Awards

2017 Outstanding Staff Award, The Bush School of Government and Public Service, Texas A&M University

Professional Service Activities

- 2016–Present Staff Representative and Grant Reviewer, Aggie Green Fund Advisory Committee, Texas A&M University; College Station, TX
- 2016–Present ISTPP Representative, Proposal Developers’ Group, Research Development Services, Division of Research, Texas A&M University; College Station, TX
- 2016–2019 ISTPP Representative, Business Advisory Committee, Bush School of Government and Public Service, Texas A&M University; College Station, TX
- 2015 Member, Selection Committee for Association of Former Students Distinguished Achievement Award in Graduate Mentoring, Texas A&M University; College Station, TX
- 1993-1998 Member, Environment, Land Use and Transportation Committee; Tucson Chamber of Commerce; Tucson, AZ
- 1992-1995 Chair of Legislation and Regulations Committee, Co-Chair of RCRA Seminar Committee, and Secretary, respectively, of Southern Arizona Environmental Management Society; Tucson, AZ

Community Service Activities

- 2017–2020 Member Board of Directors, Brazos Interfaith Immigration Network; Bryan, TX
- 2013–2021 Facilitator/Instructor, U.S. Citizenship Classes for Brazos Interfaith Immigration Network; Bryan, TX