

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, Environmental Injustice, Risk and Benefit Perceptions, and Trust in Science, Scientists, and Regulatory Agencies,

Research Positions

9/2021–present 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:

Goldsmith, Carol L., Ki Eun Kang, Elizabeth Heitman, Zach N. Adelman, Leah Buchman, David Kerns, Xincheng Liu, Raul F. Medina, and Arnold Vedlitz. 2022. "Stakeholder Views on Engagement, Trust, Performance, and Risk Considerations about Use of Gene Drive Technology in Agricultural Pest Management." *Health Security*, 20(1): 6-15.
<https://doi.org/10.1089/hs.2021.0101>

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 L. Goldsmith, Peyton McGee, Xinsheng Liu, and Arnold Vedlitz. 2017. "Awareness of the Food-Energy-Water Nexus and Public Policy Support in the United States: Attitudes among the American People." *Environment & Behavior*, 50(4): 375–400. <https://doi.org/10.1177%2F0013916517706531>

Stoutenborough, James W., Robert Nicholas Fette, Arnold Vedlitz, and Carol L. Goldsmith. 2014. "Understanding the Communication of Climate Change Risk: Climate Scientists' Perspectives of Media Sources and Policy Makers." *Risk, Hazards & Crisis in Public Policy*, 5(4): 365–384. <https://doi.org/10.1002/rhc3.12066>

Manuscripts Under Review

Kang, Ki Eun, Arnold Vedlitz, Carol L. Goldsmith, and Ian Seavey. "Optimism and Pessimism towards Science: A New Way to Look at Citizen's Evaluations of Science and Technology Discoveries and Recommendations."

Dvir, Rotem, Carol L. Goldsmith, Ian Seavey, and Arnold Vedlitz. "Local-level Managers' Attitudes towards Natural Hazards Resilience: The Case of Texas."

Dvir, Rotem, Carol L. Goldsmith, Michael Migaud, Ian Seavey, Arnold Vedlitz, Julie Hammett, Samuel Bonet, Arjun H. Rao, Karim Zahed, and Farzan Sasangohar. "The Policy Environment of Remote Patient Monitoring: Evaluating Stakeholders' Views."

Manuscripts in Preparation

Liu, Xinsheng, Carol L. Goldsmith, Ki Eun Kang, Arnold Vedlitz, Zach Adelman, Leah W. Buchman, Elizabeth Heitman, and Raul Medina. "General Science and Technology Orientation, Specific Assessment Frame, and Public Response to Gene Drive Biotechnology."

Buchman, Leah W., Ki Eun Kang, Carol L. Goldsmith, and Arnold Vedlitz. "Regulatory Agency Trust and Public Support for Agriculture Gene Drive Policies."

Kang, Ki Eun, Arnold Vedlitz, Ian Seavey, Carol L. Goldsmith, Rotem Dvir, Xinsheng Liu, and Garrett T. Sansom. "The Underlying Complexity of Political Partisanship and Views of Science."

Goldsmith, Carol L., Ki Eun Kang, and Arnold Vedlitz. "Environmental Injustice, Social Vulnerability, Perceptions of Infrastructure Reliability and Support for Public Policies."

Academic Conference Papers

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, WA.

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

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

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| 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–Present Facilitator/Instructor, U.S. Citizenship Classes for Brazos Interfaith Immigration Network; Bryan, TX