

Garett Thomas Sansom, DrPH, MPH

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EXPERIENCE

2024 – Present	Texas A&M University, Interdisciplinary Program in Toxicology, College Station, TX. <i>Faculty Member / Assistant Professor</i>
2022 – Present	Texas A&M University, School of Public Health Environmental and Occupational Health Department, College Station, TX. <i>Assistant Professor</i>
2018 – 2022	Texas A&M University, School of Public Health Environmental and Occupational Health Department, College Station, TX. <i>Research Assistant Professor</i>
2017 – 2020	Texas A&M University, College of Architecture Landscape Architecture and Urban Planning, College Station, TX. <i>Professor of Record</i>
2016 – 2018	Texas A&M University, Institute for Sustainable Communities, Office of the Provost, College Station, TX. <i>Associate Director</i>
2013 – 2016	Texas A&M University, Resilience and Climate Change Cooperative Initiative, College Station, TX. <i>Graduate Assistant Researcher</i>
2013 – 2013	Texas State University, Meadows Center for Water and the Environment, San Marcos, TX. <i>Grants Specialist</i>
2012 – 2015	Texas A&M University, School of Public Health Epidemiology and Biostatistics Department College Station, TX. <i>Graduate Teaching Assistant</i>

EDUCATION

Texas A&M School of Public Health, College Station TX (2016-2018) *Postdoctoral Researcher*

- Advisor: Jennifer Horney, PhD
- Topic: Disaster and Environmental Vulnerability Project

Texas A&M School of Public Health, College Station TX (2013-2016) Doctor of Public Health (DrPH) – Epidemiology and Environmental Health

Texas A&M School of Rural Public Health, College Station TX (2010-2012) Master's in Public Health (MPH) – Epidemiology

Harvard University, Cambridge MA (2008-2009)
Continuing Education in Health Careers

St. Edward's University, Austin TX (2002-2006)
Bachelor of Arts in Philosophy *Cum Laude*

RESEARCH

Fellowships & Awards

- 2024 **Operation Border Health Preparedness** - Excellence in IPE Collaboration Award
- 2023 **Center for Health and Nature**. Texas A&M University - *Faculty Fellow*
- 2019 **The National Academies of Sciences Engineering and Medicine (NASEM)**. Gulf Research program – Early-Career *Research Fellow*
- 2018 **The Institute for Science, Technology, and Public Policy (ISTPP)**. Bush School of Government & Public Service Texas A&M University - *Research Fellow*
- 2018 **Institute for Sustainable Communities**. Texas A&M University, Lead for Health and Environmental
- 2016 **The Hazard Reduction and Recovery Center (HRRC)**. College of Architecture Texas A&M University - *Research Fellow*
- 2016 **Water Energy Food Nexus Research Group**. Texas A&M University - *Research Fellow*

Peer-Reviewed Publications

* Indicates co-author is a student at the time of manuscript submission

37. *Hasan, N. T., Han, D., Xu, X., **Sansom, G.**, & Roh, T. (2024). Relationship between low-level arsenic exposure in drinking water and kidney cancer risk in Texas. *Environmental Pollution*, 363, 125097.
36. *Hasan, N. T., Xu, X., Han, D., **Sansom, G.**, & Roh, T. (2024). Association between urinary arsenic levels and kidney damage in US adults: NHANES 2007–2018. *Journal of Trace Elements in Medicine and Biology*, 86, 127559.
35. Fawkes, L. S., Roh, T., McDonald, T. J., Horney, J. A., Chiu, W. A., & **Sansom, G. T.** (2024). Using the 12-item short-form health survey (SF-12) to evaluate self-rated health in an environmental justice community. *Archives of Public Health*, 82(1), 186.
34. Fawkes, L. S., Chiu, W. A., Roh, T., McDonald, T. J., & **Sansom, G. T.** (2024). Human health risk assessment of heavy metals in residential soil—Houston, Texas. *Journal of Exposure Science & Environmental Epidemiology*, 1-5.
33. *Hillin, J. *Canada, A. Fawkes, L. Thompson, C. **Sansom, G.** (2024) Spatial Investigation of Legacy Pollutants Within a Confirmed Cancer Cluster in Three Houston Neighborhoods. Springer, Water, Air, & Soil Pollution.
32. **Sansom, G.** *Fawkes, L. Sansom, L. Thompson, C. *Glanzer, A. *Losa, L. Dixon, B. (2024) Assessing Self-Rated Physical Health Scores Following Repeat Exposure to Anthropogenic and Natural Hazards in Houston, TX. *Disaster Medicine and Public Health Preparedness*
31. *Rivenbark, K. J., Fawkes, L. S., Nikkhah, H., Wang, M., **Sansom, G. T.**, Beykal, B., ... & Phillips, T. D. (2024). Using *L. minor* and *C. elegans* to assess the ecotoxicity of real-life contaminated soil samples and their remediation by clay-and carbon-based sorbents. *Environmental Pollution*, 123762.
30. **Sansom, G. T.**, *Hernandez, R., *Johnson, J. N., Newman, G., Atoba, K., Masterson, J. H., ... & Fawkes, L. S. (2023). Evaluating the impact of proximity to reported toxic release facilities and

flood events on chronic health outcomes in the city of Galena Park, Texas. *Climate Risk Management*, 40, 100507.

29. Atoba, K., Newman, G., & **Sansom, G.** (2023). Multi-Hazard property buyouts: Making a case for the acquisition of flood and contaminant-prone residential properties in Galena Park, TX. *Climate Risk Management*, 41, 100529.

28. Chang, S. Wilkho, R. Gharaibeh, N. **Sansom, G.** Meyer, M. Olivera, F. Zou, L. (2023) Environmental, climatic, and situational factors influencing the probability of fatality or injury occurrence in flash flooding: a rare event logistic regression predictive model. *Natural Hazards* <https://doi.org/10.1007/s11069-023-05845-x>

27. **Sansom, G. T.**, *Fawkes, L. S., Thompson, C. M., * Losa, L. M., McDonald, T. J., & Chiu, W. A. (2023). Cancer risk associated with soil distribution of polycyclic aromatic hydrocarbons within three environmental justice neighborhoods in Houston, Texas. *Environmental Geochemistry and Health*, 1-10.

26. *Fawkes L, McDonald TJ, Roh T, Chiu WA, Taylor RJ, **Sansom GT.** (2022) A Participatory-Based Research Approach for Assessing Exposure to Lead-Contaminated Drinking Water in the Houston Neighborhood of the Greater Fifth Ward. *Intl J Environ Res Public Health*, 19:13

25. Newman, G., **Sansom, G. T.**, Yu, S., Kirsch, K. R., Li, D., Kim, Y., & Musharrat, S. (2022). A Framework for Evaluating the Effects of Green Infrastructure in Mitigating Pollutant Transfer and Flood Events in Sunnyside, Houston, TX. *Sustainability*, 14(7), 4247.

24. *Sarnosky, K. Benden, M. **Sansom, G.** Cizmas, L. Regan, A. Impact of Workplace Displacement During a Natural Disaster on Computer Performance Metrics: A 2-year Interrupted Time Series Analysis. *Journal Work* (2022) 1 – 6

23. **Sansom, G.**, Thompson, C., Sansom, L. *Fawkes, L., *Boerlin, E. Compounding impacts of hazard exposures on mental health in Houston, TX. *Natural Hazards* (2022). <https://doi.org/10.1007/s11069-021-05158-x>

22. Schneider, S. M., **Sansom, G.**, Guo, L. J., Furuya, S., Weeks, B. R., & Kornegay, J. N. Natural History of Histopathologic Changes in Cardiomyopathy of Golden Retriever Muscular Dystrophy. *Frontiers in Veterinary Science*, February (2022) | <https://doi.org/10.3389/fvets.2021.759585>

21. Prybutok, S. Newman, G. Atoba, K. **Sansom, G.** Tao, Z. “Combining Co\$ting Nature and Suitability Modeling to Identify High Flood Risk areas in Need of Nature-Based Services.” *Journal Land*, (2021) 10(8), 853.

20. *Fawkes, L. **Sansom, G.** “Preliminary Study of Lead-Contaminated Drinking Water in Public Parks—An Assessment of Equity and Exposure Risks in Two Texas Communities.” *Int. J. Environ. Res. Public Health* (2021) 18(12), 6443.

19. Woodruff, S., Bowman, A. O. M., Hannibal, B., **Sansom, G.**, & Portney, K. “Urban resilience: Analyzing the policies of US cities.” *Cities*, (2021) 115, 103239.

18. *Sarnosky, K., Benden, M., Cizmas, L., Regan, A., & **Sansom, G.** “Remote Work and the Environment: Exploratory Analysis of Indoor Air Quality of Commercial Offices and the Home Office.” *International Journal of Env. Mon. and Analysis*. (2021) ISSN Print: 2328-7659

17. **Sansom, G.** Hannibal, B. "Disparate Access to Nutritional Food; Place, Race and Equity in the United States." *BMC Nutrition* 7, 29 (2021). <https://doi.org/10.1186/s40795-021-00434-2>
16. **Sansom, G.** Kirsch KR, Casillas GA, Camargo K, Wade TL, Knap AH, Baker ES, Horney JA. "Spatial distribution of polycyclic aromatic hydrocarbons concentrations after Hurricane Harvey in a Houston Neighborhood." *Journal of Health and Pollution* (2021) 11 (29): 210308
15. *Fawkes, L. *Gonzales, B. *Klumb, K. *Yeboah-Agyapong, C. **Sansom, G.** "Determination of the Presence and Concentration of Heavy Metals Found in Crumb Rubber Mulch in Bryan– College Station Metropolitan Area Parks." *Texas Journal of Public Health* (2021) ISSN: 2574-5840
14. **Sansom, G.** *Aarvig, K. Sansom, L. Thompson, L. *Fawkes, L. *Katare, A. "Understanding Risk Communication and Willingness to Follow Emergency Recommendations Following Anthropogenic Disasters" *Journal of Environmental Justice: Special Issue: Hurricanes, Man-Made Disasters, and Environmental Injustice in the Gulf Coast* – (2020) ISSN: 1939-4071
13. **Sansom, G.**, *Kirsch, K., Horney, J. "Using the 12-item Short Form Health Survey (SF-12) to Assess Self Rated Health of an Engaged Population Impacted by Hurricane Harvey, Houston, TX." *BMC Public Health* (Springer Nature) - 20, 257 (2020). [https://doi.org/10.1186/s12889-020-](https://doi.org/10.1186/s12889-020-8349-) 8349-
12. Newman, G., Shi, T., Yao, Z., Li, D., **Sansom, G.**, Kirsch, K., & Horney, J. "Citizen Science-Informed Community Master Planning: Land Use and Built Environment Changes to Increase Flood Resilience and Decrease Contaminant Exposure." *International Journal of Environmental Research and Public Health*, 17(2), 486. 2020
11. **Sansom, G.** Cizmas, L. *Aarvig, K. *Dixon, B. Kirsch, K. Katare, A. Sansom, L. "Vulnerable Populations Exposed to Lead-Contaminated Drinking Water" *Int. J. Environ. Res. Public Health* 2019, 16(15), 2745; <https://doi.org/10.3390/ijerph16152745>
10. **Sansom, G.** Berke, P. McDonald, T. Shipp, E. Horney, J. "Evaluating the Impact of Race and Gender on Environmental Risk Perceptions in the Houston Neighborhood of Manchester." *Journal of Environmental Justice* – 2019 <https://doi.org/10.1089/env.2018.0028> (2019)
9. Masterson, J. Meyer, M. Newman, G. Hendricks, H. **Sansom, G.** Horney, J. Van Zandt, S. "Interdisciplinary Citizen Science and Design Projects for Hazard and Disaster Education" *International Journal of Mass Emergencies and Disasters* – (2019) VOL. 37, NO. 1
8. **Sansom, G.** Kirsch, K. Stone, K. McDonald, T. Horney, J. "Domestic Exposure to Polycyclic Aromatic Hydrocarbons in a Houston, Texas, Environmental Justice Neighborhood" *Journal of Environmental Justice*. Published in Volume: 11 of Issue 5: (2018) doi.org/10.1089/env.2018.0004
7. **Sansom, G.** *Stone, K. Horney, JA. "Investigating Injuries Seen in Area Physician Offices after a Fertilizer Plant Explosion" *Texas Journal of Public Health* (2018) ;70(3):28-30
6. Meyer, M. Hendricks, M. Horney, J. Berke, P. Masterson, J. Newman, G. **Sansom, G.** Cousins, T. Van Zandt, S. Cooper, J. "Participatory Action Research: Tools for Disaster Resilience Education" *International Journal of Disaster Resilience in the Built Environment*. Volume: 9 Issue: 4/5, 2018

5. Portney, K and **Sansom, G.** "Sustainable Cities and Healthy Cities: Are They the Same?" Journal of Urban Planning: special issue on Smart Solutions for Sustainable Cities – Vol 2, No 3 2017. DOI: <http://dx.doi.org/10.17645/up.v2i3.1018>
4. Portney, K. Vedlitz, A. **Sansom, G.** Berke, P. Daher, B. "Governance of the Water-Energy-Food Nexus: the Conceptual and Methodological Foundations for the San Antonio Region Case Study." Current Sustainable and Renewable Energy Reports - Springer 2017 doi: 10.1007/s40518-017-0077-1
3. **Sansom, G.**, Parra, J., Nieto, Y., Arellano, Y., Berke, P., McDonald, T., Shipp, E., & Horney, J. "The impacts of exposure to environmental risk on physical and mental health in a small geographic community in Houston, TX." Journal of Community Health 2017 pp. 1–6. doi: 10.1007/s10900-017-0322-y
2. **Sansom, G.**; Berke, P.; McDonald, T.; Shipp, E.; Horney, J. "Confirming the Environmental Concerns of Community Members Utilizing Participatory-Based Research in the Houston Neighborhood of Manchester." Int. J. Environ. Res. Public Health 2016, 13, 839
1. Trueblood, A. **Sansom, G.** "Are Fracking Sites Associated with Increased Motor Vehicle Crashes in Texas?" Texas Journal of Public Health 2015 Vol. 67 Issue 3

Manuscripts Under Review

3. Chang, S. Singh Wilkho, R. Gharaibeh, N. **Sansom, G.** Meyer, M. Olivera, F. Zou, L. "A Rare Event Logistic Regression Model for Predicting Probability of Fatality or Injury Occurrence in Flash Flood Events." International Journal of Disaster Risk Reduction
2. Dixon, B. Horney, J. McDonald, T. Xu, X. Aarvig, K. **Sansom, G.** "Utilizing the 12-item Short Form Health Survey (SF-12) to Assess the Mental and Physical Health of a Small Environmental Justice Community in Somerville, Texas" BMC Public Health
1. Newman, G. Kirsch, K. **Sansom, G.** Li, D. Horney, J. "A Performance Framework for Limiting Toxin Transferal During Flood Events." Plos One Special Issue

Book Chapters

3. **Sansom, G.** Kirch, K. Horney, J. Newman, G. "Engaged Research for Community Resilience to Climate Change (1st ed). imprint: Elsevier ISBN: 9780128155752
2. Horney JA and **Sansom G.** (2019) Emergency Preparedness and Response Planning. In MK Lindell (Ed.) The Routledge Handbook of Urban Disaster Resilience: Integrating Mitigation, Preparedness, and Recovery Planning (1st ed.) New York, NY: Routledge. ISBN-13: 978-1138886957
1. **Sansom, G.** and Portney, K. "Integrating Human Health into Urban and Transport Planning: A Framework." Sustainable Cities, Policies, and Health. Springer, 2018. ISBN 978-3-319-74983-9

Grant Funding

External awards (Current)

Methodist Healthcare Ministry of South Texas “Community-Driven Analysis of Water Contaminants in the Colonias Through Citizen Science and Participatory Research” January 1, 2025 – December 31, 2028 (\$5,000,000) - *Principal Investigator*

The National Academies of Sciences Engineering and Medicine (NASEM) " Assessing Perceived and Actual Environmental Health Risk among Northeast Houston Residents in the Communities of Lakewood and Settegast." January 1, 2025 - December 31, 2025 (\$300,000) - *Principal Investigator*

National Institute of Environmental Health Sciences – Pilot Program Grant. “Risk and Remediation: Assessing Heavy Metal Impacts in Galena Park” June 1, 2024, August 1, 2025 (\$24,500) - *Principal Investigator*

The National Academies of Sciences Engineering and Medicine (NASEM) " A Right To Be Counted: Enhancing Syndromic Surveillance Capabilities For Vulnerable Gulf Communities." December 1, 2023- December 31, 2025 (\$1,500,000) - *Co-Investigator*

National Institute of Environmental Health Sciences P42ES027704, Comprehensive Tools and Models for Addressing Exposure to Mixtures During Environmental Emergency-Related Contamination Events, September 20, 2022 – August 31, 2027 (Total award: \$9,747,536) - Community Engagement Core (Total award: \$684,906) - *Co-Principal Investigator*

External (Previous)

Methodist Healthcare Ministry of South Texas “Characterizing Water Contaminants Within the Colonias Utilizing Citizen Scientists and Participatory-Based Research” June 1, 2022 – December 31, 2024 (\$1,500,000) - *Principal Investigator*

The National Academies of Sciences Engineering and Medicine (NASEM) "Development of Gulf Coast Resiliency Management Plan Using Sentinel Species and Natural Infrastructure." December 1, 2020- August 1, 2024 (\$420,495) - *Co-Investigator*

United States Environmental Protection Agency (EPA). STAR Grant. “Engaging the Galena Park Community to Build Resilience to Excess Industrial Pollutant Releases after Hurricanes and Floods in Greater Houston” September 1, 2020- August 1, 2024 (\$799,928) - *Co-Investigator*

The National Academies of Sciences Engineering and Medicine (NASEM). Early-Career Gulf Coast Research program. September 1, 2020- August 31, 2022 (\$76,000) - *Principal Investigator*

National Science Foundation (NSF). “Reducing the Human Impacts of Flash Floods: Development of Microdata and Causal Model to Inform Mitigation and Preparedness.” September 1, 2019 - August 31, 2023 (\$350,000) - *Co-Investigator*

National Institute of Environmental Health Sciences P42ES027704-01, “Comprehensive Tools and Models for Addressing Exposure to Mixtures During Environmental Emergency-Related Contamination Events,” April 1, 2017 – March 31, 2022 (Total award: \$9,747,536) –*Community Engagement Core* (Total award for Community Engagement Core: \$684,906) - *Co-Investigator*

National Institute of Environmental Health Sciences – Pilot Program Grant. “The Role of Community Cohesion, Trust, and Knowledge in Reacting and Responding to Hazard

Events" June 1, 2021, August 1, 2022 (\$17,204) - *Principal Investigator*

National Institute of Environmental Health Sciences – Pilot Program Grant. "Assessing creosote exposure and health outcomes within a confirmed cancer cluster in two Houston neighborhoods" June 1, 2020, August 1, 2021 (\$22,000) - *Principal Investigator*

United States Environmental Protection Agency (EPA) Environmental Justice Small Grants Program (\$20,000). Funded through the Texas Environmental Justice Advocacy Services (tejas) "Manchester Disaster Preparedness Collaborative."

Internal (Previous)

TAMU Health Seedling "Environmental Assessment within a Confirmed Cancer Cluster" January 1, 2022 – January 1, 2023 (\$50,000) - *Principal Investigator*

SPH Delta Omega Research Enhancement and Development Initiative (REDI), Advancing the Measurement of Urban Resilience: A Resilient City Policy Index. June 1, 2018 – January 1, 2020 (\$25,000) - *Principal Investigator*

Conferences & Proceedings

30. Sansom, L. Sansom, G. "Assessing the Impact of Urban Greenspace Solutions for Environmental Health Improvement " 6th International Conference on Environmental Sciences and Renewable Energy (ESRE). Frankfurt Germany.

29. Hernandez, R. Zhu, R. Sansom, G. (2024) Resilient Boundaries: Empowering Fence Line Communities For Environmental Justice. Natural Hazards Workshop, Boulder, CO

28. Sansom, G. Newman, G. Horney, J. (2024) "Building Resilient Communities and Preparedness for Environmental Disasters." NIEHS Superfund Research Center External Advisory Board, College Station, TX.

27. Sansom, L. Sansom, G. Hernandez, R. Losa, L. (2024) "Cohesive Cities and Resilient Cities: are They the Same?" Disaster PRIMR Conference, College Station, TX.

26. Sansom, G. Sansom, L. (2024). "Water, Health, and the Environment." Texas Lyceum, Texarkana, TX.

25. Hernandez, R. Sansom, G. (2023) "Hidden Health Risks: Heavy Metals in Houston Communities" NIEHS Superfund Annual Meeting. Albuquerque, NM

24. Masterson, J. Li, W. Meyer, M. Newman, G. Sansom, G. (2023). "Adapting to Change: Application of the Latest Research in Communities." APATX*23 State Planning Conference

23. Fawkes, L. S., Chiu, W. A., Roh, T., McDonald, T., & Sansom, G. (2023). "Human Health Risk Assessment of Heavy Metals in Residential Soil from the Greater Fifth Ward Neighborhood in Houston, Texas." In ASA, CSSA, SSSA International Annual Meeting. ASA-CSSA-SSSA.

22. Sansom, G. (2023) "The Clean Environment for Healthy Living Initiative: A Case for Environmental Justice." Speaker & Panelist. Health and Nature Symposium, College station, TX.

21. Losa, L. Thompson, C. Sansom, L. **Sansom, G.** (2023). "Why What Does Not Kill You Makes You Vulnerable – The Need for Mental Health Care Following Hazards." 3rd Annual Disaster PRIMR Conference - Prairie View A&M University
20. **Sansom, G.** Newman, G. Horney, J. (2023) "Approaches in Community Engagement and Environmental Research." NIEHS Superfund External Board Annual Meeting. College Station, TX.
19. **Sansom, G.** Thompson, C. Fawkes, L. Sansom, L. Hernandez, R. (2022) "Risk Communication and Willingness to Follow Emergency Recommendations." Natural Hazards Workshop Researchers Conference
18. Hillin, J. Canada, A. Fawkes, L. Thompson, C. **Sansom, G.** (2022) "A Spatial Investigation of Cancer-Causing Contaminants in Northeast Houston, Texas." Natural Hazards Workshop Researchers Conference
17. **Sansom, G.** Newman, G. Fawkes, L. (2021) "Utilizing Community Engagement to Improve Local Resilience to Hazardous Events" Texas A&M University Engagement in Disaster Preparedness Response Innovation Mitigation & Recovery (PRIMR) Conference
16. Parras, J., Hidalgo, N., Newman, G., & **Sansom, G.** (2021) "Building Resilient Communities to Protect Against Exposure to Hazardous Substances: Multidisciplinary Engagement and Partnerships with the Superfund Researchers" National Institute of Environmental Health Sciences - Superfund Annual Meeting. Keynote
15. Horney, J., Kirsch, K., **Sansom, G.**, & Newman, G. (2020). Implementing Community Engaged Disaster Research in Response to Disasters. In ISEE Conference Abstracts (Vol. 2020, No. 1).
14. Woodruff, S. Portney, K. **Sansom, G.** Hannibal, B. Feiock, R. (2020) "Comparison of Resilience Policies and Programs Across U.S. Cities" the 4th Annual Local Governance and Sustainability Conference - Southern Political Science Association (SPCA) San Juan, Puerto Rico.
13. Woodruff, S. Portney, K. Hannibal, B. **Sansom, G.** Feiock, R. (2019) "Resilience Policies and Programs in 101 U.S. Cities." Resilience Rising Research Symposium. Texas A&M University, College Station, TX.
12. Newman, G. **Sansom, G.** Rusyn, I. (2019) "Resilience through Regeneration: Enhancing Resiliency with Engagement-based Green Infrastructure Provisions." Resilience Rising Research Symposium. Texas A&M University, College Station, TX.
11. **Sansom, G.** (2019) "Utilizing Community Engagement to Improve Public Health." Panelist – Nordic Geographers Meeting – Health and Sustainability. Norway, Trondheim
10. **Sansom, G.** (2018) "How Transdisciplinary Teams, Participatory-Based Research, and Community Engagement Work to Improve Outcomes and Build Local Capacity for Hazard Resilience" Panelist - XIX ISA World Congress of Sociology, Toronto Canada
9. Horney, J. Gharibeh, N. Cooper, J. **Sansom, G.** Hoque, A. Kirsch, K. (2018) "Empowering learners through locally-defined research: How the Institute for Sustainable Communities is integrating teaching, research, and service." Panelist - Transformational Teaching and Learning Conference, Texas A&M University, College Station, TX.

8. **Sansom, G.** (2018) "Population-Based Studies before, during, and after Emergencies— Building Resilience in Coastal Communities through an Engagement Framework." Society of Toxicology (SOT) Conference, San Antonio, TX.

7. Horney JA, Casillas G, **Sansom G**, Stone K, McDonald T. (2018) "Disasters and Environmental Vulnerability: Partnering to Measure Exposure to Hazardous Chemicals after Hurricane Harvey." NACCHO Public Health Preparedness Summit, Atlanta, GA.

6. **Sansom, G.** (2018) "Stakeholder and Engagement – San Antonio Partnerships." Organizer and Research Support Team – Water Energy Food Nexus Research Group Texas A&M University, San Antonio, TX.

5. Arellano, Y. **Sansom, G.** Johnston, J. Juarez, Z. Gutschow, W. Cortez, L. Laumbach, R. Baptista, A. (2017) "Leveraging Scientific Research for Community Action: Health Impacts and Goods Movement." Panelist - Moving Forward Network Conference. Los Angeles, CA.

4. **Sansom, G.** (2017). "Human Dimensions of Water Resources Management – Utilizing Engaged Community Members for Improving Public Health" UCOWR/NIWR Annual Conference - Water in a Changing Environment. Fort Collins CO

3. **Sansom, G.** (2017). "How Interdisciplinary Research and Community Engagement Work to Build Resilience" National Conference and Global Forum: Integrating Environment and Health. Washington DC

2. **Sansom, G.** (2016). "Social Capital and Disaster Resilience." Panelist - Natural Hazards Workshop. Boulder CO

1. **Sansom, G.** (2015). "Creating Citizen Scientists - Water Sampling Training in Houston Neighborhood." Presented to the Resilience and Climate Change Cooperative Project (RCCCP). Texas A&M University, College Station TX

Invited Research Presentations

15. **Sansom, G.** (2023) "Outreach and environmental Health" Toxicology Research Association. College Station, TX.

14. **Sansom, G.** (2022) "Engaging and Operating within Environmental Justice Communities" Lone Star Society of Toxicology. College Station, TX.

13. **Sansom, G** (2021) "Improving Scholarship Through Bi-Directional Communication Strategies: Community Engagement and Research Strategies" Community Engagement & Research Translation Cores - the National Institute of Environmental Health Sciences Superfund Research Program - Virtual

12. **Sansom, G.** (2019) "Project-Based Learning and Creating Future Scientists." Furr High School, Houston, TX,

11. Rusyn, I. Chiu, W. **Sansom, G.** (2019) "Texas A&M Superfund Center: General Overview and GBF Collaboration" Galveston Bay Foundation - Clear Lake, TX

- 10. Sansom, G** (2019) "Building Local Resilience to Natural and Anthropogenic Hazards." SPH Environmental and Occupational Health Industry Advisory Board
- 9. Sansom, G.** (2019) "Building Resilience: The Case for Houston." Jones Futures Academy, Houston, TX, 4/4/2019
- 8. Sansom, G.** (2019) "Creating the Future Generation of Health Professionals: Citizen Scientist and High School Engagement" Panelist. Spark! PK-12 Engineering Education Outreach. Texas A&M University, College Station, TX.
- 7. Sansom, G.** (2019) "Utilizing Community Engagement to Improve Public Health" Workshop Presentation. STEM-4-Innovation Conference. Texas A&M University, College Station, TX.
- 6. Sansom, G.** (2018) "Environmental and Public Health Impact of the Intercontinental Terminals Company Petrochemical Fire In Houston, TX" Environmental Toxicology, College Station, TX.
- 5. Sansom, G.** (2017). "Participatory- Based Science for Improving Local Capacity." Presented to HISD Jones Futures Academy, Houston, TX.
- 4. Sansom, G.** (2015). "Participatory- Based Water Sampling Training." Presented to the Green Ambassadors at Furr High School, Houston, TX.
- 3. Sansom, G.** (2015). "Training Citizens in Survey Methods" Presented to the Green Ambassadors at Furr High School, Houston, TX.
- 2. Sansom, G.** (2013). "Global Decline in Sperm Count/Quality – the Evidence So Far" Presented to the Student Epidemiology Organization Journal Club. Texas A&M School of Public Health, College Station TX
- 1. Sansom, G.** (2012). "Understanding Publication Bias – Examples in the Literature" Presented to the Student Epidemiology Organization. Texas A&M School of Public Health, College Station TX

Project Reports

- 8.** Woodruff, Sierra; Bowman, Ann; Feiock, Richard; Hannibal, Bryce; Kang, Ki Eun; Oh, Jeongmin; Sansom, Garrett (2020). Resilience in U.S. Cities: A survey of policies& programs. Available electronically from [https : / /hdl .handle .net /1969 .1 /189324](https://hdl.handle.net/1969.1/189324).
- 7.** Sansom, G. Masterson, J. (2016) "Improving Neighborhood Capacity through citizen science." EPA Environmental Justice Program – Report
- 6.** Sansom, G. Sansom, L. (2013) Texas Water Issue Briefs Series: "Economic Impact of Drought in Texas." Meadows Center for Water and the Environment. Available at <http://www.meadowscenter.txstate.edu/Research/Reports/IssueBriefs.html>
- 5.** Sansom, G. Patolo, N. (2013) Texas Water Issue Briefs Series: "Non-Point Source Pollution and Watershed Management." Available at <http://www.meadowscenter.txstate.edu/Research/Reports/IssueBriefs.html>

4. Patolo, N. Sansom, G. (2013) Texas Water Issue Briefs Series: "Drought Policy and Contingency Planning." Available at <http://www.meadowscenter.txstate.edu/Research/Reports/IssueBriefs.html>
3. Patolo, N. Sansom, G. (2013) Texas Water Issue Briefs Series: "Fracking 101." Available at <http://www.meadowscenter.txstate.edu/Research/Reports/IssueBriefs.html>
2. Sansom, G. (2013) Texas Water Issue Briefs Series: "Coastal Water Management in Texas." Available at <http://www.meadowscenter.txstate.edu/Research/Reports/IssueBriefs.html>
1. Chamberlain, A. Beckcom, C. Lagard, D. Sansom, G. Dziekan, K. Marbach, L. Sansom, L. Herron, N. Eley, R. Stover, S. Birdsong, T. (2012). Texas Outdoor Recreation Plan 2012. Recreation Grants State Parks Division. TPWD Publication. Available at: https://www.recpro.org/assets/Library/SCORPs/tx_scorp_2012.pdf

TEACHING

Graduate

SOPH 601 - Thinking in Populations: The Public Health Mindset (2019-2022)
 SOPH 602 - Investigation and Control: Acute Public Health Events (2019-2022)
 SOPH 603 - Assessment and Intervention: Wicked Problems in Public Health (2019-2022)
 SOPH 604 - Framing and Persuasion: Public Health in the Public Sphere (2019-2022)
 PLAN 634 - Environ Health, Policy, & Planning (2017 – 2019)

Undergraduate

PHLT 485 – Special Topics - Germany Study Abroad (2024)
 PHLT 307 - Public Health in a Global Context (2022 – 2024)
 PHLT 314 - Public Health Data Management Assessment I (2019-2020)
 URPN 371 - Environmental Health and Planning (2017 – 2019)
 GEOG 430 - Environmental Justice (2020 – 2021)

Mentoring

Doctoral (primary Chair or Co-Chair)

1. **Ruby Hernandez.** Texas A&M University School of Public Health, 2023-2024
2. **Jacquita Johnson.** Texas A&M University School of Public Health, 2023-2024
3. **Nandita Sarker.** Texas A&M University School of Public Health, 2024
4. **Kayla Morales.** Texas A&M University Interdisciplinary Program in Toxicology, 2024

Doctoral Completed (Chair or Co-Chair)

1. **Leanne Fawkes.** (Chair). *Residential Creosote Exposure: An Assessment of Community Health and Environmental Health Risks in the Greater Fifth Ward, Houston, Texas*

Doctoral (Committee Member)

1. **Xiara Day** Texas A&M University School of Public Health, 2021-2024
2. **Maria Roque** Texas A&M University School of Public Health, 2020-2024
3. **Tykeara Mims** Texas A&M University School of Public Health, 2020-2024

4. **Nishat Tasnim Hasan** Texas A&M University School of Public Health, 2022-2024
5. **Sarayu Chandra Mouli** Texas A&M University School of Public Health, 2022-2024

Doctoral Completed (Committee Member)

1. **Kamrie Sarnosky** Texas A&M University School of Public Health (2019)
2. **Benika Dixon** Texas A&M University School of Public Health (2020)

Masters (primary Chair or Co-Chair)

Masters (Committee Member)

1. **Farzana Ahmed**, Texas A&M University, Urban Planning, 2022-2024
2. **Lyssa Losa**, Texas A&M University School of Public Health, 2023-2025

Masters Completed (primary Chair or Co-Chair)

1. **Kathleen Aarvig**, Texas A&M University School of Public Health, 2019-2020
2. **Anjali Katare**, Texas A&M University School of Public Health, 2018-2020

Masters Completed (Committee Member)

1. **Jordan Gregory**, Texas A&M University, Urban Planning (2023)
2. **Yu-Ching Shen**, Texas A&M University, Urban Planning (2023)
3. **Julia Hillin**, Texas A&M University Geography (2023)
4. **Amani Canada**, Texas A&M University Geography (2023)
5. **Sara Prybutok** Texas A&M University, Urban Planning (2022)
6. **Cynthia Nolasco** Texas A&M University, Urban Planning (2020)
7. **Tianqi Shi**, Texas A&M University, Urban Planning (2019)
8. **Zhen Yao**, Texas A&M University, Urban Planning (2018)

SERVICE

School of Public Health Committees

1. Department of Environmental and Occupational Health Faculty Search Committee, 2023-2024
2. Wellness Committee, 2018-2020
3. Student Research Liaison, 2016

Citizen Science Programs

Maintained a citizen science program in which ~25 students per year graduate and receive (1) a Texas A&M University Citizen Science Certificate, (2) A Graduation Event, and (3) a letter of recommendation for higher education. Took Place in:

1. **South Texas Colonias** (Hidalgo County) (2022-2024)
2. **Furr High School HISD** (Harris County) (2016-2018, 2024)
3. **Blanco River Academy** (Hays County) (2020-2024)

Outreach presentations for K-12 students/teachers

1. **Blanco River Academy**, Wimberley, TX. COURSE in Environmental Health (2019-2024)
2. **Furr High School HISD**, Houston, TX. Greenspace and Human Health (2018-2024)
3. **Jones Futures Academy**, Houston, TX. Environmental Assessment (2019)

MEDIA

34. City Limits, Health and Environment. "They Were Pregnant During a Climate Disaster. Do Their Children Carry the Scars?" <https://citylimits.org/2023/01/24/they-were-pregnant-during-a-climate-disaster-do-their-children-carry-the-scars/> Spring, 2023

33. 22 News, WWLP "Texas A&M, faith-based nonprofit to study water contamination in border 'colonias'" <https://www.wwlp.com/border-report-tour/texas-am-faith-based-nonprofit-to-study-water-contamination-in-border-colonias/> Spring, 2023

32. Valley Central News. "Safe Water Project" launches to research colonias drinking water. <https://www.valleycentral.com/news/local-news/safe-water-project-launches-to-research-colonias-drinking-water/> Spring, 2023

31. The Texas Standard "Texas A&M study finds mental health decline in people who experienced repeated disasters " <https://www.texasstandard.org/stories/texas-am-study-finds-mental-health-decline-in-people-who-experienced-repeated-disasters/> Spring, 2022

30. The Washington Post "People who survive multiple disasters have worse mental health." https://www.washingtonpost.com/health/natural-disasters-mental-health/2022/01/20/00958aca-797b-11ec-83e1-eaef0fe4b8c9_story.html Spring, 2022

29. ABC Affiliate KXXV "Study: Exposure to disasters can result in declining mental health" <https://www.kxxv.com/hometown/texas/study-exposure-to-disasters-can-result-in-declining-mental-health> Spring 2022

28. TAMU Today "Repeated Exposure To Major Disasters Has Long-Term Mental Health Impacts." <https://today.tamu.edu/2022/01/13/repeated-exposure-to-major-disasters-has-long-term-mental-health-impacts/> Spring, 2022

27. Scientific American "Social Capital in Black Communities Is Often Overlooked." <https://www.scientificamerican.com/article/social-capital-in-black-communities-is-often-overlooked/> Winter, 2021

26. The Houston Chronicle "'They are being exposed': Experts fear lead poisoning makes Fifth Ward one of 'hundreds of Flints'" <https://www.houstonchronicle.com/politics/texas/article/They-are-being-exposed-Experts-fear-lead-16519913.php> Fall, 2021

25. The Eagle "A&M researchers find lead in B-CS park drinking fountains." https://theeagle.com/news/local/a-m-researchers-find-lead-in-b-cs-park-drinking-fountains/article_0330e2a8-d6f5-11eb-a82c-13509ae40bfd.html Summer 2021

24. KBTX "Texas A&M Superfund Research Center partners with Castle Heights neighborhood to vaccinate residents" <https://www.kbtx.com/2021/05/19/texas-am-superfund-research-center-partners-with-castle-heights-neighborhood-to-vaccinate-residents/> Spring, 2021

23. NPR "As Winter Storm Death Toll Exceeds Hurricane Harvey, Scope Of Loss Becomes Clearer"
<https://www.houstonpublicmedia.org/articles/news/energy-environment/2021/03/30/394592/remembering-the-lives-lost-in-the-winter-freeze-as-death-toll-surpasses-that-of-hurricane-harvey/>

22. ABC News kxxv "A&M researchers aim to help seniors stay connected during emergencies"
<https://www.kxxv.com/brazos/a-m-researchers-aim-to-help-seniors-stay-connected-during-emergencies>

21. The Texas Observer "Nobody Warned Texans About the Public Health Risks of the Winter Storm" <https://www.texasobserver.org/nobody-warned-texans-about-the-public-health-risks-of-the-winter-storm/> Spring, 2021

20. TAMU Today "Demystifying COVID-19 & Vaccinations"
<https://today.tamu.edu/2021/03/18/demystifying-covid-19-vaccinations/> Spring, 2021

19. Texas Water Resource Institute "Health at the Nexus of the Water Insecurity"
<https://twri.tamu.edu/publications/txh2o/2020/winter-2020/health-at-the-nexus-of-water-insecurity/> Spring, 2020

18. Texas Water Resource Institute - "Lead in the Water, Texas A&M researchers studying lead in poor neighborhoods" <https://twri.tamu.edu/publications/txh2o/2020/winter-2020/lead-in-texas-water/> Spring, 2020

17. Texas Water Resource Institute - "Pervasive Problems. Texas Researchers are on the task of removing long-lasting PFAS from Environment"
<https://twri.tamu.edu/publications/txh2o/2020/winter-2020/pervasive-problem/> Spring, 2020

16. Research at TAMU "Areas hit by Hurricane Harvey report surprising scores for mental health." <https://research.tamu.edu/2020/03/24/areas-hit-by-hurricane-harvey-report-surprising-scores-for-mental-health/> March 24, 2020

15. Vital Record "Combining Forces to Solve Environmental Problems"
<https://vitalrecord.tamhsc.edu/combining-forces-to-solve-environmental-problems/> February 13, 2020

14. ASPPH - "Texas A&M: Study Brings Together Disciplines in an Effort to Remedy Environmental Issues in Houston Neighborhood" <https://www.aspph.org/texas-am-study-brings-together-disciplines-in-effort-to-remedy-environmental-issues-in-houston-neighborhood/> February 4, 2020

13. Vital Record. "Focusing on the Human Impacts of Flash Floods."
<https://vitalrecord.tamhsc.edu/focusing-on-the-human-impacts-of-flash-floods/> September, 2019

12. The Battalion – Texas A&M University Press "A&M experts discuss rare infection that led to death of Texas native." http://www.thebatt.com/news/a-m-experts-discuss-rare-infection-that-led-to-death/article_a8f81a48-e0b7-11e9-8ddf-83da9a3cb942.html September, 2019

11. Association of Schools & Programs of Public Health "Texas A&M: Researchers Study Race and Gender Effects on Environmental Risk Perception" <https://www.aspph.org/texas-am-researchers-study-race-and-gender-effects-on-environmental-risk-perception/> September, 2019
10. Texas A&M University Health Talk Podcast "Researching Environmental Toxins in Houston Texas." <<https://vitalrecord.tamhsc.edu/podcast/researching-environmental-toxins-in-houston/>> August, 2019
9. CBS/KBTX News Focus at Four "Bryan public housing receiving \$1 million grant to remove lead paint" < <https://www.kbtx.com/content/news/Bryan-public-housing-receiving-million-dollar-federal-grant-557905941.html>> August, 2019
8. Vital Record. "Not Black and White: Differences in Perceived Risk" <https://vitalrecord.tamhsc.edu/not-black-and-white-differences-in-perceived-risk/> August, 2019
7. CBS/KBTX News Focus at Four "A&M researcher finds lead in drinking water along Houston Ship Channel." <https://www.kbtx.com/content/news/AM-researcher-finds-lead-in-the-drinking-water-along-the-Houston-Ship-Channel-526203621.html> August, 2019
6. Texas A&M Today Featured Research "Lead in Drinking Water: Older homes with lead pipes, in conjunction with the chemicals used during the water purification process, underlie problem" < <https://today.tamu.edu/2019/08/02/study-finds-lead-in-drinking-water-in-some-eastern-houston-homes/>> August, 2019
5. Vital Record. "Study finds lead in drinking water in some eastern Houston homes" <<https://vitalrecord.tamhsc.edu/study-finds-lead-in-drinking-water-in-some-eastern-houston-homes/><https://vitalrecord.tamhsc.edu/understanding-the-implications-of-deer-park/>> August 2019
4. Vital Record. "Understanding the Implications of Deer Park." <<https://vitalrecord.tamhsc.edu/understanding-the-implications-of-deer-park/>> April 2019
3. Sojourners. "Houston Neighborhood Shows Who Bears the Brunt of Climate Change." <<https://sojo.net/articles/houston-neighborhood-shows-who-bears-brunt-climate-change>> January 2019
2. The Eagle. "Texas A&M students unveil Bryan-College Station air quality findings" <https://www.theeagle.com/news/local/texas-a-m-students-unveil-bryan-college-station-air-quality/article_5fda50ee-525b-58e1-898f-3c4a2aeb10ed.html> November 2018
1. The Guardian. "Sewage, debris, mosquitoes: flood waters increase health risk for Harvey victims." <<https://www.theguardian.com/us-news/2017/aug/30/health-implications-texas-floods-hurricane-harvey>> August 2017