

## CHRISTINE E. STAUBER

Georgia State University  
School of Public Health  
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### CURRENT POSITION

#### GEORGIA STATE UNIVERSITY

*Associate Professor, Environmental Health* August 2016– Present  
*Interim Director, Division of Environmental Health* August 2012 – December 2015  
*Assistant Professor, Environmental Health* August 2008 – August 2016

### ADDITIONAL PROFESSIONAL EXPERIENCE

*Postdoctoral Research Associate* August 2007–July 2008  
Department of Environmental Sciences and Engineering  
Gillings School of Global Public Health  
University of North Carolina-Chapel Hill  
*Adjunct Faculty* August 2001 – December 2002  
Chemistry Department, Mesa Community College, Arizona

### EDUCATION

*University of North Carolina at Chapel Hill, Chapel Hill, North Carolina*  
Doctor of Philosophy, August 2007  
Environmental Sciences and Engineering, Minor in Epidemiology  
Department of Environmental Sciences and Engineering, Gillings School of Global Public Health  
Dissertation: Evaluation of the Microbiological and Health Impact of the Concrete Biosand Filter in  
Bonao, Dominican Republic  
Advisor: Dr. Mark Sobsey  
*University of Arizona, Tucson, Arizona*  
Master of Science, December 2000  
Department of Soil, Water and Environmental Sciences  
Advisor: Dr. Ian Pepper  
Bachelor of Science with honors, December 1997  
Major: Soil, Water and Environmental Science  
Minor: Spanish

## PEER-REVIEWED JOURNAL PUBLICATIONS (h-index: 22, i10-index: 36)

1. Strasser, S., **Stauber, C.**, Shrivastava, R., Riley, P., O'Quinn., K. 2021. Collective insights of public-private partnership impacts and sustainability: A qualitative analysis. Plos ONE, <https://doi.org/10.1371/journal.pone.0254495>
2. \*McNair, P., **Stauber, C.** 2021. Zika virus Concern and Preventive Behaviors During Pregnancy: Analysis of 2017 Georgia Pregnancy Risk Assessment Monitoring Data System. *Journal of the Georgia Public Health Association*, Vol. 8 : No. 3 , Article 4. DOI: 10.20429/jgpha.2021.080304.
3. Stoler, J., Brewis, A., Kangmennang, J., Keogh, S.B., Pearson, A.L., Rosinger, A.Y., **Stauber, C.**, Stevenson, E.G.J. 2021. Connecting the dots between climate change, water insecurity and migration. *Current Opinion in Environmental Sustainability*, <https://doi.org/10.1016/j.cosust.2021.02.008>.
4. **Stauber, C.E.**, Person, B., Otieno, R., Oremo, J., \*Schilling, K., \*Ayers, T., Hayat, M.J., Quick R. 2020. A cluster randomized trial of Education through Listening (a novel behavior change technique) on household water treatment with chlorine in Vihiga District, Kenya, 2010-2011. *American Journal of Tropical Medicine and Hygiene*, <https://doi.org/10.4269/ajtmh.20-0215> <https://www.ajtmh.org/content/journals/10.4269/ajtmh.20-0215>.
5. Capone, D., Berendes, D., Cumming, O., Knee, J., Nala, R., Risk, B., **Stauber, C.**, Zhu, K., Brown, J. 2020. Analysis of fecal sludges reveals common enteric pathogens among children in urban Maputo, Mozambique, *Environmental Science & Technology Letters*, <https://pubs.acs.org/doi/full/10.1021/acs.estlett.0c00610>
6. \*Jelks, N.O., Smith, D.J., Fuller, C.H., **Stauber, C.E.** 2020. Participatory Research in Northwest Atlanta's Proctor Creek Watershed: Using Photovoice to Explore Environmental Health Risks at the Water's Edge. Health and Place. <https://doi.org/10.1016/j.healthplace.2020.102444>
7. \*Muirhead, A., Zhu, K., Brown, J., Basu, M. Brinton, M.A., Costa, F., Hayat, M.J., **Stauber C. E.** 2020. Zika virus RNA persistence in sewage, *Environmental Science & Technology Letters*, <https://pubs.acs.org/doi/10.1021/acs.estlett.0c00535>
8. *Bivins, A., et al.*, Wastewater-Based Epidemiology: Global Collaborative to Maximize Contributions in the Fight Against COVID-19, 2020, *Environmental Science & Technology*, 54(13), 10.1021/acs.est.0c02388
9. Kim, S., Quick, R., **Stauber, C.**, Oremo, J., Murphy, J., *E. coli* Recovery from Antimicrobial Hand Towels Used in Rural Households in Kenya, 2019. *Journal of Microbiological Methods*. <https://doi.org/10.1016/j.mimet.2019.105776>
10. Soros, A., Amburgey, J.E., Sobsey, M.D., **Stauber, C.E.**, Casanova, L. 2019. Turbidity reduction in drinking water by coagulation-flocculation with chitosan polymers, *Journal of Water and Health*, DOI: 10.2166/wh.2019.114
11. Dai, D., Neal, F.B., Diem, J., , Deocampo, D., **Stauber, C.**, Dignam, T. 2019. Confluent impact of housing and geology on indoor radon concentrations in Metro Atlanta, Georgia, USA, *Science of Total Environment*, 668:500-511. doi: 10.1016/j.scitotenv.2019.02.257
12. \*Kabongo, M.M., Linsuke, S., Baloji, S., Mukunda, F., Inocencio da Luz, R., **Stauber, C.**, Van geertruyden, JP., Lutumba, P. 2018. Schistosoma mansoni infection and its association with nutrition and health outcomes: a household survey in school-aged children living in Kasansa, Democratic Republic of the Congo, *Pan African Medical Journal*, 31(197). doi:10.11604/pamj.2018.31.197.16364.
13. \*Schilling KA, Awuor AO, Rajasingham A, Moke F, Omoro R, Amollo M, Farag TH, Nasrin D, Nataro JP, Kotloff KL, Levine MM, Ayers T, Laserson K, Blackstock A, Rothenberg R, **Stauber CE**, Mintz E, Breiman RF, and O'Reilly C. 2018. Water, Sanitation, and Hygiene Characteristics among HIV-Positive Households Participating in the Global Enterics

- Multicenter Study in Rural Western Kenya, 2008-2012, *The American Journal of Tropical Medicine and Hygiene*, <https://doi.org/10.4269/ajtmh.17-0774>.
14. **Stauber, C.**, Adams, E.A., Rothenberg, R., Dai, D., Luo, R., Weaver, S.R., Prasad, A., Kano, M. and Health, J. 2018. Measuring the impact of the environment on the health of large cities. *International Journal of Environmental Research and Public Health*, Jun 9;15(6). pii: E1216. doi: 10.3390/ijerph15061216 <https://doi.org/10.3390/ijerph15061216>
  15. \*Jelks N.O., Hawthorne, T.L., Dai, D., Fuller, C.H., **Stauber, C.** 2018. Mapping the Hidden Hazards: Spatial Data Collection of Street-Level Environmental Stressors in a Degraded, Urban Watershed, *International Journal of Environmental Research and Public Health*, 15(4), 825, <http://www.mdpi.com/1660-4601/15/4/825>.
  16. **Stauber, C.** 2017. The Sustainable Development Goals for water: the need to consider perception, preference, and safety. (Editorial). *American Journal of Tropical Medicine and Hygiene*, A.<http://www.ajtmh.org/content/journals/10.4269/ajtmh.17-0572>
  17. Berens, A.S., Diem, J., **Stauber, C.**, Dai, D., Foster, S., and Rothenberg, R. 2017. The use of in situ gamma emissions to better understand radon potential in urban areas, *Science of the Total Environment*, 607-608C (2017) pp. 888-899
  18. Diem, J., **Stauber, C.**, and Rothenberg, R., 2017. Heat in the Southeastern United States: Characteristics, Trends, and Potential Health Impact. *PLoS ONE* 12(5): e0177937. <https://doi.org/10.1371/journal.pone.0177937>.
  19. Dai, D., Luo, R., Rothenberg, R., Weaver, S., **Stauber, C.** 2017. Do Geographic Disparities Improve by Amelioration or Displacement? *Journal of Urban Health*, DOI: 10.1007/s11524-017-0151-4
  20. \*Schilling, KA, Omore, R., Derado, G, Ayer, T., Ochieng, JB, Farag, TH, Nasrin, D, Panchalingam, S, Nataro JP, Kotloff, KL, Levine, MM, Oundo, J, Parsons, MB, Bopp C, Laserson, K, **Stauber, CE**, Rothenberg, R, Breiman, RF, O'Reilly, CE, and Mintz ED. 2017. Factors Association with the Duration of Moderate to Severe Diarrhea among Children in Rural Western Kenya Enrolled in the Global Enterics Multicenter Study, 2008-2012. *American Journal of Tropical Medicine and Hygiene*. <https://doi.org/10.4269/ajtmh.16-0898>
  21. **Stauber, C.**, Dai, D., \*Chan, S., Diem, J., Weaver, S., Rothenberg, R. 2017. A pilot study to examine exposure to residential radon in under sampled census tracts in DeKalb County, Georgia 2015. *International Journal of Environmental Research and Public Health*, 14(3), 332; doi:10.3390/ijerph14030332
  22. Wang, A., L. McMahan, S. Rutstein, **C. Stauber**, J. Reyes, M. Sobsey. 2017. Household microbial water quality testing in a Peruvian demographic and health survey: evaluation of the compartment bag test (CBT) for *E. coli*. *American Journal of Tropical Medicine and Hygiene*. <https://doi.org/10.4269/ajtmh.15-0717>
  23. Murphy, J.L., Ayers, T.L., Knee, J., Oremo, J., Odhiambo, A., Faith, S.H., Nyagol, R.O., **Stauber, C.E.**, Langtagne, D.S., Quick, R.E. 2016. Evaluating four measures of water quality in clay pots and plastic safe storage containers in Kenya. *Water Research*, 104 (312-319).
  24. \*Torres, A., Lyn, R., Steward, J., Strasser, S., Serna, R., **Stauber, C.** 2016. Atlanta Streets Alive: A Movement Building a Culture of Health in an Urban Environment, *Journal of Physical Activity and Health*, Feb 2016, Vol. 13 Issue 2, p239-246.
  25. **Stauber, C.E.**, J.C. Wedgworth, P. Johnson, J.B. Olson, T. Ayers, M. Elliott, J. Brown. 2016. Associations between self-reported gastrointestinal illness and water system characteristics in community water supplies in rural Alabama: a cross-sectional study. *PloS one*, 11(1), e0148102.
  26. Zhu, M., Li, J., Li, Z., Luo, W., Dai, D., Weaver, S.R., **Stauber, C.**, Luo, R., Fu, H. 2015. Morality rates and the causes of death related to diabetes mellitus in Shangai Songjiang District: an 11-year retrospective analysis of death certificates. *BMC Endocrine Disorders*, 15:45.

27. Elliott, M., **Stauber, C.E.**, DiGiano, F., Fabiszewski de Aceituno, A., Sobsey, M., 2015. Investigation of *E. coli* and virus reductions using replicate, bench-scale biosand filter columns and two filter media, *International Journal of Environmental Research and Public Health*, 12: 10276-10299.
28. Wedgworth, J.C., Brown, J., Olson, J.B., Johnson, P., Elliott, M., Grammer, P., **Stauber, C.E.** 2015. Temporal Heterogeneity of Water Quality from Rural Water Supplies in Alabama. *Journal - American Water Works Association* 08/2015; 107. DOI: 10.5942/jawwa.2015.107.0098
29. Rothenberg R, **Stauber C**, Weaver S, Dai D, Prasad A, Kano M. 2015. Urban Health Indicators and Indices- Current Status, *BMC Public Health*. 2015 May 16;15:494. doi: 10.1186/s12889-015-1827-x.
30. Wedgworth, J.C., Brown, J. Johnson, P., Olson, J.B., Elliott, M., Forehand, R. and **Stauber, C.E.** 2014. Associations between Perceptions of Drinking Water Service Delivery and Measured Drinking Water Quality in Rural Alabama. *International Journal of Environmental Research and Public Health*, Jul 18;11(7):7376-92.
31. Rothenberg, R., S. Weaver, D. Dai, **C. Stauber**, A. Prasad, M. Kano. 2014. A Flexible Urban Health Index for Small Area Disparities, *Journal of Urban Health*. doi:10.1007/s11524-014-9867-6.
32. **Stauber, C.**, C. Miller\*, B. Cantrell\*, K. Kroell\*. 2014. Evaluation of the Compartment Bag Test for Detection of *Escherichia coli* in Water. *Journal of Microbiological Methods*. 99:66-70.
33. Baum, R., G. Kayser, **C. Stauber**, and M.D. Sobsey. 2013. Assessing the Microbial Quality of ‘Improved’ Drinking Water Sources: Results from the Dominican Republic. *American Journal of Tropical Medicine and Hygiene*, 90: 121-123.
34. \*Travers, A. Strasser, S., Palmer, S **Stauber, C.** 2013. The Added Value of Water, Sanitation, and Hygiene Interventions to Mass Drug Administration for Reducing the Prevalence of Trachoma: Systematic Review. *Journal of Environmental and Public Health*. Volume 2013, Article ID 682093, 10 pages, <http://dx.doi.org/10.1155/2013/682093>
35. **Stauber, C.E.**, A.R. Walters, A.M. Fabiszewski de Aceituno, and M.D. Sobsey. 2013. Bacterial Contamination on Toys and Association with Water, Sanitation and Hygiene Conditions in Honduras. *International Journal of Environmental Research and Public Health*.10: 1586-1597
36. \*Torres, A., O. Saramiento, **C. Stauber**, R. Zarama. 2013. The Ciclovia-Recreativa and the Cicloruta Programs: Promising Interventions to Promote Physical Activity, and Social Capital in the City of Bogota. *American Journal of Public Health*; 103(2):e23–e30.
37. **Stauber, C.E.**, Kominek, B., Liang, K., Osman, M.K., and M.D. Sobsey. 2012. Evaluation of the Impact of the Plastic BioSand Filter on Health and Drinking Water Quality in Rural Tamale, Ghana. *International Journal of Environmental Research and Public Health*, 9, 3806-3823.
38. \*Fabiszewski de Aceituno, A.M., **C.E. Stauber**, A.R. Walters, R.E. Meza Sanchez, and M.D. Sobsey. 2012. A Randomized Controlled Trial of the Plastic-Housing BioSand Filter and its Impact on Diarrheal Disease in Copan, Honduras. *American Journal of Tropical Medicine and Hygiene*, 86(6): 913-921.
39. **Stauber, C.E.**, Printy, E., Liang, K., McCarty, F and M.D. Sobsey. 2012. A Cluster Randomized Controlled Trial of the Plastic BioSand Water Filter in Cambodia. *Environmental Science & Technology*, 2012, 46, 722–728. <http://pubs.acs.org/doi/pdf/10.1021/es203114q>
40. \*Aiken, B.A., **C.E. Stauber**, G.M. Ortiz, and M.D. Sobsey. 2011. An Assessment of Continued Use and Health Impact of the Concrete Biosand Filter in Bonaio, Dominican Republic. *American Journal of Tropical Medicine and Hygiene*, 85(2), p.309-317.

41. Brown, J., **C. Stauber**, J.L. Murphy, A. Khan, T. Mu, M. Elliott, and M.D. Sobsey. 2011. Ambient Temperature Incubation for *E. coli* Detection in Drinking Water. *Journal of Applied Microbiology*, Volume 110, Issue 4, pages 915–923, April 2011
42. Russell, M.D., M.T. Correa, **C.E. Stauber**, and J.A. Kase. 2010. North Carolina Hispanic Farm Workers and Intestinal Parasitism: A Pilot Study of Prevalence and Health-Related Practices, and a Potential Means of Foodborne Transmission. *Journal of Food Protection*, Vol. 73, No. 5, 2010 p. 985-988.
43. **Stauber, C.E.**, G.M. Ortiz, D.P. Loomis, and M.D. Sobsey. 2009. A Randomized Controlled Trial of the Concrete Biosand Filter and its Impact on Diarrheal Disease in Bonao, Dominican Republic. *American Journal of Tropical Medicine and Hygiene*, 80(2):286-293.
44. Sobsey, M.D., **C.E. Stauber**, L.M. Casanova, J.M. Brown and M.A. Elliott. 2008. Point of Use Household Drinking Water Filtration: A Practical, Effective Solution for Providing Sustained Access to Safe Drinking Water in the Developing World. *Environmental Science & Technology*, 42(12), 4261-4267.
45. Elliott, M.A., **C.E. Stauber**, F. Koksall, F.A. DiGiano and M.D. Sobsey. 2008. Reduction of *E. coli*, Echovirus type 12 and Bacteriophages in an Intermittently Operated Household-scale Slow Sand Filter. *Water Research*, 42(10-11): 2662-2670.
46. **Stauber, C.E.**, M.A. Elliott, F. Koksall, G.M. Ortiz, F.A. DiGiano and M.D. Sobsey. 2006. Characterisation of the Biosand Filter for *E. coli* Reductions from Household Drinking Water Under Controlled Laboratory Conditions and Field Use Conditions. *Water, Science and Technology*, 54(3):1-7.

\*graduate student is co-author

#### OTHER PEER-REVIEWED PUBLICATIONS

##### *Book Chapters*

1. Rothenberg, R., Dai, D., **Stauber, C.**, Nijman, J. 2018. Urban Health Indicators in *Encyclopedia of Environmental Health*, 2e, accepted.
2. **Stauber, C.** and Casanova, L. 2015. “Drinking Water Contamination” in Bartram, J., with Baum, R., Coclanis, P.A., Gute, D.M., Kay, D., McFayden, S., Pond, K., Robertson, W. and Rousem M.J. (eds) *Routledge Handbook of Water and Health*. London and New York: Routledge.
3. Elliott, M.A., **C.E. Stauber**, F. Koksall, K.R. Liang, D.K. Huslage, F.A. DiGiano and M.D. Sobsey. 2006. The operation, flow conditions and microbial reductions of an intermittently operated, household-scale slow sand filter. In *Recent Progress in Slow Sand and Alternative Biofiltration Processes*. Edited by R. Gimbel, N.J.D. Graham and M.R. Collins. International Water Association. London.
4. **Stauber, C.E.**, G.M. Ortiz, M.E. Elliott and M.D. Sobsey. 2007. Field characterization of the biosand filter for household drinking water in the Dominican Republic, p. 349-358. *AGUA 2005. Avances en Investigación y Desarrollo en Agua y Saneamiento para el Cumplimiento de las Metas del Milenio*. Editor(s): Inés Restrepo; Luis Dario Sanchez, Alberto Galvis; Jhonny Rojas; Irma Janneth Sanabria Universidad del Valle; Cinara. 2007. ISBN 958-670-608-7; 578 p.

##### *Monographs*

5. Liang, K., M. Sobsey and **C. Stauber**. 2010. Improving Household Drinking Water Quality: Use of Biosand Filter in Cambodia. *Water and Sanitation Program Field Note*, World Bank. [http://www.wsp.org/wsp/sites/wsp.org/files/publications/WSP\\_biosand\\_cambodia.pdf](http://www.wsp.org/wsp/sites/wsp.org/files/publications/WSP_biosand_cambodia.pdf).

PUBLISHED PROCEEDINGS, ABSTRACTS AND REPORTS

1. Nota Técnica – Índice de Vulnerabilidade Epidêmica e a epidemia de COVID-19 no município de Salvador, Bahia. 2021. Bernardes, K., Miranda, S., **Stauber, C.**, Pereira, M., Aragão, E., de Silva de Jesus, E., Livramento, H., Bertoldo, J., Silva, S., Skalinski, L., Natividade, M. Instituto de Saúde Coletiva, Universidade Federal da Bahia.
2. Review of the New York City Watershed Protection Program, National Academy of Science, Engineering and Medicine, published 8/11/2020. <https://www.nationalacademies.org/our-work/review-of-the-new-york-city-watershed-protection-program>
3. School of Public Health Study Abroad Magazine, The Brazil Issue, August 2020. [https://issuu.com/phgsu/docs/issuu\\_brazil\\_magazine\\_pages](https://issuu.com/phgsu/docs/issuu_brazil_magazine_pages)
4. **Stauber, C.**, S. R. Weaver, D. Dai, R. Luo, R. Rothenberg, Comparison of Cities Using the Urban Health Index, An Analysis of Demographic and Health Survey Data: 2003-2013, 2015, [http://apps.who.int/iris/bitstream/10665/206848/1/9789241510509\\_eng.pdf](http://apps.who.int/iris/bitstream/10665/206848/1/9789241510509_eng.pdf)
5. Weaver, S., Dai, D., **Stauber, C.**, Luo, R., Rothenberg, R. 2014. The Urban Health Index: A Handbook for its Calculation and Use, World Health Organization Press, WHO, ISBN 978 92 4 150780 6, [http://www.who.int/kobe\\_centre/publications/urban\\_health\\_index\\_toolkit/en/](http://www.who.int/kobe_centre/publications/urban_health_index_toolkit/en/)
6. Cardona, A., \*Torres, A., Donado, C., **Stauber, C.**, Saramiento, S. 2012. Contribution of the Ciclovía and Cicloruta Program in Bogotá Colombia to Meeting the Physical Activity Recommendations. *Medicine and Science in Sports and Exercise* 44: 107.
7. \*Holt, K., G.M. Ortiz, M.D. Sobsey and **C.E. Stauber.** 2010. An Examination of Household Drinking Water Storage and Management Practices in Bonao, Dominican Republic from September 2005-January 2006. *American Journal of Tropical Medicine and Hygiene*, 83 (5), 108-108.
8. \*Kraft, S, G.M. Ortiz, M.D. Sobsey and **C.E. Stauber.** 2010. An Examination of the Relationship Between Levels of Drinking Water Quality Indicators and the Occurrence of Self-Reported Diarrheal Disease: A Five-Month Prospective Cohort Study in the Dominican Republic, 2005-2006. *American Journal of Tropical Medicine and Hygiene*, 83 (5), 108-108.
9. **Stauber, C.E.** Rotary/USAID Alliance: Monitoring and Evaluation Plan for Alianza Agua Segura para Los Niños (Safe Water for Children), November 2010. <http://www.hydraid.org/pdf/Rotary-USAID%20Alliance%20-%20Monitoring%20and%20Evaluation.pdf>
10. **C.E. Stauber**, AM Fabiszewski, EL Printy, BC Kominek, AR Walters, KR Liang, MD Sobsey. 2009. Randomized controlled trials of the plastic housing biosand filter in Cambodia, Ghana and Honduras. *American Journal of Tropical Medicine and Hygiene*, 81 (5), 306-30.
11. McMahan, L., T. Lusk, S. Chung, **C. Stauber**, L. Casanova, and M. D. Sobsey. 2009. Development and Evaluation of Existing and Newly Emerging Simple, Portable Field Tests to Detect Microbial Indicators of Fecal Contamination in Water. *Proceedings of American Water Works Association Global Conference on Microbial Contaminants in Drinking Water in Singapore.* American Water Works Association.
12. **Stauber, C.E.**, M.A. Elliott, F.A. DiGiano and M.D. Sobsey. 2009. Longitudinal Evaluation and Comparison of the Performance of the Biosand Filter in Laboratory Studies and a Field Study in Bonao, Dominican Republic. p.584-601. *Conference Proceedings from Water Environment Federation, Disinfection 2009, Atlanta, GA. March 2009.*
13. **Stauber, C.E.**, G.M. Ortiz, K.M. Liang, B.A. Aiken, and M.D. Sobsey. The Biosand Filter: A Robust and Sustainable Technology for Household Water Treatment in Developing Countries. 2008. *Epidemiology*, Vol. 19:6, S296.
14. **Stauber, C.** Ortiz, G, and M.D. Sobsey. 2007. Health impact study of the biosand filter in Bonao, Dominican Republic. *American Journal of Tropical Medicine and Hygiene*, 77, 16-17.

15. **Stauber, C.** Ortiz, G, and M.D. Sobsey. 2007. Diarrheal disease and household drinking water quality in Bonao, Dominican Republic. *American Journal of Tropical Medicine and Hygiene*, 75 (5), 91-92.

\*graduate student is co-author

## GRANTS

### *Pending*

#### *External*

National Institute of Health Jul 2021- Jun 2026  
Title: Enhancing mHealth Applications for Interventions in Sanitation (E-MAIS) submitted to PAR - 19-376 on 9/24/2020. M-PI (Stauber and Costa). Total funding: \$1,131,029.00. Submitted on 9/24/2020.  
Role: Multi-Principal Investigator

### *Current*

Atlanta Global Research and Education Collaborative Aug 2021-Jun 2022  
Cultural Sensitivity Workshop – Building Bridges.  
Funding: \$9500.00.  
Role: Co-Investigator

Augusta University – Georgia State University Intramural Grant Jul 2021-Jun 2022  
Geographical Disparities in Healthcare Access and Livings Conditions on Mental Health and Cardiovascular Health: Longitudinal Analysis in the Central Savannah River Area.  
Total Funding: \$50,000.00  
Role: Co-Investigator

National Institute of Health Feb 2019- Jan 2022  
Title: Zika virus detecting in sewage: a novel epidemiologic surveillance tool, submitted to PAR 18-048.  
Total funding: \$417,465.00. Overall Impact Score 29. (1 year NCE)  
Role: Principal Investigator

CDC Foundation 08/31/2020-09/30/2021  
Title: The dynamics of the COVID-19 epidemic, highlighting the occurrence of Severe Acute Respiratory Syndrome (SARS) attributed to SARS-CoV-2 and its lethality in the state of Bahia, Brazil  
Role: Co-Investigator in collaboration with Federal University of Bahia

### *Completed Research Support*

#### *External*

Emory University Stauber (PI) Aug 2019-Aug 2021  
Title: Emory-Georgia TB Research Training Fellowship, Funding: \$45,110.  
The grant supports a doctoral student from the country of Georgia to train in the PhD program in Epidemiology at Georgia State University School of Public Health in collaboration with Emory through an NIH supported training center.

Task Force for Global Health Strasser (PI) Jun 2017- May 2018  
Title: Evaluation of Public Private Partnership activities at the International Laboratory Branch,  
Funding: \$150,000





Role: Director and Co-I, Title: Environmental Health Core for Center of Excellence in Health Disparities, Funding: \$724,509

World Health Organization, Center for Health Development, Kobe, Japan Jul 2011-Jun 2012  
Role: Co-I, Title: Concept Paper for Developing an Urban Health Metric, Funding: \$10,000

World Health Organization, Center for Health Development, Kobe, Japan Dec 2010- Feb 2011  
Role: Co-I, Title: Concept Paper for Developing an Urban Health Metric, Funding: \$6,500

Environmental Protection Agency's P<sup>3</sup> Award Sep 2007-May 2008  
Role: Co-PI, Title: Development and Evaluation of Three Simple, Low-Cost, Low-Tech Tests for Microbial Fecal Indicators in Drinking Water, Funding: \$10,000

Environmental Protection Agency's P<sup>3</sup> Award Sep 2004-May 2006  
Role: Co-PI, Title: Comparative Analysis of Three Point of Use Technologies, Funding: \$85,000

*Internal to Georgia State University*

Atlanta Global Studies Center, Curriculum Development White (PI) May 2021 – Aug 2021  
Projects in Luso-Brazilian Studies/Curriculum Development Proposal: "Public Health in the Luso-Brazilian Diaspora". Funding: \$2800.00. (White PI). Role: Co-Investigator.

Atlanta Global Research and Education Collaborative. Dec 2020- Jun 2021  
Title: Water quality monitoring network for highly impacted urban headwaters in metro Atlanta (GA). Funding: \$10,000. Milligan/Jelks (Co-PI). Role: I am Co-Investigator.

Faculty International Partnership Engagement Grant Stauber (PI) Jul 2020 – Jun 2021  
Title: Enhancing mHealth application interventions in sanitation  
Funding: \$3,500

The goal of this grant is to gather preliminary qualitative data to inform the development of culturally appropriate messages and technology application to deliver behavior change intervention in Salvador, Bahia, Brazil.

Virtual Exchange Initiative Stauber (PI) Spring 2020  
Title: Virtual Exchange in Environmental Health: Think Global, Act Local  
Funding: \$2,000

The goal of this initiative is to arrange a virtual exchange pilot program in an undergraduate environmental health course. We will engage with Brazilian students, researchers and community members to identify environmental health issues in communities in Salvador and Atlanta.

Faculty International Partnership Engagement Grant Stauber (PI) 9/1/2017-6/30/2018  
Title: Zika Virus Detection and Recovery in Sewage: A Novel Epidemiologic Surveillance Tool  
Funding: \$10,000

The goal of this grant is to gather preliminary laboratory data and work with Brazilian colleagues to write NIH grant to detect Zika virus in sewage.

Georgia State University Tripartite Collaboration (Hong Kong, South Africa) Jun – Dec 2017  
Role: Co-I, Title: Advance the tripartite collaboration: GSU, University of Cape Town, and Sun Yat-sen University (Hong, South Africa, GSU), Funding: \$10,000

Georgia State University Faculty International Partnership grant (Magee (PI) Jul 2015 – Jul 2016  
 Title: Hyperglycemia and diabetes mellitus among patients with active TB in Salvador, Brazil,  
 Funding: \$5,000  
 The goal of this project is to enhance the collaborative research project with colleagues from the  
 Institute of Collective Health at the Federal University of Bahia.  
 Role: Co-Investigator

Georgia State University Tripartite Collaboration (Hong Kong, South Africa) Jan 2015 – Jun 2015  
 Role: Co-I, Title: Proposal to establish a tripartite collaboration (Hong, South Africa, GSU),  
 Funding: \$10,000

Georgia State University School of Public Health Student Tech Fee Aug 2014 – Mar 2015  
 Role: PI, Title: Increasing computing capability and enhancing environmental health instruction,  
 Funding: \$29,160

Georgia State University Cities Grant (Renewal) Aug 2013 – Jul 2014  
 Role: Co-I, Title: Transnational Comparison of Urban Health Indicators and Indices, Funding:  
 \$84,000

Georgia State University Cities Grant Aug 2012 – Jul 2013  
 Role: Co-I, Title: Transnational Comparison of Urban Health Indicators and Indices, Funding:  
 \$100,000

Georgia State University Research Initiation Grant Jul 2011-Jun 2012  
 Role: PI, Title: Validation of a low-cost compartmentalized plastic bag test for *E. coli* in drinking  
 water in resource limited settings, Funding: \$10,000

Georgia State University and Centers for Disease Control and Prevention Oct 2009 – Sep 2011  
 Role: Co-PI, Title: Evaluation of education through listening (ETL), a community engagement  
 methodology, to promote the adoption of safe household water behaviors in Western Kenya,  
 Funding: \$100,000.

Georgia State University, International Strategic Initiatives Jul 2009 – Jun 2010  
 Role: PI, Title: Strengthening Collaboration on Research and Evaluation (SCORE) for Water and  
 Health in the Dominican Republic, Funding: \$11,000.

Georgia State University, College of Health and Human Sciences Intramural Grant  
 Dec 2008 – Dec 2009  
 Role: PI, Title: Evaluation of fecal bacterial contamination on children’s toys in a randomized  
 controlled trial of the plastic biosand filter in Honduras, Funding: \$5,000

**TEACHING ACTIVITIES (52 COURSES SINCE 2008)**

Term	Course Number	Course Title	Students
Fall 2021	PHPH 7019	Research Methods	32
Fall 2021	PHPH 8310	Environmental and Occupational Epidemiology	11
Sum 2021	PHPH 8800/4880	Virtual Study Abroad Brazil	11 (7/4)

Term	Course Number	Course Title	Students
Spring 2021	PHPH 7019	Research Methods	14
Spring 2021	PHPH 3030	Fundamentals of Environmental Health	42
Fall 2020	PHPH 8310	Environmental and Occupational Epidemiology	14
Fall 2020	PHPH 7019	Research Methods	26
Sum 2020	PH 8100/3800	Race, Culture and Health in Brazil	11 (7/4)
Spring 2020	PH 7150	Environmental Health	11
Spring 2020	PH 3030	Fundamentals of Environmental Health	13
Fall 2019	PH 7297	Global Water, Sanitation and Hygiene	9
Fall 2019	PH 8310	Environmental and Occupational Epidemiology	17
Sum 2019	PH 8880/4880	Race, Culture and Health in Brazil	14 (4/10)
Spring 2019	PH 7150	Environmental Health	12
Spring 2019	PH 3030	Fundamentals of Environmental Health	26
Fall 2018	PH 8310	Environmental and Occupational Epidemiology	8
Fall 2018	PH 7150	Environmental Health	24
Sum 2018	PH 8880/4880	Collective Health in Brazil	13 (9/4)
Spring 2018	PH 7150	Environmental Health	24
Spring 2018	PH 3030	Fundamentals of Environmental Health	19
Fall 2017	PH 7297	Global Water, Sanitation and Hygiene	10
Sum 2017	PH 7150	Environmental Health	25
Sum 2017	PH 8880/4880	Collective Health in Brazil	9 (6/3)
Fall 2016	PH 7150	Environmental Health	25
Sum 2016	PH 8100	Global Public Health Seminar in Brazil	9
Spring 2016	PH 7150	Environmental Health	26
Fall 2015	PH 7297	Global Water, Sanitation and Hygiene	10
Fall 2015	PH 7150	Environmental Health	25
Sum 2015	PH 8100	Global Public Health Seminar in Brazil	15
Fall 2014	PH 7540	Introduction to Public Health Laboratories	5
Fall 2014	PH 7150	Environmental Health	20
Spring 2014	PH 7280	Infectious Disease Epidemiology	13
Fall 2013	PH 7019	Research Methods	13
Fall 2013	PH 7297	Global Water, Sanitation and Hygiene	3

Term	Course Number	Course Title	Students
Spring 2013	PH 7280	Infectious Disease Epidemiology	19
Fall 2012	PH 7150	Environmental Health	32
Fall 2012	PH 7540	Introduction to Public Health Laboratories	7
Sum 2012	PH 7019	Research Methods	20
Spring 2012	PH 7150	Environmental Health	28
Spring 2012	PH 7280	Infectious Disease Epidemiology	21
Fall 2011	PH 7150	Environmental Health	19
Fall 2011	PH 7297	Global Water, Sanitation and Hygiene	6
Spring 2011	PH 7150	Environmental Health	19
Spring 2011	PH 7280	Infectious Disease Epidemiology	9
Fall 2010	PH 7150	Environmental Health	17
Fall 2010	PH 7540	Introduction to Public Health Laboratories	11
Sum 2010	PH 7150	Environmental Health	24
Spring 2010	PH 7150	Environmental Health	26
Spring 2010	PH 7280	Infectious Disease Epidemiology	17
Fall 2009	PH 7150	Environmental Health	33
Spring 2009	PH 7150	Environmental Health	22
Fall 2008	PH 7150	Environmental Health	28

## STUDENT MENTORING (47 COMMITTEE CHAIR ROLES, 26 COMMITTEE MEMBER ROLES)

### *Doctoral research advisor and committee chair (5 committees since 2011)*

Wellington Onyenwe, Environmental Health Doctoral Student, August 2017- present

Amy Schnall, Characterizing community preparedness and emergency supply kit possession in the United States – 2020-2021, DrPH (August 2021)

Tracy Ayers, Attributing Moderate-to-Severe Diarrhea (MSD) Cases to Etiologies and Exposures using the Global Enterics Multi-Center Study (GEMS), Kenya (May 2016)

Na'Taki Osborne-Jelks, Combined Environmental and Social Stressors in NW Atlanta's Proctor Creek Watershed: An Exploration of Expert Data and Community Knowledge (May 2016)

Katherine Schilling, Exploring leading causes of childhood morbidity using the Global Enterics Multicenter Study (GEMS), rural western Kenya, 2008-2012 (August 2015)

### *Doctoral committee member advising (4 committees since 2018)*

Shaunda Scruggs, Local Health Department Activities to Address Health Disparities: What Do Public Health Practitioners View as Impactful? DrPH (August 2021)

Kevin Zhu, Advancing Methods for Human Mitochondrial DNA in Fecal Source Tracking, (PhD at Georgia Institute of Technology), July 2021

Kimberly Erukunuakpor, Optimizing Personal Protective Equipment Use and Infection Prevention Behaviors to Protect Healthcare Workers (May 2021)

Marcio Santos da Natividade, Impacto das Condições de Vida na Morbimortalidade por Tuberculose no Brasil, Instituto de Saúde Coletiva, Universidade Federal da Bahia (Living Conditions and their impact on Tuberculosis Morbidity and Mortality in Brazil, Institute of Collective Health, Federal University of Bahia) (August 2018)

*MPH thesis/capstone committee chair (42 committees since 2008)*

Cailee Hill, Zika virus RNA persistence in sewage and environmental water, in progress for graduation, August 2021

Allegra Yelley, Developing and Disseminating a Children's Environmental Health Index with Web GIS, August 2021

Quonesha Douglas, Examination of Household Drinking Water Quality in the Dominican Republic, May 2020

Priya Nair, Risk perception of Zika virus and its impact on Zika preventative behaviors during pregnancy: Results from 2016-2017 Georgia Pregnancy Risk Assessment Monitoring data, December 2019

Keziah Illidge, A review of water governance policies in Accra, Ghana, May 2019

Aaron Muirhead, Zika virus RNA degradation in sewage, May 2019

Victoria Sanon, AN ANALYSIS CHILD HEALTH OUTCOMES ACROSS 57 CITIES USING 2003-2013 DEMOGRAPHIC AND HEALTH SURVEY DATA, August 2018

D. Aaron Vinson, THE EFFECT OF SENSOR RESOLUTION ON DETECTION OF VEGETATION IN THE CITY OF ATLANTA, GEORGIA IN JUNE 2011, May 2018

Abigail Monteiro, Evaluating Hand Hygiene Compliance Among Healthcare Workers in a Specialized Pediatric Hospital, May 2018

Breana Jones, The Benefits of Conditional Cash Transfer Programs in the Developed World: Investigating a Bolsa Familia Initiative in DeKalb County, GA, May 2016

Sydney Chan, Analysis of Data Collected in a Pilot Study of Residential Radon in DeKalb County in 2015, May 2016

Karla Feeser, An Analysis of the Microbial Quality of Packaged Drinking Water in Four Sites in Latin America, May 2016

Miriam Makali, Examining the Influence of HIV Status Upon the Access to Improved Water and Sanitation in Kenya 2008, May 2016

Sarah Tintle, Delivery Method and Breastfeeding, May 2016

Michelle Canady, An Evaluation of the Costs and Health Benefits Associated with an Overseas Voluntary HIV Screening Program for Refugees Undergoing Resettlement to the United States, Summer 2015

Decio Ribeiro Sarmiento, An Analysis of Access to Improved Drinking Water and Sanitation and Distance to Water Source in a Newly Independent Country, Timor—Leste: Assessing Geographic and Socioeconomic, May 2015

Taryn Mecher, Contributing Factors in a Successful Foodborne Outbreak Investigation: an Analysis of Data Collected by the Foodborne Diseases Active Surveillance Network (FoodNet), 2003-2010, December 2014

Andrea Decker, Associations between Butylparaben and Thyroid Levels in Females Aged 12 and over (NHANES, 2007-2008, December 2014

Natalie Blanton, A Comparison of Selected Pre-Final Decision and Completed Superfund Sites in EPA Region 4, December 2014.

Amanda Conrad, Trends in Vibriosis among the top four Vibrio serotypes, United States, 1988-2012, December 2013

Kristen Oliver, An Analysis of Selected Predictive Factors Associated with Adolescent HPV Vaccination Initiation and Completion Rates in the United States: 2011 National Immunization Survey - Teen, December 2013

Candace Miller, Evaluation of the Compartment Bag Test for the Detection of Escherichia coli in Drinking Water, May 2013

Brittany Cantrell, An Evaluation of a Water, Sanitation, and Hygiene Program in Rural Communities Outside Port-Au-Prince, Haiti, May 2013

Marian Maddox, Trends In Bicycling Knowledge, Attitudes and Behavior at An Urban University, May 2013

Angela Hardin, The test for H<sub>2</sub>S production: Analysis of correlation to fecal indicators and risk of diarrheal disease in Bonao, Dominican Republic, December 2012

David Turgeon, Evaluation and Determination of the Sensitivity and Specificity of a Treponema Pallidum Dried Blood Spot Method For Serologic Diagnosis Of Syphilis, December 2012

Christina Conrardy, Evaluation of the Integrated Mass Drug Administrations for Neglected Tropical Diseases in Koza District, Cameroon, December 2012

Arlyn Nathalia Sanchez-Gleaton, Perceptions of Water, Sanitation and Hygiene Interventions in Select Communities in Central America. Recommendations to Explore the Issue of Sustainability, December 2012

Andrea Mpogui, Consumption of Rainwater and Diarrheal Disease in Children under Five in the Dominican Republic from 2002 to 2007, August 2012

Andrea Torres, The Bogota Ciclovia-Recreativa and Cicloruta Programs: Promising Interventions to Promote Physical Activity, and Social Capital in the City of Bogota, December 2011

Sarah Anderson, Exposure Assessment of Polybrominated Diphenyl Ethers in Dust – A Study of Potential Exposure and Examination of Concentration Distribution Sieved to Particle Sizes between 500 and 38 µm, December 2011

Kate Kroell, A Comparison of Indicators of Female Empowerment and Selected Socioeconomic Indicators in India from the 1998-1999 and the 2005-2006 Demographic and Health Surveys, December 2011

Anyess Travers, A Systematic Review Examining the Added Value of Water, Sanitation, and Hygiene Interventions for Preventive Chemotherapy Programs on Reducing the Prevalence of Trachoma, December 2010

Lindy Liu, An Analysis of Household Reported Health Status and Socio-demographic Characteristics Associated with Adolescent Influenza Vaccination Rates in the United States: 2008 National Immunization Survey- Teen, December 2010

Shannon Kraft, An Examination of the Relationship between Drinking Water Quality Indicators and Self-Reported Diarrheal Disease: a Prospective Cohort Study in Bonao, Dominican Republic 2005-2006, May 2010

Subash Patel, Assessment of Existing Mercury Fact Sheets for Development of a Revised Mercury Fact Sheet, May 2010

Dlorah Jenkins, Examining the Influence of Economic and Political Factors Upon Access to Improved Water and Sanitation in Select African Nations, 2005-2008, May 2010

Jessica Mastrodomenico, An Examination of the Socio-Demographic Characteristics Associated with Adult Vaccination Prevalence for Preventable Diseases in the United States, May 2010

Nancy Pope, An Examination of Socio-Demographic Characteristics and Perceptions of Cycling Among Students at Georgia State University, May 2010

Kathryn Holt, A Survey of Water Storage Practices and Beliefs in Households in Bonao, Dominican Republic In 2005, December 2009

Dana Timar, Comparing Obesity Trends in Rural Versus Urban Peru from 1991 to 2005, December 2009

Melannie Alexander, Analysis of the Association of Pesticide Exposure and Onset of Wheeze and Asthma in Early Childhood among Puerto Rican Children in New York City, 2002-2004, August 2009

*MPH thesis/capstone committee member (22 committees since 2008)*

Lacy Davis, Examining Mycofiltration Efficacy in a First Order Stream, (MS in Geosciences), May 2021

Anam Syed, *E. coli* in Tanyard Creek: An Analysis of the Temporal and Spatial Patterns and the Influence of Rainfall, May 2020

Forrest Strickland, AUGMENTING COASTAL GEORGIA'S FRESH-WATER SUPPLY WHILE REDUCING LOCAL SALT-WATER INTRUSION INTO GROUNDWATER RESERVOIRS, December 2019

Cody Clemmons, Recovery and Survival of phi-6 and MS-2 on shroud PAPR material, May 2019

Aja Jagne, Developing of World Health Organization Fact Sheets for Viruses, December 2018

Michael Kshatri, Validation of viral inactivation by a heat inactivation effluent discharge system in a high containment research laboratory using viral surrogates Phi6 and MS2, May 2018

Rebecca Ament, Assessment of Program Evaluability: Atlanta Streets Alive, December 2017

Diana Orquiola, Descriptive analysis of Escherichia coli collected by the Chattahoochee Riverkeeper (CRK) Neighborhood Water Watch (NWW) program along the Chattahoochee River and its lakes and tributaries, August 2017

Olasunkanmi Sunmonu, The Sensitivity of Pseudomonas Agar Plaque Assay in the Isolation of Bacteriophage  $\Phi$ 6 in the Environment: A pilot study, May 2017

Omenka Uchendu, Household Waste Disposal Laws in the Federal Republic of Nigeria, August 2016

Ashley Boyer, Water Accessibility: Tapping into Water Governance, August 2016

Darian Morgan, Spatial and Temporal Variation in Water Quality along an Urban Stretch of the Chattahoochee River and Proctor Creek in Atlanta, GA, 2014, May 2016

Kimberly Erukunuakpor, Identification, Enumeration and Physiological Characteristics of Extended-Spectrum Beta-Lactamase (ESBL) producing *Klebsiella pneumoniae*, May 2016

Weiyu Chen, The survival and recovery of  $\Phi 6$  virus from tyvek, May 2016

Travis Brown, Disinfectant Efficacy on Tyvek Suit Surfaces using Bacteriophage  $\phi 6$ : A Surrogate for Enveloped Viruses, December 2015

Jessica Wilson, The Efficacy of Utilizing Chitosan as an Antiviral Agent in Water Treatment, May 2015

Dominique Smith, Spatial and Temporal Variations in Water Quality along an Urban Stretch of the Chattahoochee River, May 2015

Alfred Douba, An Analysis of Risk Factors for Incomplete Immunization for Children in Côte d'Ivoire: Examination of 1998-1999 and 2011-2012 Demographic and Health Survey Data, December 2014

Betehelm Waka, Survival and Inactivation of Bacteriophage  $\Phi 6$  on N95 Respirator Material, December 2012

Mbuyi M. Kobongo, Impact of Schistosomiasis in Kasansa Health Zone in Democratic Republic of Congo, May 2012

Anna Fabiszewski, The Microbiological and Health Impact of the Hydraid™ Plastic-Housing Biosand Filter in Rural Honduras: A Randomized-Controlled Trial in Santa Rosa De Copan, MSPH (University of North Carolina-Chapel Hill), May 2010

Stephanie Kuhn, Household Drinking Water Filtration Technologies Used to Improve Microbiological Water Quality and Reduce Diarrhea in Developing Countries: A Systematic Review and Meta-Analysis, MSPH (University of North Carolina-Chapel Hill), December 2010

## HONORS, AWARDS, RECOGNITIONS

### *Faculty Awards*

Global Studies Institute Fellow, Internal Residency	Spring 2017
Environmental Community Action, Inc. - Environmental Hero Award	2014
Fulbright Science without Borders Scholar to Brazil	2014

### *Graduate Student Awards*

Dissertation Completion Fellowship	Aug 2006-May 2007
Fulbright Student Award	Jan 2005-Mar 2006
New Aid Foundation Award	Jan 2005-Jan 2006
Graduate Assistantship in Areas of National Need	Jan 2003-Jan 2004
Foreign Language and Area Studies-Brazil	Jun 2003-Aug 2003
American Society for Microbiology Student Travel Award	May 2000
Tinker Foundation for Field Study, Panama	Jun 1999



## SERVICE TO THE SCHOOL AND UNIVERSITY

### *University Service*

Alliance for Water and Cities	Summer 2018-present
International Council Committee (Office of International Initiatives)	Spring 2018-present
Next Generation Proposal Review Committee	Spring 2018-Spring 2019
Brazil Task Force	2012-2017
Institutional Biosafety Committee	2009-2012

### *School of Public Health Service*

School of Public Health Dean Search Committee	Spring 2021
Diversity Council	Spring 2021-present
Taskforce for Racial Equity	Summer, Fall 2020
PhD Program Committee	2012-2016, 2019-present
Academic Affairs Committee	2011-2016, 2019-present
Department Pretenure Review Committee (Member)	Spring 2020
Department Promotion and Tenure Committee (Chair)	Fall 2019
Fall Academic Admissions Committee	Spring 2019
Fulbright Scholars Conference Planning Committee (Chair in 2018)	2016-2018
Academic Reorganization Group	Fall 2017
Promotion Committee (Non-tenure track)	2016-2017
Doctoral Program Committee	2012-2016
Academic Affairs Committee	2011-2016
Student Affairs Committee	2011-2012
Promotion and Tenure Manual Committee	2012
Health Disparities Summit Planning Committee	2012-2013
Academic Program Review Committee	2009-2010
Public Health Grand Rounds Seminar	2009-2010
PhD Program Development Proposal Committee	2009
Faculty Search Committees (11 different committees)	2009-2018

## PROFESSIONAL SERVICE

Committee Member, National Academy of Science, Engineering and Medicine, Committee to Review the Watershed Protection Plan for New York City	Spring 2018- Spring 2020
Section Editor, American Journal of Tropical Medicine and Hygiene,	Aug 2017- Present
Associate Editor, BMJ Public Health, Environmental Health Section	Spring 2018- Fall 2019
Fulbright Association of Georgia Board of Directors, Secretary and Member	Mar 2016- April 2018

### *Ad hoc Reviewer*

American Journal of Tropical Medicine and Hygiene
Annals of Epidemiology

BMC Public Health  
 Environmental Health  
 Environmental Science and Technology  
 Epidemiology and Infection  
 International Journal of Hygiene and Environmental Health  
 Journal of Applied Microbiology  
 Journal of Water, Sanitation, and Hygiene for Development  
 Journal of Water and Health  
 PLOS One  
 npj  
 Science of the Total Environment  
 Water Research  
 Water

*Grant Reviewer*

National Institute of Health, Emergency Awards, IDIB-S90 (M1)	Summer 2021
National Institute of Health, Emergency Awards, ZAI1 FDS- W (M1)	Winter 2021
National Institute of Health, Small Grants ZRG1 PSE-N 90 Study Section	Fall 2017
National Institute of Occupational Safety and Health, Training Grant Review	Fall 2015
Environmental Protection Agency Science to Achieve Results, Graduate Fellowship	Fall 2015

*Conference Abstract Reviewer*

UNC Water and Health: Where Science Meets Policy	2012-2016
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*Conference Symposium Organizer*

American Society of Tropical Medicine and Hygiene	2010, 2012
UNC Water and Health: Where Science Meets Policy	2014

*Consulting Services (Paid)*

Samaritan's Purse	2012-2013
University of North Carolina, Dept. of Environmental Sciences and Engineering	2009-2012
United States Agency for International Development	2010
World Bank, Water and Sanitation Program	2007-2012

ORAL PRESENTATIONS

TL Ayers, J Tate, R Luo, R Omoro, JB Ochieng, AA Ondeng, TH Farag, D Nasrin, S Panchalingam, JP Nataro, KL Kotloff, MM Levine, J Oundo, M Parsons, K Laserson, C Stauber, U Parashar, E Mintz, R Breiman, CE O'Reilly, RM Hoekstra. Identifying Clinical Profiles to Distinguish Rotavirus from other Etiologies Among Children <5 Years of Age Seeking Care for Moderate to Severe Diarrhea in Rural Western Kenya. Annual meeting of the American Society for Tropical Medicine and Hygiene, Atlanta, GA, November 2017. Refereed, Podium, International.

Stauber C.E. R. Rothenberg, D. Dai, S. Weaver. Urban Health and Disparities: A comparison of 57 Cities. Water and Health: Where Science Meets Policy. Chapel Hill, NC, October 2017. Refereed, Podium, International.

Stauber, C., Natividade, M.\*, SR Weaver, D Dai, R Luo, R Rothenberg, M Kano, A Prasad, ML Barreto, EA Mota. Examining Social Determinants of Health in Salvador, Bahia, Brazil, International Symposium on Minority Health and Health Disparities, 2014. Refereed, Podium, International.

Stauber, C. B. Person, K. Schilling\*, R. Otieno, I. Sadumah, J. Oremo, B. Nygren, R. Quick. Evaluation of Education through Listening, a community engagement methodology, to promote adoption of safe household water treatment behaviors in communities in Western Kenya. Annual meeting of the American Society for Tropical Medicine and Hygiene, Atlanta, GA, November 2012. Refereed, Podium, International.

Stauber, C.E., B. Person, K. Schilling\*, R. Otieno, I. Sadumah, R. Quick. A Comparison of Reported Use of Three Independently Implemented Water Treatment Technologies in Kenyan Villages. *Water and Health: Where Science Meets Policy*. Chapel Hill, NC, October 2012. Refereed, Podium, International.

Stauber C.E. R. Rothenberg, D. Dai, S. Weaver. An Urban Health Index: preliminary construction. Annual meeting of the International Conference on Urban Health, Belo Horizonte, Brazil, November 2011. Invited, Podium, International.

Stauber C.E. A. Torres\*, R. Serna, K. Sobush, K. Kroell. A community-based program to promote physical activity on downtown city streets in Atlanta. Annual meeting of the American Public Health Association, Washington, DC, November 2011. Refereed, Podium, National.

Stauber C.E. Scaling Water, Sanitation and Hygiene: RCT's: How good is the evidence for effective and sustained use over time? Symposium Presentation, Annual meeting of the American Society for Tropical Medicine and Hygiene, Atlanta, GA, November 2010. Refereed, Panel, International.

Stauber, C.E., E.L. Printy, A.M. Fabiszewski\*, B.C. Kominek, A.R. Walters, K. R. Liang and M.D. Sobsey. 2009. Randomized Controlled Trials of a Plastic Housing Biosand Filter in Cambodia, Ghana and Honduras. Annual meeting of the American Society of Tropical Medicine and Hygiene, Washington, D.C., November, 2009. Refereed, Podium, International.

Stauber, C.E., M.A. Elliott, F.A. DiGiano and M.D. Sobsey. 2009. Longitudinal Evaluation and Comparison of the Performance of the Biosand Filter in Laboratory Studies and a Field Study in Bonao, Dominican Republic. *Water Environment Federation, Disinfection 2009*, Atlanta, GA. March 2009. Refereed, Podium, International.

Stauber, C.E., G.M. Ortiz, K.R. Liang, B.A. Aiken\*, and M.D. Sobsey. The Biosand Filter: A Robust and Sustainable Technology for Household Water Treatment in Developing Countries. International Society for Environmental Exposure – Annual Meeting. Pasadena, California. October 2008. Refereed, Podium, International.

Stauber, C.E., G.M. Ortiz, B.A. Aiken\*, and M.D. Sobsey. Sustained Health Impact by the Biosand Filter in Bonao, Dominican Republic: Evidence from 2005-2007 Presentation. International Network for Household Water Treatment and Safe Storage – Annual Meeting. Accra, Ghana. May 2008. Refereed, Podium, International.

Stauber, C.E., G.M. Ortiz and M.D. Sobsey. The health impact of the biosand filter in Bonao, Dominican Republic. Presentation. American Society for Tropical Medicine and Hygiene, Philadelphia. November, 2007.

Stauber, C.E., G.M. Ortiz and M.D. Sobsey. Diarrheal disease and household drinking water quality in Bonao, Dominican Republic. Presentation. American Society for Tropical Medicine and Hygiene, Atlanta. November, 2006.

Sobsey, M.D. and C.E. Stauber. Water quality monitoring in practice. Invited Presentation, Workshop on water quality monitoring in developing countries – new initiatives, International Water Association Biennial Congress, Beijing, China. September, 2006.

Stauber, C.E., G.M. Ortiz, M.A. Elliott and M.D. Sobsey. Field sampling of the biosand filter for microbial reductions from household drinking water in the Dominican Republic. Presentation. Agua 2005, Cali, Colombia. November, 2005.

Stauber, C.E., M.A. Elliott, F. Koksall, G.M. Ortiz, F.A. DiGiano and M.D. Sobsey. Characterization of the biosand filter for E. coli reductions from household drinking water under controlled laboratory conditions and field use conditions. Presentation. International Water Association, Health Related Water Microbiology Biennial Conference, Swansea, Wales, U.K., September, 2005.

Stauber, C.E., M.A. Elliott, F. Koksall, G.M. Ortiz, K. Liang, F.A. DiGiano, and M.D. Sobsey. Microbial reductions in intermittently operated slow sand filters under controlled laboratory conditions and in the field. Presentation. WHO International Network for Household Water Treatment and Safe Storage. Bangkok, Thailand. June, 2005.

#### POSTER PRESENTATIONS

\*Muirhead, A., Zhu, K., Brown, J., Brinton, M., Costa, F., Hayat, M., and Stauber, C. Zika Virus RNA Degradation in Municipal Wastewater. Annual meeting of the American Society for Tropical Medicine and Hygiene, Atlanta, GA, November 2019. Refereed, International.

Knee, J., Stauber, C.E., N. Dada, A. Vannavong, H. Overgaard, T. A. Stenstrom, M. Sobsey. Evaluation of the quality and microbiologic safety of stored rainwater as a drinking water source for communities in Khon Kaen, Thailand. Annual meeting of the American Society for Tropical Medicine and Hygiene, Atlanta, GA, November 2012. Refereed, International.

Stauber, C.E., S. Strasser, S. Chee and R. Cantwell. Monitoring and Evaluation of Biosand Filter Implementation as a Tool for Program Management and Improvement. Poster, Water and Health: Where Science Meets Policy. Chapel Hill, NC, October 2012. Refereed, International.

\*Holt, K., G.M. Ortiz, M.D. Sobsey and C.E. Stauber. An Examination of Household Drinking Water Storage and Management Practices in Bonao, Dominican Republic from September 2005-January 2006. Annual meeting of the American Society for Tropical Medicine and Hygiene, Atlanta, GA, November 2010. Refereed, International.

\*Kraft, S, G.M. Ortiz, M.D. Sobsey and C.E. Stauber. An Examination of the Relationship Between Levels of Drinking Water Quality Indicators and the Occurrence of Self-Reported Diarrheal Disease: A Five-Month Prospective Cohort Study in the Dominican Republic, 2005-2006. Annual meeting of the American Society for Tropical Medicine and Hygiene, Atlanta, GA, November 2010. Refereed, International.

\*Jenkins, D., C.E. Stauber, and M. Swahn. Examining the Influence of Economic and Political Factors Upon Access to Improved Water and Sanitation in Select African Nations, 2005-2008. Annual meeting of the American Society for Tropical Medicine and Hygiene, Atlanta, GA, November 2010. Refereed, International.

\*Carter, R., E. Gonzalez, and C.E. Stauber. Strengthening Collaborations for Research and Evaluation in the Dominican Republic: A Pilot Survey of 100 Biosand Filters. Poster, Water and Health: Where Science Meets Policy. Chapel Hill, NC, October 2010. Refereed, International.

J.A. Steward, Stauber, C., Lunch, V., Pope, N. and Martin, L. Bicycling for Transportation: Challenges for an Urban Campus. International Conference on Urban Health Research, New York, NY, October 2010. Refereed, International.

\*Kuhn, S, C. Poole, L. Casanova, C. Stauber and M. D. Sobsey. 2009. Household Drinking Water Filtration Technologies to Reduce Diarrheal Disease in Developing Countries: A Systematic Review and Meta-analysis. Annual meeting of the American Society of Tropical Medicine and Hygiene, Washington, D.C., November, 2009. Refereed, International.

Stauber C.E., A.R. Walsh, and M.D. Sobsey. The impact of the plastic biosand filter on E. coli levels on children's toys: a pilot study. Annual meeting of the American Public Health Association, Philadelphia, PA, November 2009. Refereed, International.

Murphy, J.L., C.E. Stauber, and M.D. Sobsey. 2009. Evaluation of a Simple, Portable Field Test to Detect Microbial Indicators of Fecal Contamination in Water in Cambodia. Poster, Health-Related Water Microbiology Conference, Greece, May 2009. Refereed, International.

Stauber, C.E., E.L. Printy, A.M. Fabiszewski, B.C. Kominek, A.R. Walters, K. R. Liang and M.D. Sobsey. 2009. Field Performance of the Plastic Biosand Filter in Cambodia, Ghana and Honduras. Health-Related Water Microbiology Conference, Greece, May 2009. Refereed, International.

\*Lusk, T.S., Stauber, C.E and M.D. Sobsey. Comparison of E. coli methods for detection in water: the effect of incubation time and temperature. General Meeting of the American Society for Microbiology, Boston. May, 2008. Refereed, International.

Casanova, L., McMahan L, Sobsey MD, Stauber, C. Evaluation of a quantitative test for hydrogen sulfide producing bacteria to predict drinking water quality. General Meeting of the American Society of Microbiology, Boston, MA. May 2008. Refereed, International.

Russell, M.D., M.T. Correa, C.E. Stauber, and J.A. Kase. Intestinal parasitism among Hispanic migrant and seasonal farmworkers in Eastern North Carolina. International Conference on Emerging Infectious Diseases. Atlanta. March, 2008. Refereed, International.

Stauber, C.E and M.D. Sobsey. Evaluation of the H<sub>2</sub>S test for detection of fecal contamination of drinking water in Bonao, Dominican Republic. Poster. American Society for Microbiology, Toronto. May, 2007.

Ortiz, G.M., C.E. Stauber, and M. D. Sobsey. Diarrheal disease, household drinking water types and their bacteriological quality in communities near Bonao, Dominican Republic: results from a summer survey. Poster. International Conference on Emerging Infectious Diseases. Atlanta. March, 2006.

Stauber, C.E., M.A. Elliott, F. Koksall, F.A. DiGiano, and M.D. Sobsey. Reduction of bacteria and viruses via intermittently operated slow sand filtration. Poster. American Society for Microbiology. June, 2005.

Stauber, C.E., K.E. Blauth, N. Van Abel, S.P. Nappier and M.D. Sobsey. Inactivation of viruses, bacteria and parasites in fecal matter under controlled desiccating conditions. Poster. American Society for Microbiology. June, 2005.

\* indicates student included as author