

CURRICULUM VITAE

Amir Sapkota, Ph.D.

Personal Information

University of Maryland School of Public Health
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Education

- 2005 **Johns Hopkins University Bloomberg School of Public Health**, Baltimore, MD
Doctor of Philosophy in Environmental Health Sciences, 1999-2005
Certificate in Risk Sciences and Public Policy, 2001
Advisor: Timothy J. Buckley, PhD, CIH
- 1998 **Clark University**, Worcester, MA
Bachelor of Science in Chemistry
- 1998 **Clark University**, Worcester, MA
Bachelor of Science in Environmental Sciences

Post-doctoral Training

- 2005-2007 **International Agency for Research on Cancer (IARC)**,
Gene Environment Epidemiology Group, Lyon, France
Advisor: Paolo Boffetta, MD, MPH
- 2005 **Johns Hopkins University Bloomberg School of Public Health**, Baltimore, MD
Department of Environmental Health Sciences
Advisor: Rolf U. Halden, PhD

Employment

9/19-Present	Professor Director, Exposome Small Molecule Core Facility University of Maryland School of Public Health Maryland Institute for Applied Environmental Health College Park, MD
08/14-8/19	Associate Professor University of Maryland School of Public Health Maryland Institute for Applied Environmental Health College Park, MD
05/03-Present	Affiliate Faculty University of Maryland School of Medicine 665 W. Baltimore Street Baltimore MD 21201
1/10-Present	Affiliate Faculty University of Maryland Maryland Population Research Center College Park, MD
1/09-Present	Affiliate Faculty University of Maryland Marine Estuarine Environmental Sciences Graduate Program College Park, MD
05/07-08/14	Assistant Professor University of Maryland School of Public Health Maryland Institute for Applied Environmental Health College Park, MD
10/05-05/07	Post-doctoral Fellow International Agency for Research on Cancer (IARC) Gene Environment Epidemiology Group, Lyon, France
09/04-09/05	Post-doctoral Fellow Johns Hopkins University Bloomberg School of Public Health Department of Environmental Health Sciences, Baltimore, MD
08/99-09/04	Research Assistant Johns Hopkins University Bloomberg School of Public Health

Department of Environmental Health Sciences, Baltimore, MD

04/04-05/04	Research Assistant Nepal Nutritional Intervention Project Sarlahi (NNIPS), Kathmandu, Nepal
05/00-08/00	Fellow Tobacco Free Initiative World Health Organization, Geneva, Switzerland
03/98-08/99	Chemist Harvard School of Public Health, Boston, MA. Environmental Health Sciences
01/94-08/98	Research Assistant Clark University, Worcester, MA Department of Chemistry

Publications

- †denotes corresponding author
- #denotes advised undergraduate students
- *denotes advised graduate students
- ** denotes advised post-doctoral students.

Publication Statistics:

- According to google scholar, my work has been cited 13,189 times, with an average of 235 citations per paper. **My overall h-index is 29 and i-index is 44.**
<https://scholar.google.com/citations?user=vM8k5mwAAAAJ&hl=en&oi=ao>

Articles Published or In Press in Peer-reviewed Journals

1. **Sapkota A**, and Buckley TJ. The mobile source effect on curbside 1,3-butadiene, benzene, and particle-bound polycyclic aromatic hydrocarbons assessed at a tollbooth. Journal of Air and Waste Management Association 53:740-748 (2003). **Impact Factor 1.742. Times Cited: 42.**
Contribution of Amir Sapkota: Designed the study, obtained seed grant to support the study, conducted field sampling and laboratory analysis of the data, performed statistical analysis and wrote the manuscript.
2. **Sapkota A**, Williams D, and Buckley TJ. Tollbooth workers and mobile source-related hazardous air pollutants: how protective is the indoor environment? Environmental Science & Technology, 39: 2936-2943 (2005). **Impact Factor 6.198. Times Cited: 25.**

Contribution of Amir Sapkota: Designed the study, obtained seed grant to support the study, conducted field sampling and laboratory analysis of the data, performed statistical analysis and wrote the manuscript.

3. **Sapkota A**, Symons JM, Kleissl J, Wang L, Parlange MB, Ondov J, Breyse PN, Diette GB, Eggleston PA, and Buckley TJ. The impact of 2002 Canadian forest fires on the air quality in Baltimore City. *Environmental Science & Technology* 39: 24-32 (2005). **Impact Factor 6.198. Times Cited: 189.**
Contribution of Amir Sapkota: Designed the study using existing data, performed statistical analysis, played lead role in drafting of the manuscript.
4. **Sapkota A[†]**, Halden R, Groopman JD, Dominici F, and Buckley TJ. Urinary biomarkers of 1,3-butadiene in environmental settings using liquid chromatography isotope dilution tandem mass spectrometry. *Chemico-Biological Interactions*, 160: 70-79 (2006). **Impact Factor 2.577. Times Cited: 30.**
Contribution of Amir Sapkota: Designed the study, obtained seed grant to support the study, conducted field sampling and laboratory analysis of the data, performed statistical analysis and wrote the manuscript, and served as a corresponding author.
5. Heidler J, **Sapkota A**, and Halden RU. Persistence, partitioning and accumulation of the topical antiseptic triclocarban in digested municipal sludge during conventional full-scale wastewater treatment. *Environmental Science & Technology* 40(11) 3634-3639. (2006). **Impact Factor 6.198. Times Cited: 235.**
Contribution of Amir Sapkota: Conducted laboratory analysis, wrote a part of the manuscript.
6. **Sapkota A**, Heidler J, and Halden R. Detection of triclocarban and two co-contaminating chlorocarbanilides in US aquatic environments using isotope dilution liquid chromatography tandem mass spectrometry. *Environmental Research*, 103: 21-29 (2007). **Impact Factor 4.744. Times Cited: 116.**
Contribution of Amir Sapkota: Conducted laboratory analysis, performed statistical analysis, drafted the entire manuscript.
7. McClean MD, Rinehart RD, **Sapkota A**, Cavallari JM, Herrick RF. Dermal Exposure and Urinary 1-Hydroxypyrene among Asphalt Roofing Workers. *J Occup Environ Hyg*, 4 Suppl 1:118-26 (2007). **Impact Factor 1.462. Times Cited: 14.**
Contribution of Amir Sapkota: Conducted laboratory analysis, assisted in preparation of the manuscript.
8. **Sapkota A**, Gajalakshmi V, Jetly DH, Roychowdhury S, Dikshit RP, Brennan P, Hashibe M, Boffetta P. Smokeless Tobacco and Increased Risk of Hypopharyngeal and Laryngeal Cancers: A Multicentric Case-Control Study from India. *International Journal of Cancer*, 121(8):1793-8 (2007). **Impact Factor 7.360. Times Cited: 67.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis based on existing data, performed statistical analysis for the manuscript, drafted the entire manuscript.
9. **Sapkota A**, Gajalakshmi V, Jetly DH, Roychowdhury S, Dikshit RP, Brennan P, Hashibe M, Boffetta P. Indoor air pollution from solid fuel usage and risk of hypopharyngeal laryngeal and lung Cancer: A multicentric case-control study from India. *International Journal of Epidemiology*, 37(2):321-328 (2008). **Impact Factor 7.522. Times Cited: 108.**

Contribution of Amir Sapkota: Conceptualized the study hypothesis based on existing data, performed statistical analysis for the manuscript, drafted the entire manuscript.

10. **Sapkota A**, Hsu CC, Zaridze D, Shangina O, Szeszenia-Dabrowska N, Mates D, Fabiánová E, Rudnai P, Janout V, Holcatova I, Brennan P, Boffetta P, Hashibe M. Dietary Risk Factors for Squamous Cell Carcinoma of the Upper Aerodigestive Tract in Central and Eastern Europe. *Cancer Causes and Control*, 19(10): 1161-1170 (2008). **Impact Factor 2.728. Times Cited: 96.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis based on existing data, performed statistical analysis for the manuscript, drafted the entire manuscript.
11. Young T, Heidler J, Matos C, **Sapkota A**, Toler T, Gibson K, Schwab K, Halden R. Ab Initio and In Situ Comparison of Organic Wastewater Compounds as Indicators of Sewage-derived Microbes in Surface Waters. *Environmental Science and Technology*, 42(9): 3335-3340 (2008). **Impact Factor 6.198. Times Cited: 84.**
Contribution of Amir Sapkota: Conducted laboratory analysis, wrote a part of the manuscript.
12. **Sapkota A**[†], Sapkota AR, Kucharski M, Burke J#, McKenzie S, Walker P, Lawrence R. Aquaculture and human health: Current knowledge and future priorities. *Environment International*, 34(8): 1215-1226 (2008). **Impact Factor 7.297. Times Cited: 508.**
Contribution of Amir Sapkota: Conducted systematic review of the literature, drafted the manuscript and served as a corresponding author.
13. Heck JE, **Sapkota A**, Vendhan G, Jetly DH, Roychowdhury S, Dikshit RP, Brennan P, Hashibe M, and Boffetta P. Diet and Hypopharyngeal Cancer: Results from a Multicenter Study in India. *Cancer Causes and Control*, 19(10): 1329-1337 (2008). **Impact Factor 2.728. Times Cited: 27.**
Contribution of Amir Sapkota: Performed statistical analysis for the manuscript and drafted part of the manuscript.
14. Hosgood D, Wei H, **Sapkota A**, Choudhury I, Bruce N, Rothman N, Lan Q. Household coal use and lung cancer: systematic review and meta-analysis of case-control studies, with an emphasis on geographic variation. *International Journal of Epidemiology* 40(3):719-28 (2011). **Impact Factor 7.522. Times Cited: 89.**
Contribution of Amir Sapkota: Assisted in literature review, and drafting of the manuscript.
15. Hashibe M, Siwakoti B, Wei M, Thakur BK, Pun CB, Shrestha BM, Burningham Z, Lee YC, **Sapkota A**. Socioeconomic status and lung cancer risk in Nepal, *Asian Pac J Cancer Prev*. 12(4):1083-8, (2011). **Impact Factor 2.52. Times Cited: 18.**
Contribution of Amir Sapkota: Designed the study, drafted survey instruments, trained field staffs, helped in statistical analysis, wrote a part of the manuscript, and served as a senior author.
16. Biswas S*, McGrath JM, **Sapkota A**[†]. Quantification of ionophores in aged poultry litter using liquid chromatography tandem mass spectrometry. *J Environ Sci Health B*. 47(10):959-66 (2012). **Impact Factor 1.273. Times Cited: 8.**
Contribution of Amir Sapkota: Supervised laboratory analysis, supervised manuscript preparation, and served as a corresponding author.

17. Parker JD, Kravets N, Nachman K, **Sapkota A**. Linkage of the 1999-2008 National Health and Nutrition Examination Surveys to traffic indicators from the National Highway Planning Network. *Natl Health Stat Report*. 45:1-16, (2012). **Impact Factor: NA. Times Cited: 9.**
Contribution of Amir Sapkota: Designed the study, created exposure metrics, wrote parts of the manuscript, served as the senior author.
18. Kerridge BT*, Khan MR, and **Sapkota A**. Terrorism, civil war, one-sided violence and global burden of disease. *Medicine, Conflict and Survival*. 28(3):199-218, (2012). **Impact Factor: None. Times Cited: 6.**
Contribution of Amir Sapkota: Supervised data analysis, manuscript preparation and served as a senior author.
19. Rosenberg-Goldstein RE, Micallef SA., George A., Gibbs SG., **Sapkota A.**, Joseph SW. and Sapkota AR. Methicillin-resistant *Staphylococcus aureus* (MRSA) detected at four U.S. wastewater treatment plants. *Environ Health Perspect*. 120(11):1551-1558, (2012). **Impact Factor 8.309. Times Cited: 79.**
Contribution of Amir Sapkota: Co-investigator in the grant application, assisted in the study design, helped with the manuscript preparation.
20. Reid BC, Ghazarian AA, Demarini DM, **Sapkota A**, Jack D, Lan Q, Winn DM, Birnbaum LS. Research Opportunities for Cancer Associated with Indoor Air Pollution from Solid-Fuel Combustion. *Environ Health Perspect*. 120(11): 1495-1498 (2012). **Impact Factor 8.309. Times Cited: 31.**
Contribution of Amir Sapkota: Served as a member of the expert working group, conducted literature review, provided critical input on research needs, wrote part of the manuscript.
21. **Sapkota A**†, Chelikowsky AP*, Nachman KE, Cohen AJ, Ritz B. Exposure to Particulate Matter and Adverse Birth Outcomes: A Comprehensive Review and Meta Analysis. *Air Quality, Atmosphere and Health*. 5(4): 369-381, (2012). **Impact Factor 2.662. Times Cited: 140.**
Contribution of Amir Sapkota: Designed the study, conducted comprehensive review and meta-analysis, wrote the manuscript and served as a corresponding author.
22. Lim SS, Vos T, ... **Sapkota A** et al. A comparative risk assessment of burden of disease and injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet*. 380(9859):2224-2260, (2012). **Impact Factor 47.83. Times Cited: 8217.**
Contribution of Amir Sapkota: Served as a member of the expert working group, assisted with acquisition of data and critical revision of the manuscript for important intellectual content.
23. **Sapkota A** †, Zaridze D, Szeszenia-Dabrowska N, Mates D, Fabiánová E, Rudnai P, Janout V, Holcatova I, Brennan P, Boffetta P, Hashibe M. Indoor Air Pollution from Solid Fuels and Risk of Upper Aerodigestive Tract Cancers in Central and Eastern Europe. *Environmental Research* 120: 90-95, (2013). **Impact Factor 4.744. Times Cited: 32.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis based on existing data, performed statistical analysis for the manuscript, drafted the entire manuscript, served as the corresponding author.
24. Fransen M*, Perodin J*, Hada J, He X, **Sapkota A**†. Impact of vehicular strike on particulate matter air quality: Results from a natural intervention study in Kathmandu valley. *Environmental Research*, 122:52-7, (2013). **Impact Factor 4.744. Times Cited: 8.**

Contribution of Amir Sapkota: Conceptualized the study hypothesis based on existing data, supervised statistical analysis and manuscript preparation, served as the corresponding author.

25. Martin WJ, Glass RI, Araj H, Balbus L, Collins FS, Curtis S, Diette GB, Elwood WN, Falk H, Hibberd PL, Keown S, Mehta S, Patrick E, Rosenbaum J, **Sapkota A**, Tolunay E, Bruce N. Household Air Pollution in Low- and Middle-Income Countries: Health Risks and Research Priorities. *PLoS Med*:10(6):e1001455. doi: 10.1371/journal.pmed.1001455. **Impact Factor: 15.25. Times Cited: 47.**
Contribution of Amir Sapkota: Served as a member of the expert working group, assisted with acquisition of data and wrote a part of the manuscript.
26. Kerridge BT*, Khan MR, Rehm J, **Sapkota A**. Conflict and Diarrheal and Related Diseases: A Global Analysis. *Journal of Epidemiology and Global Health*: 3(4):269-77. (2013). **Impact Factor: NA. Times Cited: 2.**
Contribution of Amir Sapkota: Supervised data analysis, manuscript preparation and served as a senior author.
27. Murray CJ, Abraham J,....**Sapkota A** et al. The State of US Health, 1990-2010: Burden of Diseases, Injuries, and Risk Factors. *JAMA* 310(6): 591-608 (2013). **Impact Factor 29.978. Times Cited: 1029.**
Contribution of Amir Sapkota: Served as a member of the expert working group, assisted with acquisition of data and critical revision of the manuscript intellectual content.
28. Rosenberg Goldstein R, Micallef SA, Gibbs SG, George A, Claye E, **Sapkota A**, Joseph SW, Sapkota AR. 2013. Detection of Vancomycin-Resistant Enterococci (VRE) at Four U.S. Wastewater Treatment Plants that Provide Effluent for Reuse. *Science of the Total Environment*. 466-467:404-11 (2014). **Impact Factor 4.90. Times Cited:69.**
Contribution of Amir Sapkota: Co-investigator in the grant application, assisted in the study design, helped with the manuscript preparation.
29. Rosenberg Goldstein RE, Micallef SA, Gibbs SG, He X, George A, **Sapkota A**, Joseph SW, Sapkota AR. Occupational exposure to Staphylococcus aureus and Enterococcus spp. among spray irrigation workers using reclaimed water. *Int J Environ Res Public Health*:11(4):4340-55 (2014). **Impact Factor 2.145 . Times Cited: 21.**
Contribution of Amir Sapkota: Co-investigator in the grant application, assisted in the study design, helped with the manuscript preparation.
30. Kerridge BT*, Khan MR, Rehm J, **Sapkota A**. Terrorism, civil war and related violence and substance use disorder morbidity and mortality: a global analysis. *J Epidemiol Glob Health*. 4(1):61-72 (2014). **Impact Factor . Times Cited: 5.**
Contribution of Amir Sapkota: Supervised data analysis, manuscript preparation and served as a senior author.
31. Bashore CJ*, Geer LA, He X, Puett R, Parsons PJ, Palmer CD, Steuerwald AJ, Abulafia O, Dalloul M, **Sapkota A**†. Maternal mercury exposure, season of conception and adverse birth outcomes in an urban immigrant community in Brooklyn, New York, U.S.A. *Int J Environ Res Public Health*: 11(8):8414-42 (2014). **Impact Factor 2.145. Times Cited: 17.**
Contribution of Amir Sapkota: Contributed to the study design using existing data, served as the primary advisor of the lead author, supervised data analysis, and helped with the manuscript preparation.

32. Bruce N, Dherani M, Liu R, Hosgood HD 3rd, **Sapkota A**, Smith KR, Straif K, Lan Q, Pope D. Does household use of biomass fuel cause lung cancer? A systematic review and evaluation of the evidence for the GBD 2010 study. *Thorax* 70(5): 433-41 (2015). **Impact factor 8.376. Times Cited: 23.**
Contribution of Amir Sapkota: Assisted with data acquisition from published literature, and critical revision of the manuscript intellectual content.
33. Smith TJ, Wolfson JA, Jiao D, Crupain MJ, Rangan U, **Sapkota A**, Bleich SN, Nachman KE. Caramel color in soft drinks and exposure to 4-methylimidazole: a quantitative risk assessment. *PLoS One*:10(2):e0118138(2015). doi: 10.1371/journal.pone.0118138 (2015). **Impact Factor 2.766. Times Cited: 13.**
Contribution of Amir Sapkota: Served as the lead consultant for the analytical aspect of the project, assisted in the data analysis, helped with the manuscript preparation.
34. Forouzanfar MH, Alexander L, Anderson HR, **Sapkota A**, et al. Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks in 188 countries, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013. *Lancet* 386(10010): 2287-2323 (2015). **Impact Factor 47.831. Times Cited: 1228**
Contribution of Amir Sapkota: Served as a member of the expert working group, assisted with acquisition of data and critical revision of the manuscript for important intellectual content.
35. Jiang C**, Shaw KS, Upperman CR*, Blythe D, Mitchell C, Murtugudde R, Sapkota AR, **Sapkota A†**. *Environ Int.* Climate change, extreme events and increased risk of salmonellosis in Maryland, USA: Evidence for coastal vulnerability. *Environment International*. 83:58-62 (2015). **Impact Factor 7.297. Times Cited: 31.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, obtained funding, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.
36. Raspanti GA*, Hashibe M, Siwakoti B, Wei M, Thakur BK, Pun CB, Milrod C, Adhikari S, Lee YC, **Sapkota A†**. Ethnic Variation in Consumption of Traditional Tobacco Products and Lung Cancer Risk in Nepal. *Asian Pac J Cancer Prev*. 16(14):5721-6 (2015). **Impact Factor 1.756. Times Cited: 10.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, obtained funding, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.
37. Montresor-Lopez JA, Yanosky JD, Mittleman MA, Sapkota A, He X, Hibbert JD, Wirth MD, Puett RC. Short-term exposure to ambient ozone and stroke hospital admission: A case-crossover analysis. *Journal of Exposure Science and Environmental Epidemiology*. 1-5 (2015). **Impact Factor 2.927. Times Cited: 8.**
Contribution of Amir Sapkota: Assisted with drafting of manuscript, critical revision of the manuscript.
38. Romeo Upperman C*, Parker J, Jiang C, He X, Murtugudde R, **Sapkota A†**. Frequency of Extreme Heat Event as a Surrogate Exposure Metric for Examining the Human Health Effects of Climate Change. *PLoS One*. 10(12):e0144202. doi: 10.1371/journal.pone.0144202 (2015). **Impact Factor 2.766. Times Cited:10.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, obtained funding, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.

39. Quirós-Alcalá L, Wilson S, Witherspoon N, Murray R, Perodin J*, Trousdale K, Raspanti G, **Sapkota A†**. Volatile organic compounds and particulate matter in child care facilities in the District of Columbia: Results from a pilot study. *Environ Res.* 146:116-124 (2015). **Impact Factor 4.744. Times Cited:13.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.
40. Boyle MD, Payne-Sturges DC, Sangaramoorthy T, Wilson S, Nachman KE, Babik K, Jenkins CC, Trowell J, Milton DK, **Sapkota A†**. Hazard Ranking Methodology for Assessing Health Impacts of Unconventional Natural Gas Development and Production: The Maryland Case Study. *PLoS One.* 2016 Jan 4;11(1):e0145368. doi: 10.1371/journal.pone.0145368 (2016). **Impact Factor 2.766. Times Cited: 9.**
Contribution of Amir Sapkota: Conceptualized the study design, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.
41. Sangaramoorthy T, Jamison AM, Boyle MD, Payne-Sturges DC, **Sapkota A**, Milton DK, Wilson SM. Place-based perceptions of the impacts of fracking along the Marcellus Shale. *Soc Sci Med.* 151:27-37 (2016). **Impact factor 2.733. Times Cited:40.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, assisted with focus group data collection and manuscript preparation.
42. Raspanti GA, Hashibe M, Siwakoti B, Wei M, Thakur BK, Pun CB, Al-Temimi M, Lee YC, **Sapkota A†**. Household air pollution and lung cancer risk among never-smokers in Nepal. *Environ Res.* 146:141-145 (2016). **Impact Factor 4.744. Times Cited: 20.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.
43. Soneja S**, Jiang C**, Fisher J, Upperman CR*, Mitchell C, **Sapkota A†**. Exposure to extreme heat and precipitation events associated with increased risk of hospitalization for asthma in Maryland, U.S.A. *Environmental Health.* 15(57):1-7. DOI: 10.1186/s12940-016-0142-z (2016). **Impact Factor 4.376. Times Cited: 17.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, lead grant application, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.
44. LaKind JS, Overpeck J, Breyse PN, Backer L, Richardson SD, Sobus J, **Sapkota A**, Upperman CR*, Jiang C**, Beard CB, Brunkard JM, Bell JE, Harris R, Chretien JP, Peltier RE, Chew GL, Blount BC. Exposure science in an age of rapidly changing climate: challenges and opportunities. *Journal of Exp Sci Environ Epidemiol.* 26(6):529-538 (2016). **Impact Factor 2.927. Times Cited: 8.**
Contribution of Amir Sapkota: Assisted with drafting of manuscript, critical revision of the manuscript.
45. Soneja S**, Jiang C**, Upperman CR*, Murtugudde R, Mitchell C, Blythe D, Sapkota AR, **Sapkota A†**. Extreme Precipitation Events and Increased Risk of Campylobacteriosis in Maryland, U.S.A. *Environmental Research.* 149:216-221 (2016). **Impact Factor 4.744. Times Cited: 8.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, lead grant application, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.

46. Romeo-Upperman C *, Parker JD, Akinbami LJ, Jiang C, He X, Murtugudde R, Curriero F, Ziska L, **Sapkota A†**. Exposure to Extreme Heat Events Is Associated with Increased Hay Fever Prevalence among Nationally Representative Sample of US Adults: 1997-2013. *Journal of Allergy and Clinical Immunology: In Practice*. 5(2):435-441. DOI: <http://dx.doi.org/10.1016/j.jaip.2016.09.016>, (2017). **Impact Factor 6.966. Times Cited: 5.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, lead grant application, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.
47. Liu A, Soneja SI**, Jiang C**, Huang C, Kerns T, Beck K, Mitchell C, **Sapkota A†**. Frequency of extreme weather events and increased risk of motor vehicle collision in Maryland. *Sci Total Environ*.580:550-555. doi: 10.1016/j.scitotenv.2016.11.211 (2017). **Impact Factor 4.610. Times Cited: 5.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, lead grant application, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.
48. Lanikova L, Reading NS, Hu H, Tashi T, Burjanivova T, Shestakova A, Siwakoti B, Thakur BK, Pun CB, **Sapkota A**, Abdelaziz S, Feng BJ, Huff CD, Hashibe M, Prchal JT. Evolutionary selected Tibetan variants of HIF pathway and risk of lung cancer. *Oncotarget*. 14;8(7):11739-11747. doi: 10.18632/oncotarget.14340 (2017). **Impact Factor 5.168. Times Cited: 5.**
Contribution of Amir Sapkota: Co-PI of the original study. Lead grant application, assisted with manuscript preparation.
49. Fisher JA, Jiang C**, Soneja SI**, Mitchell C, Puett RC, **Sapkota A†**. Summertime extreme heat events and increased risk of acute myocardial infarction hospitalizations. *J Expo Sci Environ Epidemiol*. 27(3):276-280. doi: 10.1038/jes.2016.83 (2017). **Impact Factor 2.927. Times Cited: 2.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, lead grant application, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.
50. Boyle MD, Soneja SI, Quirós-Alcalá L, Dalemarre L, Sapkota AR, Sangaramoorthy T, Wilson S, Milton D, **Sapkota A†**. A Pilot Study to Assess Residential Noise Exposure Near Natural Gas Compressor Stations. *PLoSOne*. 12(4):e0174310. doi: 10.1371/journal.pone.0174310. eCollection (2017). **Impact Factor 2.756. Times Cited: 5.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.
51. Gost A, Hess-Mutinda R, Mitchell C, **Sapkota A†**. Climate and Health In Maryland: The Maryland Climate Change Health Adaptation Program. *Delaware Journal of Public Health*. 3(6): 44-50 (2017).
Contribution of Amir Sapkota: Conceptualized the study hypothesis, lead grant application, supervised statistical analysis and manuscript preparation, served as the senior corresponding author.
52. Kulkarni P, Olson ND, Raspanti GA*, Rosenberg Goldstein RE, Gibbs SG, **Sapkota A**, Sapkota AR. Antibiotic Concentrations Decrease during Wastewater Treatment but Persist at Low Levels in

Reclaimed Water. *Int J Environ Res Public Health*. 2017 Jun 21;14(6). pii: E668. doi: 10.3390/ijerph14060668 (2017). **Impact Factor 2.145. Times Cited: 10.**

Contribution of Amir Sapkota: Assisted with drafting of manuscript, critical revision of the manuscript.

53. Hsieh S, **Sapkota A**, Wood R*, Bearer C, Kapoor S. Neonatal ethanol exposure from ethanol-based hand sanitisers in isolettes. *Arch Dis Child Fetal Neonatal Ed*. 2017 Jun 6. pii: fetalneonatal-2016-311959. doi: 10.1136/archdischild-2016-311959 (2018). **Impact Factor 3.953. Times Cited: 1.**
Contribution of Amir Sapkota: Assisted with data collection, drafting of manuscript, critical revision of the manuscript.
54. Burwell K, Puett R, He X, **Sapkota A**, Wilson SM. The Development of a Cumulative Stressors and Resiliency Index (CSRI) to Examine Environmental Health Risk: A South Carolina Assessment. *Environmental Justice*. 11(4):165-175 (2018). **Impact Factor NA. Times Cited 0.**
Contribution of Amir Sapkota: Assisted with drafting of manuscript, critical revision of the manuscript.
55. **Sapkota A**†, Murtugudde R, Curriero F, Upperman CF, Ziska L, Jiang C**. Associations between alteration in plant phenology and hay fever prevalence among US adults: Implication for changing climate. *PLoS One*. 14(3):e0212010. doi: 10.1371/journal.pone.0212010 (2019)
Contribution of Amir Sapkota: Conceptualized the study hypothesis, lead grant application, supervised statistical analysis, drafted manuscript, served as the primary and corresponding author.
56. Li X, Zhou Y, Meng L, Asrar GR, **Sapkota A**, Coates F. Characterizing the relationship between satellite phenology and pollen season: a case study of birch. *Remote Sensing of Environment*. 222:267-274 (2019). **Impact Factor:6.457.**
Contribution of Amir Sapkota: Conceptualized the study hypothesis, obtained pollen data, assisted with drafting of manuscript.
57. Fisher JA, Puett RC, Laden F, Wellenius GA, **Sapkota A**, Liao D, Yanosky JD, Carter-Pokras O, He X, Hart JE. Case-crossover Analysis of Short-term Particulate Matter Exposures and Stroke in the Health Professionals Follow-up Study. *Environment International*. 124:153-160 (2019)
Contribution of Amir Sapkota: Assisted with drafting of manuscript, critical revision of the manuscript.
58. Kulkarni P, Raspanti GA**, Bui AQ, Bradshaw RN, Sharma M, **Sapkota A**, Sapkota AR. Zerovalent iron sand filtration can reduce the concentration of multiple antimicrobials in conventionally treated reclaimed water. *Environmental Research*. 172:301-309 (2019).
Contribution of Amir Sapkota: Conceptualized study design, analysis of the samples, assisted with drafting of manuscript, and critical revision of the manuscript.
59. Zhu L, Torres M, Betancourt WQ, Sharma M, Micallef SA, Gerba C, Sapkota AR, Sapkota A, Parveen S, Hashem F, May E, Kniel K, Pop M, Ravishankar S. Incidence of fecal indicator and pathogenic bacteria in reclaimed and return flow waters in Arizona, USA. *Environmental Research*. 170:122-127 (2019)
Contribution of Amir Sapkota: Assisted with drafting of manuscript, critical revision of the manuscript.
60. Panthi S*, Sapkota AR, Raspanti G**, Allard S, Bui A, Craddock H, Murray R, Zhu L, East C, Handy E, Callahan MT, Haymaker J, Kulkarni P, Anderson B, Craighead S, Gartley S, Vanore A, Betancourt W, Duncan R, Foust D, Sharma M, Micallef SA, Gerba C, Parveen S, Hashem F, May E, Kniel K, Pop M, Ravishankar S, **Sapkota A**†. Herbicides, Antibiotics, Stimulants, and Disinfectants in Agricultural

Water Sources. Environmental Research. 174:1-8 (2019). doi: 10.1016/j.envres.2019.04.011

Contribution of Amir Sapkota: Conceptualized the study hypothesis, contributed in grant application, performed laboratory analysis, supervised statistical analysis, co-drafted manuscript, served as the corresponding author.

61. Vohra SN, Sapkota A, Lee MT, Pun CB, Thakur B, Siwakoti B, Wiesenfeld PL, Hashibe M, Dallal CM. Reproductive and Hormonal Factors in Relation to Lung Cancer Among Nepali Women. *Frontiers in Oncology* 9:311 (2019). doi: 10.3389/fonc.2019.00311.
62. Remigio* RV, Jiang C, Raimann J, Kotanko P, Usvyat L, Maddux FW, Kinney P, **Sapkota A**. Association of Extreme Heat Events With Hospital Admission or Mortality Among Patients With End-Stage Renal Disease. *JAMA Network Open*. (2019) Aug 2;2(8):e198904. doi: 10.1001/jamanetworkopen.2019.8904.
63. Craddock HA, Panthi S, Rjoub Y, Lipchin C, Sapkota A, Sapkota AR. Antibiotic and herbicide concentrations in household greywater reuse systems and pond water used for food crop irrigation: West Bank, Palestinian Territories. *Science of the Total Environment*. <https://doi.org/10.1016/j.scitotenv.2019.134205> (2019)
64. Chang CP, Siwakoti B, **Sapkota A**, Gautam DK, Lee YA, Monroe M, Hashibe M. Tobacco smoking, chewing habits, alcohol drinking and the risk of head and neck cancer in Nepal. *Int J Cancer*. 2020 Aug 1;147(3):866-875. doi: 10.1002/ijc.32823. Epub 2019 Dec 27.
65. **Sapkota A**, Dong Y, Li L, Asrar G, Zhou Y, Li X, Coates F, Spanier AJ, Matz J, Bielory L, Breitenother AG, Mitchell C, Jiang C. Association Between Changes in Timing of Spring Onset and Asthma Hospitalization in Maryland. *JAMA Netw Open*. 2020 Jul 1;3(7):e207551. doi: 10.1001/jamanetworkopen.2020.7551.
66. Solaiman S, Allard SM, Callahan MT, Jiang C, Handy E, East C, Haymaker J, Bui A, Craddock H, Murray R, Kulkarni P, Anderson-Coughlin B, Craighead S, Gartley S, Vanore A, Duncan R, Foust D, Taabodi M, **Sapkota A**, May E, Hashem F, Parveen S, Kniel K, Sharma M, Sapkota AR, Micallef SA. Longitudinal Assessment of the Dynamics of *Escherichia coli*, Total Coliforms, *Enterococcus* spp., and *Aeromonas* spp. in Alternative Irrigation Water Sources: a CONSERVE Study. *Appl Environ Microbiol*. 2020 Oct 1;86(20):e00342-20. doi: 10.1128/AEM.00342-20.
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68. Iyer V, Sharma A, Nair D, Solanki B, Umrigar P, Jiang C, Murtugudde R, Mavalankar D, **Sapkota A**. Role of extreme weather events and El Niño Southern Oscillation on incidence of Enteric Fever in Ahmedabad and Surat, Gujarat, India. *Environmental Research*. 2020 Nov 17:110417. doi: 10.1016/j.envres.2020.110417.
69. Liao W, Wu J, Yang L, Benmarhnia T, Liang XZ, Murtugudde R, Sapkota A, Ma W, Zhong S, Huang C. Detecting the net effect of flooding on infectious diarrheal disease in Anhui Province, China: a quasi-experimental study. *Environ Res. Let. In Press*

Reports Prepared for the State of Maryland

1. **Sapkota A**, Jiang C, Soneja S, Upperman CR, Fisher J, Mitchell CS, Liu A. Maryland Climate and Health Profile Report. April 2016.
<https://mde.maryland.gov/programs/Air/ClimateChange/MCCC/ARWG/MarylandClimateandHealthProfileReport.pdf>
Contribution of Amir Sapkota: Obtained funding from the State, Conceptualized the study design, supervised statistical analysis, and drafted the final report.
2. Milton D, **Sapkota A**, Wilson S, Sangramoorthy T, Jiang C, Boyle M, Dalemarre L. Potential Public Health Impacts of Natural Gas Development and Production in the Marcellus Shale in Western Maryland. July 2014.
http://www.marcellushealth.org/uploads/2/4/0/8/24086586/final_report_08.15.2014.pdf
Contribution of Amir Sapkota: Conceptualized the overall report, served as the lead author in one of the chapter, contributed to the drafting of final report.

Book Chapters/ Monographs

1. Ducey SB*, **Sapkota A**†. Presence of Pharmaceuticals and Personal Care Products in the Environment – A Concern for Human Health? in Contaminants of Emerging Concern in the Environment: Ecological and Human Health Considerations; Chapter 17, pp 345–365 (2010). Chapter DOI: 10.1021/bk-2010-1048.ch017 ACS Symposium Series, Vol. 1048 American Chemical Society: Washington, DC.
Contribution of Amir Sapkota: Co-wrote the chapter. Served as the senior author.
2. Mitchell C, Brown S, Fox M, Hayes J, Helzlsouer K, Matuszak K, Miller J, Smith CR, **Sapkota A**, Squibb K, Stern K. Environmental/Occupational Issues and Cancer. In Maryland Comprehensive Cancer Control Plan. Chapter 8, pp 1-14 (2011). Maryland Department of Health and Mental Hygiene, Baltimore, MD.
Contribution of Amir Sapkota: Member of the expert committee. Wrote sections of the chapter.
3. IARC Working Group on the Evaluation of Carcinogenic Risks to Humans. 2010. Vol 95: Household use of solid fuels and high-temperature frying. IARC Monogr Eval Carcinog Risks Hum. 95:1-430 (2010).
Contribution of Amir Sapkota: Contributed as a IARC Secretariat
4. IARC Working Group on the Evaluation of Carcinogenic Risks to Humans. Vol 93: Carbon black, titanium dioxide, and talc. IARC Monogr Eval Carcinog Risks Hum. 93:1-413 (2010).
Contribution of Amir Sapkota: Contributed as a IARC Secretariat
5. IARC Handbooks of Cancer Prevention, Volume 11. Tobacco Control: Reversal of Risk after Quitting Smoking. 1-366 (2007).
Contribution of Amir Sapkota: Contributed as a IARC Secretariat

Invited Presentations:

1. **Sapkota A.** Use of LC/MS-MS to Determine the Major Mercapturic Acids of 1,3-butadiene Resulting from Low Level Environmental Exposure. Current Bioanalytical Applications in Mass Spectrometry, The National Institutes of Health, Bethesda, April 2004.
2. **Sapkota A.** Traffic Related Exposure to 1,3-Butadiene. Occupational and Environmental Epidemiology Branch, National Cancer Institute. July 14, 2006.
3. **Sapkota A.** Exposure Characterization and Biomarker Evaluation for 1,3-Butadiene. Division of Environmental Health Sciences, The Ohio State University College of Public Health, Columbus, Ohio. March 7, 2006.
4. **Sapkota A.** Indoor air pollution from solid fuels and risk of hypopharyngeal/laryngeal and lung cancers: a multicentric case-control study from India. UAB Epidemiology & Sparkman Seminar Series. University of Alabama Birmingham School of Public Health, March 31st 2008.
5. **Sapkota A,** Chelikowski A, Nachman K, Ritz B. Exposure to Particulate Matter and Adverse Birth Outcomes: A Comprehensive Review and Meta- Analysis. Expert Committee Meeting on Outdoor Air Pollution for the Global Burden of Disease, Harvard University, MA, April 2009.
6. **Sapkota A.** Indoor air pollution and cancer risk in low income countries. B.P. Koirala Memorial Cancer Hospital, Bharatpur, Chitwan Nepal. April 2009.
7. **Sapkota A.** Air Pollution and Adverse Respiratory Health Outcomes: How Does Epidemiology Work? Department of Atmospheric and Oceanic Science, University of Maryland, College Park, MD, October 29, 2009.
8. **Sapkota A.** Air Pollutants in Our Environment: From Sources to Health Effects. Smithsonian Resident Associate Program. Washington DC, March 5th, 2011.
9. **Sapkota A.** Indoor Air Pollution from Solid Fuels and Cancer Risk. Conference on Risk Assessment and Evaluation of Predictions. October 13, 2011, Silver Spring, MD.
10. **Sapkota A.** Exposure to Traffic Related Air Pollutants and Respiratory Health Outcomes. Environmental Justice and Environmental Health Disparities Symposium, College Park, MD, 2012.
11. **Sapkota A.** Household Air Pollution and Burden of Disease. Council on Environment, Inaugural Junior Faculty Award Lecture. College Park, MD September 11, 2013.
12. **Sapkota A.** Air Pollution and Respiratory Health. International Workshop on Urban and Regional Air Quality Shanghai, China. October 18, 2013
13. **Sapkota A.** Climate Change, Extreme Events and Salmonellosis – Are Coastal Area Truly Vulnerable? Department of Health and Mental Hygiene, Baltimore, MD. September 22, 2014

14. **Sapkota A.** Potential Public Health Impacts of Natural Gas Development and Production in the Marcellus Shale in Western Maryland. Maryland Environmental Health Network. Baltimore MD, September 12, 2014.
15. **Sapkota A.** Extreme Temperature Events and Risk of MI in Maryland. Department of Health and Mental Hygiene, Baltimore, MD. February 23, 2015.
16. Boyle M., Sangramurthy T, Wilson S, Sapkota A, Milton D, The Maryland Experience: Using HIA Methodology to Evaluate the Public Health Impacts Associated with Unconventional Natural Gas Development and Production, National HIA Conference, Washington DC, 2015
17. **Sapkota A.** Assessing Potential Health Impacts of Unconventional Natural Gas Development and Production Through Hydraulic Fracturing. Department of Environmental & Occupational Health, George Washington University Milken Institute School of Public Health, Washington DC. October 26th, 2015.
18. **Sapkota A.** Remote Sensing and Urban Health. Remote Sensing Integrated Assessment Modeling. Aspen Global Change Institute, Aspen CO. October 13th, 2015.
19. **Sapkota A.** Extreme Heat Events, Change in Phenology and Hay Fever. Invited Presentation. 2015 National Conference on Health Statistics, Bethesda MD. August 26th, 2015.
20. **Sapkota A.** Air Pollution and Respiratory Diseases – A LMIC Perspectives. Laboratory of Epidemiology and Population Science, National Institute on Ageing, Bethesda MD. August 19th, 2016
21. **Sapkota A.** Climate Change, Extreme Events and Impaired Health: Local to National Perspectives. National Center for Health Statistics, Hyattsville, MD. June 29th, 2016.
22. **Sapkota A.** Climate Change, Alteration in Plant Phenology and Allergic Diseases in the US. National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD. March 22nd, 2016.
23. **Sapkota A.** Climate Change and Public Health: The Need for Community-Specific Adaptation Strategies. Sun Yat-Sen University, Guangzhou, China, May 25th, 2017.
24. **Sapkota A.** Household Air Pollution and Lung Cancer Risk in Nepal. Embassy of the United States, Kathmandu, Nepal, June 12, 2017.
25. **Sapkota A.** Extreme Events and Impaired Health: An Unequal Risk. Environmental Impacts on Health Readiness, US Army Public Health Center, Arlington VA, June 20th, 2017.
26. **Sapkota A.** Climate Change, Extreme Events, and Impaired Health: Maryland Perspectives. Health in All Policy Act, Workgroup Meeting. Adelphi MD, Sept 27, 2017.
27. **Sapkota A.** Extreme Events, Vulnerable Population, and Impaired Health: Moving Forward. International Symposium on Climate Change and Health in the Asia-Pacific Region. Guangzhou, China, Dec 10-12, 2017.

28. **Sapkota A.** Climate Change, Extreme Weather Events, and Impaired Health: Who is Most Vulnerable? Tel Aviv University, Tel Aviv, Israel. Jan 4th, 2018.
29. **Sapkota A.** Climate Change, Alteration in Plant Phenology, and Allergic Diseases. CSTE Climate & Respiratory Health Meeting, Centers for Disease Control and Prevention, Atlanta, March 15, 2018
30. **Sapkota A.** Extreme weather events, Population Vulnerability, and Impaired Health: Need for Community Specific Adaptation Strategies. WC Climate Change 2018: Impacts & Responses, Sep 13 - 15, 2018, Rome, Italy
31. **Sapkota A.** Too little or too much water - Implications for food security and infectious diseases in changing climate. Bahir Dar University, Ethiopia. May 2019.
32. **Sapkota A.** Early warnings for minimizing health burden in changing climate – challenges ahead. 3rd International Forum on Climate Change and Health Response. Guangzhou, China, December 18-19, 2019
33. **Sapkota A.** Climate Change, Extreme Events and Impaired Health: Maryland Perspectives. Pennsylvania Climate Change Advisory Committee. April 30th, 2020.
34. **Sapkota A.** Flowering Phenology, Pollen Exposure, and Allergic Disease in Changing Climate. 22nd Annual Science Immersion Workshop for Journalists. Metcalf Institute, The University of Rhode Island. June 12, 2020.

Refereed conference:

1. **Sapkota A,** Geyh A, Moradian R and Buckley TJ. Traffic Related Indoor and Outdoor VOCs in an Urban Environment. International Society for Exposure Analysis 10th Annual Conference, Monterey California, October 2000.
2. **Sapkota A,** and Buckley TJ. The mobile source effect on curbside 1,3-butadiene, benzene, and particle-bound polycyclic aromatic hydrocarbons assessed at a tollbooth. The 95th Annual Conference of the Air and Waste Management Association, Baltimore, MD 2002.
3. **Sapkota A.,** and Buckley T.J. Mobile Source Related Personal Exposure to 1,3-Butadiene. International Society for Exposure Analysis 13th Annual Conference, Stresa Italy, September 2003.
4. **Sapkota A.,** Symons J.M., Kleissl J., Ondov J., and Buckley T.J. The Impact of Canadian Forest Fires on the Air Quality in Baltimore City: A Case Study of Long-Range Pollutant Transport. International Society for Exposure Analysis 13th Annual Conference, Stresa Italy, September 2003.
5. Brown S., **Sapkota A.,** Burke T., and Buckley T.J. Air toxin exposure, risk, and environment-related cancer in Maryland. American Public Health Association, 132nd Annual Meeting: Public Health and the Environment, Washington DC, November 2004.

6. **Sapkota A.**, Halden R., Groopman J.D., Dominici F., and Buckley T.J. Exposure Characterization and Biomarker Evaluation of 1,3-Butadiene Resulting from Automobile Exhaust. International Society for Exposure Analysis 14th Annual Conference, Philadelphia PA, October 2004.
7. Williams D, **Sapkota A.**, Geyh A, Hume E, Barnum B., Oxendrider J., Cahill C., and Breyse P.. Characterization of Particulate Matter in Different Bores of a Tunnel with Distinct Vehicle Composition and Concentrated Emissions. The joint annual conference of ISEA/ISEE. Paris, 2006.
8. **Sapkota A.**, Hashibe M., Dikshit R., Jetty D.H., Chattopadhyay U., Vendhan G., Brennan P., Boffetta P. Risk Factors of Hypopharyngeal/Laryngeal and Lung Cancer Among Indian Men. The 19th International Conference on Epidemiology in Occupational Health. Banff, Alberta, Canada, October 2007
9. Rosenberg, R.E., Micallef, S.A., George, A., **Sapkota, A.**, Gibbs, S.G., Joseph, S.W., Sapkota, A.R. Irrigation workers' exposures to antimicrobial-resistant bacteria and antimicrobials present in reclaimed wastewater. American Public Health Association Annual Meeting, Philadelphia, USA. November, 2009.
10. Biswas S.*, McGrath J.M., **Sapkota A.** Characterization of Ionophores in Poultry litter and Litter Amended Soils Using Liquid Chromatograph Tandem Mass Spectrometer. Oral presentation at International Annual ASA-CSSA-SSA Joint Meeting, Pittsburgh, PA, Nov 1-5, 2009. (Abstract published)
11. Perodin J.*, Hada, J., **Sapkota A.** Seasonal Variability In Particulate Matter Concentration In Kathmandu Valley. The 19th Annual Meeting of the International Society of Exposure Science. Minneapolis, USA. November 1-5, 2009.
12. **Sapkota A.**, Eftim S.***, Nachman KE., Kravets N., Shenassa E., Akinbami L., Parker J. Traffic Exposure and Asthma Exacerbation among a Nationally Representative Sample of the US Population. The joint annual conference of ISES/ISEE. Seoul, Korea. August 29-Sept 1, 2010.
13. Eftim S.***, Parker J., Kravets N., Nachman K., **Sapkota A.** Validation of Traffic Exposure Surrogates Against a Biomarker of Internal Dose among Non-Smoking US Population. The joint annual conference of ISES/ISEE. Seoul, Korea. August 29-Sept 1, 2010.
14. Parker J., Eftim S., Kravets N., Akinbami L., Shenassa E., **Sapkota A.** Disparities in traffic exposure in the United States. The joint annual conference of ISES/ISEE. Seoul, Korea. August 29-Sept 1, 2010.
15. Mehta S., Parker J., Akinbami L., Murtugudde R., **Sapkota A.**, Climate events and health outcomes: data linkage from two large national databases. The joint annual conference of ISES/ISEE. Seoul, Korea. August 29-Sept 1, 2010.
16. Biswas S.*, McGrath J.M., **Sapkota A.** Quantification of Aged Veterinary Anticoccidials in Poultry Manure using LC/MS/MS. Annual Bioscience Day, University of Maryland College Park, 2010.

17. Biswas S.*, McGrath J.M., **Sapkota A.** Quantification of Aged Veterinary Anticoccidials in Poultry Manure using LC/MS/MS. Oral presentation at International Annual ASA-CSSA-SSSA Joint Meeting, Long Beach, CA, Oct 31-Nov 4, 2010.
18. Rosenberg Goldstein RE, Micallef SA, George A, **Sapkota A**, Gibbs SG, Joseph SW, Sapkota AR. Evaluating occupational exposures to antibiotic-resistant bacteria from wastewater reuse. Oral presentation by RE Rosenberg Goldstein, Water and Health: Where Science Meets Policy 2010 Conference, University of North Carolina at Chapel Hill, Chapel Hill, NC, October 2010.
19. Rosenberg Goldstein RE, Micallef SA, George A, **Sapkota A**, Gibbs SG, Joseph SW, Sapkota AR. Reductions of methicillin-resistant *Staphylococcus aureus* and vancomycin-resistant *Enterococcus* spp. at a U.S. tertiary wastewater treatment plant. Poster Presentation, American Society for Microbiology, 110th General Meeting, San Diego, CA, May 2010.
20. Hashibe M, Siwakoti B, Thakur BK, Pun CB, Shrestha BM, Burningham Z, **Sapkota A.** Risk factors for lung cancer in Nepal. AACR Third Annual Science of Health Disparities Meeting, Miami, Florida. 2010
21. Hashibe M, Siwakoti B, Wei M, Thakur BK, Pun CB, Shrestha BM, Burningham Z, Lee YA, **Sapkota A.** Disparities in lung cancer in the Nepalese population. American Society for Preventive Oncology Annual Meeting, Las Vegas, Nevada. 2011
22. Mehta S., Parker J., Murtugudde R., **Sapkota A.** Application of climate indicators to US child population: trends in temperature variability. Abstract accepted for presentation at the International Society for Environmental Epidemiology 23rd Annual Meeting, Barcelona, Spain, September 13-16, 2011
23. Parker J., Mehta S., Murtugudde R., **Sapkota A.** Linkage of US National Health Interview Survey to climate indicators: a resource for understanding the impact of change. The annual conference of ISEE. Barcelona Spain. September 13-16, 2011
24. Romeo C.*, Mehta S., Parker J., **Sapkota A.** Indicators for Examining Potential Chronic Respiratory Effects of Climate Change. The annual conference of ISES. Baltimore Maryland. October 23-27, 2011
25. Fransen M.* Perodin J.*, He X., **Sapkota A.** Influence of weekdays, weekends, bandhas and weather conditions on particulate matter (PM10) concentrations in the Kathmandu Valley in Nepal. The annual conference of ISES. Baltimore Maryland. October 23-27, 2011
26. Rosenberg Goldstein RE, Micallef SA, George A, Gibbs SG, **Sapkota A**, Joseph SW, and Sapkota AR. Survival of methicillin-resistant *Staphylococcus aureus* in Secondary Treated Wastewater. American Society for Microbiology 111th General Meeting, New Orleans, LA, May 2011.
27. Romeo, C.*, Mehta, S., Parker, JD., **Sapkota, A.** Indicators for Examining the Potential Chronic Respiratory Effects of Climate Change. NSF/AAAS Emerging Researchers National (ERN) Conference in STEM 2nd Annual Meeting, Atlanta, Georgia, February 23-26, 2011.

28. Biswas S.*, McGrath J.M., **Sapkota A.** Quantification of Ionophores in Poultry litter using Liquid Chromatograph Tandem Mass Spectrometric technique. Poster presentation at 7th Annual LC/MS/MS workshop on Env. Appl. and Food Safety, Buffalo, NY. June 13-14, 2011.
29. Biswas S. *, McGrath J.M., **Sapkota A.** Ionophore sorption in coastal plain soils- preliminary study. Presentation at the International Annual ASA-CSSA-SSSA Joint Meeting, Cincinnati, Ohio. October 21-24, 2012.
30. Montresor-Lopez J., Yanosky J., **Sapkota A.**, He X., Hibbert J., Puett R. Short-term Effects of Ambient Ozone on Stroke Risk in South Carolina, USA. Joint ISEE/ISES and ISIAQ Conference, Basel, Switzerland. August 19-23, 2013.
31. Romeo, C.*, Murtugudde R., Parker, J.D., **Sapkota, A.** Exposure to an Aggregate Climate Change Metric and Respiratory Health Outcomes in the Continental US. Joint ISEE/ISES and ISIAQ Conference, Basel, Switzerland. August 19-23, 2013
32. Sapkota AR., Jiang C., Blythe D., **Sapkota A.** Increased Frequency of Unusually Hot Days and Foodborne Illness in Maryland. Joint ISEE/ISES and ISIAQ Conference, Basel, Switzerland. August 19-23, 2013
33. Raspanti G. *, Siwakoti B, Thakur BK, Pun CB, Shrestha BM, Hashibe M., **Sapkota A.** Traditional vs. Commercial Tobacco Use and Lung Cancer Risk in Nepal. 141st annual meeting of the American Public Health Association, Boston, MA. November 2-6, 2013.
34. Raspanti G. *, Siwakoti B, Thakur BK, Pun CB, Shrestha BM, Hashibe M., **Sapkota A.** Urinary Biomarker of Household Air Pollution: Findings from Nepal. International Society of Exposure Science 24th Annual Meeting. Cincinnati OH, October 12-16, 2014.
35. Raspanti G*., Siwakoti B, Thakur BK, Pun CB, Shrestha BM, Hashibe M., **Sapkota A.** The Influence of Cooking Fuel on Lung Cancer Risk in Nepal. 26th Annual Meeting of the International Society for Environmental Epidemiology. Seattle, August 24-28, 2014.
36. Soneja S**, Jiang C, Mitchell C, Sapkota AR, **Sapkota A.** Campylobacteriosis risk of hospital admission related to extreme weather event frequency in Maryland. Oral Presentation. 27th Conference of the International Society for Environmental Epidemiology (ISEE). Sao Paulo, Brazil. August 30-September 3, 2015.
37. Soneja S**, Jiang C**, Romeo C*, Mitchell C, **Sapkota A.** Risk of hospitalization for asthma related to extreme temperature and precipitation events in Maryland. 27th Conference of the International Society for Environmental Epidemiology (ISEE). Sao Paulo, Brazil. August 30-September 3, 2015.
38. Fisher JA, Jiang C**, Upperman C*, Mitchell C, Murtugudde R, Puett R, **Sapkota A.** Extreme heat in summer and acute myocardial infarction hospitalizations in Maryland. 27th Conference of the International Society for Environmental Epidemiology (ISEE). Sao Paulo, Brazil. August 30-September 3, 2015.

39. Upperman C*, Parker JD, Akinbami L, Jiang C, He X, Murtugudde R, Curriero F, Ziska L, Sapkota A. The Risk of Exposure to Climate Specific Extreme Heat and Hay Fever Prevalence Among Adults in the Continental United States: Linkage of the National Health Interview Survey. Oral Presentation. 25th Annual Meeting of the International Society of Exposure Science (ISES). Henderson, Nevada. October 18-22, 2015.
40. Soneja S**, Jiang C, Mitchell C, Sapkota AR, **Sapkota A**. Examining the exposure to extreme weather events and risk of Campylobacteriosis in Maryland. Oral Presentation. 25th Annual Meeting of the International Society of Exposure Science (ISES). Henderson, Nevada. October 18-22, 2015.
41. Soneja S**, Jiang C, Romeo C, Mitchell C, **Sapkota A**. Vulnerability Assessment for Hospitalization Due to Asthma and Exposure to Extreme Weather Events in Maryland. Oral Presentation. 25th Annual Meeting of the International Society of Exposure Science (ISES). Henderson, Nevada. October 18-22, 2015.
42. Jiang C**, Sapkota A, Curriero F. Extreme Temperature Events and Onset of Greening in the Eastern US: Implications for Respiratory Diseases. Poster Presentation. 25th Annual Meeting of the International Society of Exposure Science (ISES). Henderson, Nevada. October 18-22, 2015.
43. Soneja S**, Jiang C, Fisher J, Blythe D, Mitchell C, Sapkota AR, **Sapkota A**. Role of El Niño Southern Oscillation (ENSO) in Extreme Event Related Adverse Health Outcomes in Maryland, USA. Oral Presentation, 28th Conference of the International Society for Environmental Epidemiology (ISEE). Rome, Italy. September 1-4, 2016.
44. Soneja S**, Liu A, Jiang C, Huang C, Mitchell C, Beck K, **Sapkota A**. Frequency of Extreme Events and Injury Risk From Motor Vehicle Accidents in Maryland, USA. Poster Presentation, 28th Conference of the International Society for Environmental Epidemiology (ISEE). Rome, Italy. September 1-4, 2016.
45. **Sapkota A**, Parker J, Akinbami L, Curriero F, Ganguly S, Ziska L, Murtugudde R, Jiang C. Alteration in plant phenology and hay fever prevalence among US adults: combined evidence from satellite data and National Health Interview Survey 2002-2013. Oral Presentation, 28th Conference of the International Society for Environmental Epidemiology (ISEE). Rome, Italy. September 1-4, 2016.
46. Khanjani N, Jiang S**, Soneja S**, Asrar G, **Sapkota A**. Assessing the Impact of the El Niño Southern Oscillation Phenomenon upon Extreme Weather/Climate Events at the Local and Regional Level Across the Contiguous United States. Oral Presentation, 26th Annual Meeting of the International Society of Exposure Science (ISES). Utrecht, Netherlands. October 9-13, 2016.
47. Kulkarni P, Olson N, Raspanti G*, **Sapkota A**, Sapkota AR. Occurrence of Antibiotic Residues in Wastewater and Reclaimed Water in the United States. Poster presentation. 2016 Water and Health Conference: Where Science Meets Policy, University of North Carolina at Chapel Hill, Chapel Hill, NC. October 10-14, 2016.
48. Boyle M, Soneja S**, Quiros-Alcala L, Sapkota AR, Dalemarre L, Sangaramoorthy T, Wilson S, Milton D, **Sapkota A**. Examining the association between natural gas compressor stations and residential

noise in West Virginia, USA. 26th Annual Meeting of the International Society for Exposure Science (ISES). Utrecht, Netherlands. October 21, 2016.

49. Asrar G, Zhou Y, LI X, and **Sapkota A**. Developing Pollen Allergy Risk Maps from Remote Sensing Observations for Public Health Advisories and Warning. 97th American Meteorological Society Annual Meeting. Seattle, WA, January 22-26, 2017.
50. Kulkarni P, Raspanti GA**, Bui AQ, Bradshaw RN, Coppock C, Sharma M, **Sapkota A**, Sapkota AR. Zero-valent Iron-Biosand Filtration is Capable of Reducing Antimicrobial and Generic E. coli Concentrations in Unbuffered Conventionally Treated Reclaimed Water: A CONSERVE Project. International Association for Food Protection Annual Meeting, Tampa, Florida, July 9-12, 2017.
51. Remigio RV*, Rainmann J, Maddux FW, Usvyat L, He X, Kotanko P, **Sapkota A**. Understanding the role of inclement weather on missed dialysis treatments among end-stage renal disease (ESRD) patients in selected Northeastern cities in the United States. Local Solutions: Eastern Climate Preparedness Conference. Manchester, NH. 2018 30 Apr - 2 May.
52. Remigio RV*, Rainmann J, Maddux FW, Usvyat L, He X, Kotanko P, **Sapkota A**, Kinney P. Impact of extreme heat on end-stage renal disease patients in the Northeast US using selected clinical outcomes. Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology. Ottawa, ONT, CAN 2018 Aug 26-30.
53. Remigio RV*, Rainmann J, Maddux FW, Usvyat L, He X, Kotanko P, **Sapkota A**. Single-day inclement weather events is an adherence barrier for treatment among hemodialysis patients in urban northeastern cities. Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology. Ottawa, ONT, CAN 2018 Aug 26-30.
54. Quirós-Alcalá L, Boyle M, , Zhu L, **Sapkota A**, Rule AM, Kavi LE, Pool W, and Thomas SB. Occupational exposures to phthalates among U.S. hairdressers primarily serving an ethnically diverse clientele. Joint International Society of Exposure Science (ISES) and Indoor Air Quality and Climate (ISIAQ) Conference, Aug 2019, Kaunas, Lithuania.
55. Sapkota A, Mitchell C, Sapkota AR, Jiang C. Extreme Precipitation Events and Salmonellosis Risk in the United States: Are Coastal Communities More Vulnerable? Gordon Research Conference: Urbanization, Water and Food Security. July 21-26 (2019), Hong Kong, China.
56. Song H, Li L, Sapkota A. Association between Plant Phenology and Asthma Hospitalization in New York State. 32nd Annual Conference of the International Society for Environmental Epidemiology. August 24-27, 2020.
57. Adams N, Mathews S, Dhimal M, Sapkota A. Impact of monsoon variability on under-five diarrheal disease risk in Nepal. 32nd Annual Conference of the International Society for Environmental Epidemiology. August 24-27, 2020.
58. Remigio R, Turpin R, Raimann J, Kotanko P, Maddux F, Usvyat L, He X, Sapkota A. Physiological changes before dialysis treatment can mediate the effects of extreme heat events on hospital

admission risk. 32nd Annual Conference of the International Society for Environmental Epidemiology. August 24-27, 2020.

59. Li L, Jiang C, Murtugudde R, Liang XZ, Sapkota A. Spatiotemporal variation in extreme heat events (EHes) and extreme precipitation events (EPEs) across 150 most populated cities of the world. 32nd Annual Conference of the International Society for Environmental Epidemiology. August 24-27, 2020.
60. Randell H, Jiang C, Murtugudde R, Liang XZ, Sapkota A. 32nd Annual Conference of the International Society for Environmental Epidemiology. August 24-27, 2020. Food insecurity and compound environmental shocks in Nepal: Implications for a changing climate
61. **Sapkota A**, Dong Y, Li L, Asrar G, Zhou Y, Li X, Coates F, Spanier AJ, Matz J, Bielory L, Breitenother AG, Mitchell C, Jiang C. Association Between Changes in Timing of Spring Onset and Asthma Hospitalization in Maryland. 32nd Annual Conference of the International Society for Environmental Epidemiology. August 24-27, 2020.
- 62.

Non-Refereed Conference Proceedings & Local Presentations

1. Sapkota A, Nachman K, Perodin J, Ritz B, Shenessa E. Exposure to Traffic Exhaust and Asthma Exacerbation: A Systematic Meta Analysis. University of Maryland, Graduate Student Research Interaction Day, College Park, Maryland, April, 2008.
2. Rosenberg Goldstein RE, Micallef SA, George A, **Sapkota A**, Gibbs SG, Joseph SW, Sapkota AR. Irrigation workers' exposures to antimicrobial-resistant bacteria and antimicrobials present in reclaimed wastewater. Poster Presentation. University of Maryland School of Public Health, Research Interaction Day. College Park, MD. September 2009.
3. Rosenberg Goldstein RE, Micallef SA, George A, **Sapkota A**, Gibbs SG, Joseph SW, Sapkota AR. Irrigation workers' exposures to antimicrobial-resistant bacteria and antimicrobials present in reclaimed wastewater. Poster Presentation. University of Maryland Bioscience & Technology Review Day. College Park, MD. November 2009.
4. Rosenberg Goldstein RE, Micallef SA, George A, **Sapkota A**, Gibbs SG, Joseph SW, Sapkota AR. Antibiotic-resistant bacteria in wastewater and resulting occupational exposures. Oral presentation by RE Rosenberg Goldstein. The Clark School of Engineering Sustainability Workshop. University of Maryland College Park. College Park, MD. April 2010.
5. Rosenberg Goldstein RE, Micallef SA, George A[#], **Sapkota A**, Gibbs SG, Joseph SW, Sapkota AR. Survival of methicillin-resistant *Staphylococcus aureus* in secondary treated wastewater. Oral presentation by RE Rosenberg Goldstein. Graduate Research Interaction Day. University of Maryland School of Public Health. College Park, MD. April 2011.
6. **Sapkota A**. Air Pollution and Respiratory Health. Johns Hopkins School of Advanced International Studies. Washington DC. September 29, 2011.

7. **Sapkota A.** Indoor Air Pollution from Solid Fuels and Cancer Risk. Conference on Risk Assessment and Evaluation of Predictions. October 13, 2011, Silver Spring, MD
8. Biswas S., McGrath J.M., **Sapkota A.** Quantification of Ionophores in Poultry litter using Liquid Chromatograph Tandem Mass Spectrometric technique. Oral presentation at ASA-CSSA-SSA NE Branch Meeting, Maryland, 2011.
9. Romeo C, Parker J., Murtugudde R., **Sapkota A.** Indicators for Examining the Potential Chronic Respiratory Effects of Climate Change. University of Maryland, Graduate Student Research Interaction Day, College Park, Maryland, April 11, 2012.
10. Raspanti G., Siwakoti B, Thakur BK, Pun CB, Shrestha BM, Hashibe M., **Sapkota A.** Traditional vs. Commercial Tobacco Use and Lung Cancer Risk in Nepal. Public Health Research Day, University of Maryland College Park, April, 2013
11. Raspanti G., Siwakoti B, Thakur BK, Pun CB, Shrestha BM, Hashibe M., **Sapkota A.** Ethnic Variation in Consumption of Traditional Tobacco and Risk of Lung Cancer in Nepal . Public Health Research Day, University of Maryland College Park, April, 2014
12. Milton D., Wilson S., Boyle M., Sangramurthy T., **Sapkota A.** Marcellus Shale Public Health Study Final Progress Report. Garrett College, McHenry, MD. June 28, 20 14
13. Sapkota A. Potential Public Health Impacts of Natural Gas Development and Production in the Marcellus Shale in Western Maryland. Environmental Justice Symposium, College Park, MD. December, 2014.
14. Fisher JA, Jiang C, Upperman C, Mitchell C, Murtugudde R, Puett R, Sapkota A., Extreme Temperature Events (summertime) and Acute Myocardial Infarction in Maryland, Public Health Research at Maryland Day, College Park, MD, 2015
15. Soneja S, Jiang C, Romeo C, Mitchell C, Sapkota A., Does the Frequency of Extreme Weather Events Impact Campylobacteriosis Risk?, Public Health Research at Maryland Day, College Park, MD, 2015
16. **Sapkota, A.**, Climate Change, Extreme Temperature Events and Chronic Diseases, Public Health Research at Maryland Day, College Park, MD, 2015.
17. Mitchell C, **Sapkota A.** Maryland Public Health Strategy for Climate Change. Public Health Research at Maryland Day, College Park, MD, April 9, 2015.
18. **Sapkota A.** Climate Change and Allergic Diseases: A Disparity in Risk. Climate Action 2016/Forum. Panel on Climate Change Resilience/Adaptation. College Park, MD. May4th 2016.
19. **Sapkota A.** Climate Change and Human Health: Local and National Perspectives. Maryland Climate Coalition, Climate Stewards of Greater Annapolis. Annapolis, MD, March 17th 2016.
20. Kulkarni P*, Olson N*, Raspanti G**, Sapkota A, **Sapkota AR†.** Occurrence of Antibiotic Residues in Wastewater and Reclaimed Water in the United States. Poster presentation. University of Maryland Bioscience Day. College Park, Maryland. October 25, 2016.
21. **Sapkota A.** Maryland Health, Communities and Environment Who is most at risk & Where are the most vulnerable communities? Summary of results from DHMH-UMD Project. Building Resilient Communities in Maryland: A Stakeholder Forum. Frostburg, MD, December 9, 2016
22. **Sapkota A.** Climate Change, Alteration in Plant Phenology, and Allergic Diseases. Maryland Public Health Association Annual Meeting, College Park, Oct 7th, 2017.

23. **Sapkota A.** Climate Change, Extreme Events, and Impaired Health: Maryland Perspectives. Southern High School, MD, Nov 27th, 2017.
24. Jiang C, Zambrana J, Blythe D, Mitchell C, Sapkota AR, **Sapkota A.** Climate Change, Extreme Events and Increased Risk of Salmonellosis - Results from Multi-State Analysis: 2002-2012. Public Health Research@Maryland. College Park, MD. 2018 Apr 3.
25. Remigio R, Topping A, Raimann J, Kotanko P, Maddux FW, **Sapkota A**, Kinney P. Effects of extreme heat on clinical outcomes among hemodialysis patients: preliminary findings from the HEAT-HD study Public Health Research@Maryland. College Park, MD. 2018 Apr 3.
26. R. Remigio, J. Rainmann , F. Maddux, X. He., P. Kotanko, A. Sapkota. Single-day inclement weather event as an adherence barrier among hemodialysis patients in urban northeastern cities. Public Health Research@Maryland. College Park, MD. 2018 Apr 3.
27. Sapkota A. Climate Change, Extreme Events, and Impaired Health: Maryland Perspectives. Maryland Association of Counties, Annual Conference. Ocean City, MD. August 15th, 2019

Funding

Ongoing:

- 7/20-6/23 AWARD-APR: Addressing Extreme Weather Related Diarrheal Disease Risks in the Asia Pacific Region.
 Sponsor: NSF/NOAA/Belmont Forum
 Role: **Principal Investigator**
- 3/12-9/21 *Maryland Public Health Strategy for Climate Change*
 Sponsor: Maryland Department of Health through CDC
 Role: **Principal Investigator**
- 3/16-3/20 *CONSERVE: A Center of Excellence at the Nexus of Sustainable Water Reuse, Food and Health (Award #2016-68007-25064)*
 Sponsor: U.S. Department of Agriculture, National Institute for Food and Agriculture
 Role: **Laboratory Core Director and Co-Project Director** (PI/Project Director: Amy Sapkota).
- 7/18-6/23 *Effects of climate change on prevalence and environmental niches of clinically important vibrios in the Chesapeake Bay.*
 Sponsor: National Institute of Environmental Health Sciences and National Science Foundation.
 Role: **Co-Investigator** (PI: Anwar Huq).
- 01/19-12/23 NRT-INFEWS: UMD Global STEWARDS (STEM Training at the Nexus of Energy, Water Reuse and Food Systems)
 Sponsor: National Science Foundation, Graduate Training Grant

Role: **Co-Principal Investigator**,

Completed:

- 1/17-6/17 Fulbright Senior Researcher Scholarship, Nepal. A Joint Collaboration To Address Household Air Pollution and Lung Cancer Risk in Nepal
Sponsor: U.S. Department of State
Role: **Principal Investigator**
- 8/15 -7/17 “ScienceBEAT: An Innovative Educational Partnership to Increase Understanding of Climate Change”.
Sponsor: UMD Council on Environment
Role: **Co-Investigator**.
- 5/13-4/16 “National Scale Assessment of the Impact of Climate Change on Asthma Morbidity.
Sponsor: National Institute of Environmental Health Sciences
[Grant # 1R21ES021422-01A1]
Role: **Principal Investigator**
- 2/15 – 1/17 “Testable Exosome Signatures of Influenza Threats”
Sponsor: Intelligence Advanced Research Project Activity (IARPA)
Role: **Co-Investigator** (PI: Dr. Milton)
- 8/13-5/14 “Marcellus Shale Public Health Report”
Sponsor: Maryland Department of Health and Mental Hygiene
Role: **Co-Investigator** (PI Dr. Milton)
- 6/09-2/12 R03, “Spray irrigation workers’ exposures to antibiotic-resistant bacteria and antimicrobials from reclaimed wastewater.”
Sponsor: National Institute for Occupational Safety and Health, R03 Small Grants Program, [Grant # 1-R03-OH009598-01]
Role: **Co-Investigator**
- 4/13-3/14 “Quantifying human health effects from climate change in an integrated assessment model”
Sponsor: ADVANCE Program Interdisciplinary and Engaged Research Seed Grant
Role: **Co-Investigator** (PI: Dr. Gilmore)
- 9/09-10/10 “Linkage of Meteorological Data with NHIS Respondents for Research on Climate Change and Respiratory Health Outcomes”
Sponsor: Centers for Disease Control and Prevention
Role: **Principal Investigator**
- 01/09-12/10 “Environmental Risk Factors of Lung Cancer in Low to Middle Income Countries”
Sponsor: International Agency for Research on Cancer (IARC)
Role: **Co-Principal Investigator** (additional Co-PI: Dr. Mia Hashibe)

- 06/08-09/09 *“Investigation of Air Quality Around Public Schools”*
 Sponsor: USA Today
 Role: **Principal Investigator**
- 7/09-6/10 *“Occupational Exposure of Bus Drivers to Volatile Organic Compounds and Particulate Matter”*
 Sponsor: National Institute for Occupational Safety and Health, Education and Research Center, Pilot Project Research Training Award.
- 08/02-07/04 *“Assessment of Highway Toll Booth Worker’s Exposures to 1,3-Butadiene”*
 Sponsor: National Institute for Occupational Safety and Health, Education and Research Center, Pilot Project Research Training Award
 Role: **Principal Investigator**
- 08/00-08-03 *“Mobile Source Effect on Ambient Concentration of Hazardous Air Pollutants”*
 Sponsor: National Institute for Occupational Safety and Health, Education and Research Center, Pilot Project Research Training Award (Grant # T42/CCT310419).
 Role: **Principal Investigator**
- 08-02-08-03 *“Exposure to Mobile Source Related Air Pollutants among Inner City Baltimore Residents.”*
 Sponsor: Johns Hopkins University Risk Sciences and Public Policy Institute, Pilot Project Award

Honors and Awards

1. Clark University International Scholarship, 1993-1998
2. Clark University, Deans List (First Honors), 1993, 1994, 1997
3. International Society for Exposure Analysis Travel Scholarship, 2000
4. The Johns Hopkins School of Hygiene and Public Health Scholarship, 1999-2004
5. Cornelius W. Kruse Award for Outstanding Graduate Studies, Johns Hopkins University, 2004
6. Research Training Fellowship Awardee, International Agency for Research on Cancer, 2005
7. Delta Omega, Alpha Chapter, Honorary Public Health Society, 2012
8. Council on Environment, Junior Faculty Award, 2013.
 (This award recognizes the most promising young faculty member who has made a significant impact on environmental issues).
9. Honoree, 7th Annual University-Wide Celebration of Scholarship & Research, University of Maryland College Park, May 2014.
10. Honoree, 8th Annual University-Wide Celebration of Scholarship & Research, University of Maryland College Park, May 2015.

11. Honoree, 9th Annual University-Wide Celebration of Scholarship & Research, University of Maryland College Park, May 2016.

12. Fulbright Senior Research Scholar to Nepal. U.S. Department of States, 2017

Editorial Board:

1. Frontiers in Oncology
2. International Journal of Research on Public Health, Climate and Health section.

Reviewing Activities:

PNAS
Nature Communication
Environmental Health Perspectives
Environmental Research
Environment Science & Technology
Environment International
Environmental Health
Frontiers in Oncology
Water Research
Science of the Total Environment
EcoHealth
Air Quality, Atmosphere and Health
Chemosphere
Cancer Causes and Control
Frontiers in Oncology
Journal of Occupational and Environmental Hygiene
Journal of Exposure Science and Environmental Epidemiology
Air and Waste Management Association

Teaching

Courses taught as the primary instructor

Fall 2007	Course relief	Recruitment package		
Spring 2008	MIEH771	Exposure Assessment	4 Students	3 credits
	MIEH789	Independent Study	1 Student	3 credits
Fall 2008	MIEH740	Env. Health Risk Assessment	5 Students	3 credits
	MIEH785	Internship Public Health	1 Student	3 credits
Spring 2009	MIEH771	Exposure Assessment	4 Students	3 credits
	MIEH785	Internship Public Health	2 Students	3 credits
	MIEH799	Masters Thesis Research	1 Students	6 credit
Fall 2009	MIEH740	Env. Health Risk Assessment	10 Students	3 credits

Spring 2010	HONR268C	Public Health Perspectives	18 Students	3 credits
	MIEH771	Exposure Assessment	4 Students	3 credits

Summer 2010: The Concept and Practice of Risk Assessment and Molecular Epidemiology in Public Health, July 12-16, 2010, **Fudan School of Public Health, Shanghai, China**. Taught one week Risk Assessment course to 40 graduate students, researchers, and faculty members. This course was organized by Dr. Deliang Tang at the Columbia University Mailman School of Public Health.

Fall 2010	MIEH740	Env. Health Risk Assessment	2 Students	3 credits
	MIEH785	Internship Public Health	1 Student	3 credits
	MIEH786	Capstone Project MPH	1 Student	3 credits
	MIEH788	Critical Reading in EH	1 Student	1 credit
	MIEH789	Independent Study	2 Students	1 credit

Spring 2011	MIEH600	Foundations of Env. Health	13 Students	3 credits
	MIEH771	Exposure Assessment	12 Students	1 credit
	MIEH788	Critical Reading in EH	1 Student	1 credit
	MIEH789	Independent Study	1 Student	1 credit
	MIEH799	Masters Thesis Research	1 Student	1 credits

Fall 2011	ENST446/MIEH440	Env. Health Risk Assessment	15 Students	3 credits
	MIEH609	Methods in Toxicology	1 Student	1 credit
	MIEH740	Env. Health Risk Assessment	13 students	3 credit
	MIEH785	Internship Public Health	2 Students	3 credits

Spring 2012	HONR268C	Public Health Perspectives	20 Students	3 credits
	MIEH771	Exposure Assessment	5 Students	3 credits
	MIEH786	Capstone Project in Env. Health	1 Student	3 credits
	MIEH789	Independent Study	1 Student	1 credit
	MIEH799	Masters Thesis Research	2 Students	3 credits

Summer 2012	MIEH600	Foundations of Env. Health	10 Students	3 credits
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Fall 2012	EPIB899	Doctoral Dissertation Research	1 Student	6 credits
	MEE898	Independent Study	1 Student	1 credit
	MIEH309	Env. Health Research	2 Students	1 credit
	MIEH740	Env. Health Risk Assessment	7 Students	3 credits
	MIEH785	Internship Public Health	1 Student	3 credits
	MIEH788	Critical Readings in Env. Health	1 Student	1 credit
	MIEH898	Pre-Candidacy Research	1 Student	1 credit

Spring 2013	MIEH309	Env. Health Research	2 Students	3 credits
	MIEH609	Methods in Toxicology	1 Student	3 credits
	MIEH771	Exposure Assessment	8 Students	3 credits

Summer 2013	MIEH600	Foundations of Env. Health	11 Students	3 credits
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Fall 2013	MIEH740	Env. Health Risk Assessment	4 students	3 credits
Spring 2014	MIEH771	Exposure Assessment	10 students	3 credits
Fall 2014	MIEH309	Env. Health Research	2 students	3 credits
	MIEH740	Env. Health Risk Assessment	4 students	3 credits
Spring 2015	MIEH309	Env. Health Research	1 student	3 credits
	MIEH771	Exposure Assessment	7 students	3 credits
Fall 2015	MIEH400	Introduction to Global Health	18 students	3 credits
	MIEH785	Internship Public Health	1 student	3 credits
Spring 2016	MIEH771	Exposure Assessment	10 students	3 credits
Fall 2016	MIEH400	Introduction to Global Health	46 students	3 credits
Spring 2017		Sabbatical		
Summer 2017	MIEH400	Introduction to Global Health	42 students	3 credits
Fall 2017	MIEH400	Introduction to Global Health	100 students	3 credits
Spring 2018	MIEH400	Introduction to Global Health	117 students	3 credits
	MIEH771	Exposure Assessment	3 students	3 credits
Summer 2018	MIEH400	Introduction to Global Health	31 students	3 credits.

Course or Curriculum Development

Overall One of the first two tenure track faculty members hired at the Maryland Institute for Applied Environmental Health when the decision was made to have an accredited School of Public Health at the College Park campus. As such, I have played a major role in the curriculum development for MPH and PhD program in Environmental Health

New Graduate Courses Developed

MIEH 600 Foundations of Environmental Health
Role: Developed this course from scratch when the previous instructor retired.

MIEH 740 Human Health Risk Assessment
Role: Developed this new course from scratch as a part of the new MPH program in Environmental Health.

MIEH 771 Exposure Assessment
Role: Developed this new course from scratch as a part of the new MPH program in Environmental Health.

e-MIEH600 Online MIEH600
Role: Led the development of e-MIEH600 (online) course for the new e-MPH degree in Health Services Administration.

New Undergraduate Courses Developed

MIEH440/ENST446 Human Health Risk Assessment
Role: Created an undergraduate version of the MIEH740.

HONR268C Public Health Perspectives
Role: Developed a complete new course for the undergraduate honors student.

MIEH400 Introduction to Global Health
Role: Developed a new course in Global Health for undergraduate student. Currently this course is subscribed to its maximum capacity (120).

e-MIEH400 Introduction to Global Health
Role: Developed an online version of MIEH400 to be offered every summer.

Guest Lectures

MIEH 600 Principles of Environmental Health (2 lectures per year)

MIEH 300 Introduction to Environmental Health (1 lecture per year, 2011-2012)

MIEH720 Principles of Toxicology (One guest lecture 2008-2009)

Exchange International Exchange Program with Kyung Hee University (Korea) entitled "Engineering Technology and Public Health" (Undergraduate program) (Two guest lectures in environmental health). Summer 2012 and Summer 2013.

Mentoring and Advising

Undergraduate Research Advising

Amee Raval Spring 2010-Spring 2013. Major in Environment Science and Technology. Howard Hughes Medical Institute Undergraduate Research Fellowship (2011) Policy & Research Associate, Asian Pacific Environmental Network, San Francisco.

Sadia Nmn Goheer Fall 2010-Spring 2011. Major in Analytical Chemistry

Roma Desai Fall 2011-Spring 2012. Major in Environment Science and Technology.

William N. Dade Summer 2011. UMSTAR Fellow from the North Carolina Agricultural and Technical State University.

Jin Seok Kim	Spring 2012-Spring 2013. Major in General Biology, May 2013. Went on to Graduate School.
Jeongkyun Lee	Spring 2013-Spring 2016. Major in Biology, May 2015.
Satish Mishra	Spring 2012-Fall2012, George Washington University.
Betel Shewarega	Spring 2018-present, Major in Public Health Science.

Graduate Research Advising

Visiting Faculty Advising (Sabbatical Host)

Shizuka Hsieh	Sabbatical Host. September 2012-May 2013. Currently Associate Professor and Chair, Department of Chemistry, Trinity Washington University, Washington Dc.
Narges Khanjani	Sabbatical Host. September 2015 - February 2016. Currently Professor, Kerman Medical University, Department of Epidemiology and Biostatistics, Iran.
Subodh Adhikari	Research volunteer from Nepal, Fall 2013. Currently Resident Physician East Tennessee State University.

Post-doctoral

Sorina Eftim	October 2009 – May 2010. Currently at Inner City Fund (ICF) International.
Sutyajeet Sonja	September 2014 – August 2016. Currently AAAS Science & Technology Policy Fellow, United States Agency for International Development (USAID).
Chengsheng Jiang	April 2013- Present. Currently Research Assistant Professor, Maryland Institute for Applied Environmental Health.
Greg Raspanti	May 2016 – October 2017. Currently research scientist at New Jersey Department of Environmental Protection.
Linyan Zhu	July 2018-Dec 2019
Heather Randell	August 2018-July 2019. Currently Assistant Professor at Pennsylvania State University.

PhD Students, Major Advisor

(PhD Program was started in the Maryland Institute for Applied Environmental Health after Spring 2012)

Bradley Kerridge	Fall 2009-Spring 2013. Dissertation title: <i>Terrorism, Civil War, One-Sided Violence and Global Burden of Disease.</i> <ul style="list-style-type: none"> • Pre-doctoral National Research Service Award (NRSA) Fellowship, National Institutes of Health, 1-F31 DA025377-01. 2013. • Currently Epidemiologist at National Institutes of Health.
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- Crystal Romeo Spring 2011-Spring 2016. Dissertation title: *The Association of Extreme Heat and Chronic Respiratory Disease Among a Nationally Representative Sample of the United States Population*
- NSF Louis Stokes Alliance for Minority Participation (LSAMP) Fellowship (2010-2012).
 - Travel Award: Emerging Researchers National (ERN) Conference in Science, Technology, Engineering and Mathematics (2011),
 - NSF Alliances for Graduate Education and the Professorate (AGEP) Travel Award – registration, airfare, and lodging (2011).
 - Currently Senior Environmental Scientist, Climate Adaptation and Resilience Technical Lead at AECOM.
- Saptashati Biswas Fall 2009 – 2014 (Co-Advisor: Dr. Josh McGrath). Dissertation Title: *Quantification of Ionophore Antimicrobials Associated With Poultry Litter and Their Dynamics in the Soils of the Mid-Atlantic USA.*
- Best Grad Student of the Year by S-11 division, Soil Science Society of America (2010)
 - Second position in BioScience Day poster competition (2010); Travel Award, International ASA-CSSA-SSSA Joint Meeting (2010)
 - Outstanding Graduate Student Award (PhD) by Department of Environmental Science and Technology, University of Maryland-College Park (2011)
 - Summer Research Fellowship, Graduate School, University of Maryland-College Park (2011)
 - 2nd Position in Poster Competition at ASA-CSSA-SSSA North East Branch Meeting, at Chesapeake Beach, MD (2011).
 - Currently at Nebraska Water Center
- Greg Raspanti Fall 2012 – Spring 2016. Dissertation Title: *Lung Cancer in Nepal: The Role of Traditional Tobacco Products and Household Air Pollution.*
- First Place in Health Section for original research poster “Traditional vs. Commercial Tobacco Use and Lung Cancer Risk in Nepal”– Graduate Research Interaction Day UMD April, 2013
 - Elected President of Delta Omega honorary public health organization– October, 2012
 - Dean’s Fellowship Award – August, 2012
 - University of Maryland Center for Teaching Excellence Distinguished Teaching Assistant Award 2011-2012
 - Currently at New Jersey Department of Environmental Protection.
- Suraj Pantti Fall 2016 – present.
- Dean’s Fellowship 2017
 - Dean’s Fellowship 2018
- Joshua Medero Pedin Fall 2017 - Present

Richard Remigio Fall 2017 - present.

- Recipient of Travel Grant, Local Solutions: Eastern Climate Preparedness Conference. Manchester, NH. 2018 30 Apr - 2 May.
- Travel Award, Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology. Ottawa, ONT, CAN 2018 Aug 26-30.

Nick Adams Fall 2019-Present

Hyeonjin Song Fall 2019-Present

Committee Member, PhD Students

Ryan L. Sheppard Androgen receptor polyglutamine repeat length affects receptor activity and C2C 12 cell myogenic potential. 2010.

Sankar Sambandam Developing Exposure Assessment Methods for Indoor Air Pollutants from Household Combustion of Solid Fuels in Rural Areas of Southern India. Sri Ramchandra University, Dept. of Environmental Health Engineering, Chennai, India. 2011.

Sarah A. Evans Nuclear Reactions – Testing a Message-Centered Extension of Enduring Predictions About Expert and Lay Person Perceptions of and Reactions to Risk. Department of Communication, University of Maryland. 2011.

Rachel R. Goldstein Antibiotic-Resistant Bacteria in Wastewater and Potential Human Exposure Through Wastewater Reuse. University of Maryland School of Public Health. 2013

Jarim Kim The Impact of Consideration of Future Consequences and Temporal Framing on Acceptance of the HPV Vaccine. Department of Communication, University of Maryland. May 2014.

Kristen N. Burwell The Development of a Community Informed Cumulative Stressors and Resiliency Index (CSRI) to Examine Environmental Health Disparities and Disease Risk in South Carolina. University of Maryland School of Public Health. May 2017.

Jared A. Fisher Associations Between Ambient Particulate Matter Exposures, Stroke, and Markers of Cardiovascular Inflammation. University of Maryland School of Public Health. May 2017.

Chih-Hsien Lin Harmful Algae in Chesapeake Bay: A Study Focused on Karlodinium Veneficum Applying Time Series, Physiological, and Modeling Approaches. Marine Estuarine Environmental Sciences, University of Maryland Eastern Shore. April 2018.

Allison Marie Ring Exploring the impacts of regional emissions sources on tropospheric ozone in the eastern United States using air quality models and data products. University of Maryland, Department of Atmospheric and Oceanic Sciences. December 2018

Major Advisor, Master of Public Health (MPH) Students (* denotes Thesis)

Joanne Perodin	Fall 2007-Spring 2009. Thesis title: <i>Cross sectional evaluation of potential Volatile Organic Compound exposures around Schools*</i> . Currently employed at the Children's Environmental Health Network.
Adam Chelikowsky	Fall 2009-Spring 2011. Integration and Migration of Manufacturing Operations from Camarillo to Frederick; an EHS Perspective. Currently Environmental Health and Safety Engineer at Emergent Biosolutions.
Michelle Fransen	Fall 2010-Spring 2012. Thesis titled: <i>Influence of weekdays weekends, bandhas and weather conditions on particulate matter concentrations in the Kathmandu Valley Nepal*</i> . Currently Senior Environmental & Technical Specialist at COGENCY.
Job Sterling	Fall 2010-Spring 2012. Capstone project titled: <i>Indoor/outdoor volatile organic compound concentrations in the inner city Washington DC – A comparative analysis</i> . Currently working at Habitat for Humanity.
Greg Raspanti	Fall 2010-Spring 2012. Thesis titled: <i>Environmental Impacts on Fecal Indicator Bacteria in 5 National Parks*</i> . Currently employed as a research scientist at the New Jersey Department of Environmental Protection.
Cynthia Bashore	Fall 2010 –Summer 2012. Thesis titled: <i>Maternal mercury exposure, season of conception and adverse birth outcomes in an urban immigrant community in New York City*</i> . Currently employed as Veterinary Medical Officer at the Division of Human Food Safety, Center for Veterinary Medicine, Food and Drug Administration.
Chris Caler	Fall 2011-Spring 2013. Capstone project title: <i>Containment testing of compressed gas cylinders within chemical fume hoods – are lecture bottles safe?</i> Currently employed at Indian Health Services.
Hsin Chieh Wu	Fall 2011-Spring 2013. Thesis Titled: <i>Climate Change, pollen levels and emergency department Visits for asthma in Maryland*</i> . Currently employed at the Maryland Department of Health and Mental Hygiene.
Rebecca Braun	Fall 2010-Spring 2013. Thesis title: <i>Alcohol exposure in preterm infants in neonatal isolettes*</i> . Currently employed at Booze Allen Hamilton.
Gil Gabby	Fall 2014-Spring 2016. Capstone project title: <i>An Inhalation Exposure Profile Comparison of Paint Products Used at the University of Maryland, College Park Campus</i> .

Kim Stinchcomb Fall 2013-Spring 2016. Capstone project title: *Potential Public Health Impacts of Climate Change in the College Park-Riverdale Park Transit District Development Area.*

Chanjuan Huang Fall 2014-Spring 2016. Capstone project title: *Trends in Cadmium Exposure Among the U.S General Population: NHANES (1999-2012).*

Master Students, Committee Member or Minor Advisor on Special Project

Erinna Kinney Fall 2007-Spring 2009. Thesis titled: *Isolation, identification and antimicrobial susceptibility analysis of Enterococcus spp. and Salmonella spp. From conventional poultry farms transitioning to organic farming practices.*

Patrick Wallace Fall 2007-Spring 2009. Project title: *Developing a Risk Based Remediation Strategy for Underground Storage Tanks using Geographical Information Systems.*

Meredith Jenkins Fall 2008-Spring 2011. On Achieving and Maintaining OSHA Voluntary Protection Programs Star Certification.

Mitiku W. Dossa Fall 2008-Spring 2010. Water pollution and public health hazards in Ethiopia.

Rachel Goldstein Fall 2008-Spring 2010; Thesis titled "*Evaluation of antibiotic-resistant bacteria in tertiary treated wastewater, reclaimed wastewater used for spray irrigation, and resulting occupational exposures*".

Kristie Trousdale Fall 2008-Spring 2010

Mack A. Frost Fall 2009 – Spring 2011

Jessica M. Lopez Fall 2011-Spring 2013. Thesis title: *Short-term Effects of Ambient Ozone on Stroke Risk in South Carolina.*

Rianna T. Murray Fall 2011-Spring 2013. An Assessment of Exposure to Pollution by Recreational Users of the Anacostia Water Watershed – Project RECREATE. 2013

Oluwasanmi O. Adenaiye

Tracking Acute Respiratory Infections in a College Residence. Maryland Institute for Applied Environmental Health, University of Maryland School of Public Health.

Service

Community, State, National and International

2005	IARC Secretariat, IARC Monographs (Volume 93: Carbon black, Titanium dioxide, and Talc and Volume 95: Household use of solid fuels and high-temperature frying)
2008	Dietary Exposure Assessment Tools for Prioritizing Food Safety Concerns, FDA-JIFSAN
2008	Advisor to the office of State Delegate James Hubbard on Bisphenol A
2008-2011	Member of workgroup on <i>Maryland Comprehensive Cancer Control Plan</i> . Maryland Department of Health and Mental Hygiene
2008-2012	Member, Expert committee on outdoor air pollution, Global Burden of Disease. The Institute for Health Metrics and Evaluation
2008-2012	Member, Expert committee on indoor air pollution, Global Burden of Disease. The Institute for Health Metrics and Evaluation
2009-2011	Committee member, Maryland Comprehensive Cancer Control Plan, Maryland Department of Health and Mental Hygiene.
2009	Conference Co-Chair. Emerging Contaminants (Pharmaceuticals and Personal Care Products) and Organohalogenes in Wastewater and Municipal Biosolids. 238th American Chemical Society (ACS) National Meeting August 16-20, 2009 Washington, DC, USA
2009-2010	Member of external review panel for <i>Toxicological Profile for 1,3-Butadiene</i> . Agency for Toxic Substance and Disease Registry.
2011	Johns Hopkins University, NIEHS Center Pilot Project Reviewer.
2011	Member, Health Burden of Indoor Air Pollution on Women and Children in Developing Countries. NIH led trans-agency workshop.
2011	Member, Organizing Committee. Annual International Society for Exposure Science Conference (ISES), Baltimore.
2011-2012	Expert committee member, NIH Panel to prioritize research opportunities in Indoor Air Pollution
2012	Member, International Scientific Committee. 7 th International Conference on the Science of Exposure Assessment. Edinburgh, Scotland.
2013-14	Member of workgroup on Cancer Clusters and Environmental Causes of Cancer, Department of Health and Mental Hygiene.
2014	Co-Author, Marcellus Shale Public Health Study. Prepared for the Marcellus Shale Safe Drilling Initiative Advisory Commission.
2015-present	Aeroallergen workgroup member, Council of State and Territorial Epidemiologists.
2016	Panel Member, Conference on New Data Linkage, Arlington, Va.
2016-present	Member, Scientific and Technical Working Group (STWG), Maryland Commission on Climate Change.

Faculty Appointment, Promotion, & Tenure (APT) Evaluations

2014	Reviewer of APT Evaluation for Research Faculty, University of California at Los Angeles.
2016	Reviewer of APT package, University of Wisconsin-Milwaukee.
2017	Reviewer of Promotion Package, National Center for Health Statistics.
2018	Reviewer of APT package, Indiana University.
2020	Reviewer of APT package, George Washington University
2020	Reviewer of APT package, University of Minnesota

Grant Review Panel, National and International

2013	Member, Review Panel. Centers for Disease Control and Prevention, National Center for Injury Prevention and Control (NCIPC), Special Emphasis Panel (SEP).
2010	Member of Review Panel, US Environmental Protection Agency, NCER Grant Review EPA-G2010-STAR-B1.
2015	Member, NIH Review Panel: Pediatric Research Using Integrated Sensor Monitoring Systems (PRISMS): Sensors Development Project For Asthma (U01)
2016	Member, NIH Review Panel: Environmental Influences on Child Health Outcomes (ECHO) program - Pediatric Cohorts
2016	Member, NIH Review Panel ZRG1 PSE-H (02). Member Conflict: Pulmonary, Cardiovascular and Musculoskeletal Epidemiology
2017	Member, India-Israel (University Grant Council--Israel Science Foundation) Research Grant Review Panel.
2015-2018	<i>Ad hoc</i> Member, National Institute of Occupational Safety and Health (NIOSH) Review Panel
2019-present	Permanent member, National Institute of Occupational Safety and Health (NIOSH) Review Panel

Departmental Service

Search Committees

2008	Tenure Track Faculty, Department of Epidemiology and Biostatistics. Director, Maryland Institute for Applied Environmental Health
2009	Director, Maryland Institute for Applied Environmental Health
2009	Program Director, Undergraduate Public Health Program at the Shady Grove Campus
2010	Three tenure-track positions at the assistant/associate level; Maryland Institute for Applied Environmental Health.
2011	Chair, Department of Epidemiology and Biostatistics
2014	Tenure Track Faculty (2), Department of Epidemiology and Biostatistics.
2016	Assistant Professor of Global Health, University of Maryland School of Public Health

Other MIAEH Service

2007-2012	Director, Graduate Program, MIAEH
2007-2013	Chair, Graduate recruitment and admissions committee
2007-2014	Curriculum development for MIAEH MPH and PhD programs
2007-2014	Competencies development for MIAEH MPH and PhD programs
2007-2013	Biological/Chemical Safety Committee
2007-2014	Committee on Adjunct/Affiliate Faculties
2009-2011	Colloquium Committee
2009-2011	Award Committee
2011-2014	Grievance Committee
2009	Organizer, MIEH Seminar Series
2015	Member, Appointment Promotion and Tenure (APT) Committee.

School and University Service

2008-2014	Member, Graduate Public Health (GPH) Committee
2009	Member, UMD-SPH Team for the SPH accreditation site visit by CEPH.
2011	UMD-President's China Task Force Committee

2013	Member of Subcommittee on Curricula Alignment, UMD-UMB Collaborative School of Public Health, MPowering the State.
2014	Reviewer, Council on Environment (ConE) Pilot Project Awards.
2015	Member of Search Committee: Dean, School of Public Health
2015-2016	Member, Climate Implementation Summit
2015	Member, Pilot Project Application Review Committee, Maryland Population Research Center, University of Maryland.
2015	Co-Chair, Panel on Climate and Health, UMB-UMD Research Day
2016	Coordinator, Resilience and Adaptation Track, UMD Climate Forum.
2016	Member, Limited Submission Review Committee, University of Maryland College Park.
2016-present	Director, EXPOSOME Small Molecule Core Facility, University of Maryland College Park.
2014-present	Member, University of Maryland Radiation Safety Committee
2018-2018	Chair, Research Committee, University of Maryland School of Public Health.