CURRICULUM VITAE

Amir Sapkota, Ph.D.

PERSONAL INFORMATION

Professor and Chair
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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, 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

8/22- Present Professor and Chair
Department of Epidemiology and Biostatistics
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9/19-7/22 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
05/10-Present	Affiliate Faculty University of Maryland School of Medicine 665 W. Baltimore Street Baltimore MD 21201
1/10-Present	Affiliate Faculty University of Maryland College Park Maryland Population Research Center College Park, MD
1/09-Present	Affiliate Faculty University of Maryland College Park 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 over 35,013 times, with an average of 350 citations per paper. **My overall h-index is 40 and i-index is 82.** https://scholar.google.com/citations?user=vM8k5mwAAAAJ&hl=en&oi=ao

Articles Published or In Press in Peer-reviewed Journals

1. Cruz-Cano R, He H, Aryal S*, Dhimal M, Dang TA, Zhang L, Ma T, Liang XZ, Murtugudde R, Gao C, Sharma A, Andhikaputra G*, Wang YC, **Sapkota A**. A prototype early warning system for diarrhoeal disease to combat health threats of climate change in the Asia-Pacific region. *Environ. Res. Lett*. **2024.** 19 114094. DOI 10.1088/1748-9326/ad8366. *Impact Factor: 7.2*

2. Sophia Y, Roxy MK, Murtugudde R, Karipot A, **Sapkota A**, Dasgupta P, Baliwant K, Saunik S, Tiwari A, Chattopadhyay R, Phalkey RK. Dengue dynamics, predictions, and future increase under changing monsoon climate in India. *Sci Rep.* 2025 Jan 21;15(1):1637. doi: 10.1038/s41598-025-85437-w. *Impact Factor: 3.8*

3. Maldarelli ME, Song H*, Brown CH, Situt M, Reilly C, Mahurkar AA, Felix V, Crabtree J, Ellicott E, Jurczak MO, Pant B, Gumel A, Zafari Z, D'Souza W, **Sapkota A**, Maron BA. Polluted air from Canadian wildfires and cardiopulmonary disease in the Eastern US. *JAMA Netw Open.* 2024 Dec 2;7(12):e2450759. doi:10.1001/jamanetworkopen.2024.50759.PMID: 39671196. *Impact Factor: 13.8*

4. Eggeling J, Gao C, An D, Cruz-Cano R, He H, Zhang L, Wang YC, **Sapkota A**. Spatiotemporal link between El Niño Southern Oscillation (ENSO), extreme heat, and thermal stress in the Asia-Pacific region. *Sci Rep.* **2024** Mar 28;14(1):7448. doi: 10.1038/s41598-024-58288-0. *Impact Factor: 3.8*

5. Sharma A., Dutta P., Shah P., Iyer V., He H., **Sapkota A**., Gao C., and Wang Y.C. Characterizing the effects of extreme heat events on all-cause mortality: A case

study in Ahmedabad city of India, 2002–2018. *Urban Climate.* **2024** (54) 101832. https://doi.org/10.1016/j.uclim.2024.101832. *Impact Factor: 9.7*

6. Sharma A, Wibawa BSS, Andhikaputra G, Solanki DB, **Sapkota A**, Chianghsieh LH, Iyer DV, Wang YC. Spatial Analysis of Food and Water-Borne Diseases in Ahmedabad, India: Implications for Urban Public Health Planning. *Acta Trop*. **2024** Mar 9:107170. doi: 10.1016/j.actatropica.2024.107170. *Impact Factor: 2.1*
7. Chattopadhyay S, Malayil L, Chopyk J, Smyth E, Kulkarni P, Raspanti G*, Thomas SB, **Sapkota A**, Mongodin EF, Sapkota AR. Oral microbiome dysbiosis among cigarette smokers and smokeless tobacco users compared to non-users. *Sci Rep.* **2024** May 6;14(1):10394. doi: 10.1038/s41598-024-60730-2. *Impact Factor: 3.8*
8. Doo FX, Parekh VS, Kanhere A, Savani D, Tejani AS, **Sapkota A**, Yi PH. Evaluation of Climate-Aware Metrics Tools for Radiology Informatics and Artificial Intelligence: Towards a Potential Radiology Eco-Label. *J Am Coll Radiol*. **2023** Dec 1:S1546-1440(23)00960-2. doi: 10.1016/j.jacr.2023.11.019. Epub ahead of print. PMID: 38043630. *Impact Factor: 4.8*
9. An D, Eggeling J, Zhang L, He H, **Sapkota A**, Wang YC, Gao C. Extreme precipitation patterns in the Asia-Pacific region and its correlation with El Niño-Southern Oscillation (ENSO). *Sci Rep*. **2023** Jul 8;13(1):11068. doi: 10.1038/s41598-023-38317-0. *Impact Factor: 3.8*
10. **Sapkota A**, Kotanko P. Climate change-fuelled natural disasters and chronic kidney disease: a call for action. *Nature Rev Nephrol*. **2023** Jan 20. doi: 10.1038/s41581-023-00682-4. *Impact Factor: 42.4*
11. Remigio RV*, Song H*, Raimann J, Kotanko P, Maddux FW, Lasky RA, He X, **Sapkota A**. Inclement weather and risk of missing scheduled hemodialysis appointments among kidney failure patients. *Clin J Am Soc Nephrol.* **2023** Apr 18. doi: 10.2215/CJN.0000000000000174. *Impact Factor: 8.2*
12. Wibawa BS, Maharani AT, Andhikaputra G, 1ORCID, Putri MSA, Iswara AP, **Sapkota A**, Sharma A, Syafei AD, Wang YC. Effects of ambient temperature, relative humidity, and precipitation on diarrhea incidence in Surabaya. *Int. J. Environ. Res. Public Health.* **2023**, 20(3), 2313; https://doi.org/10.3390/ijerph20032313. *Impact Factor: 4.6*
13. Zhu, L., Chattopadhyay, S., Elijah Akanbi, O. Lobo S., Panthi S., Malayil L., Craddock H.A., Allard S.M., Sharma M., Kniel K., Mongodin E.F., Chiu P.C., **Sapkota A.**, Sapkota A.R. Biochar and zero-valent iron sand filtration simultaneously removes contaminants of emerging concern and Escherichia coli from wastewater effluent. *Biochar*, 5, 41, **2023**. https://doi.org/10.1007/s42773-023-00240-y. *Impact Factor: 13.1*
14. Andhikaputra G, Sharma A, **Sapkota A**, He H, Lin YK, Deng LW, Wang YC. Quantifying the effects of anomalies of temperature, precipitation, and surface

water storage on diarrhea risk in Taiwan. *Epidemiology and Health.* **2023**; e2023024 DOI: https://doi.org/10.4178/epih.e2023024. *Impact Factor: 3.3*

15. Adams N*, Dhimal M, Iyer V, Murtugudde R, Liang XZ, Haider M, Cruz-Canos R, Thi Anh TD, Hashim J, Gao C, Wang YC, **Sapkota A**. El Niño Southern Oscillation, Monsoon Anomaly and Childhood Diarrheal Disease Morbidity in Nepal. *PNAS Nexus.* **2022.** 1 (2):pgac032, https://doi.org/10.1093/pnasnexus/pgac032. *Impact Factor: 3.0*

16. Andhikaputra G, **Sapkota A**, Lin YK, Chan TC, Gao C, Deng LW, Wang YC. The impact of temperature and precipitation on all-infectious-, bacterial-, and viral-diarrheal disease in Taiwan. *Sci Total Environ*. **2022**. 160850. doi: 10.1016/j.scitotenv.2022.160850. *Impact Factor: 8.2*

17. Li L, Li X, Asrar G, Zhou Y , Chen M, Zeng Y , Li X , Li F, Luo M, **Sapkota a**, Hao D. Detection and attribution of long-term and fine-scale changes in spring phenology over urban areas: A case study in New York State. International *Journal of Applied Earth Observations and Geoinformation.* **2022.** 110: 102815. https://doi.org/10.1016/j.jag.2022.102815. *Impact Factor: 7.6*

18. Malayil L, Ramachandran P, Chattopadhyay S, Allard SM, Bui A, Butron J, Callahan MT, Craddock HA, Murray R, East C, Sharma M, Kniel K, Micallef S, Hashem F, Gerba CP, Ravishankar S, Parveen S, May E, Handy E, Kulkarni P, Anderson-Coughlin B, Craighead S, Gartley S, Vanore A, Duncan R, Foust D, Haymaker J, Betancourt W, Zhu L, Mongodin EF, **Sapkota A**, Pop M, Sapkota AR. Variations in bacterial communities and antibiotic resistance genes across diverse recycled and surface water irrigation sources in the Mid-Atlantic and Southwest United States: A CONSERVE two-year field study. *Environ Sci Technol*. **2022.** 56(21):15019-15033. doi: 10.1021/acs.est.2c02281. *Impact Factor: 10.9*

19. Shrestha G, Chang CP, Pun CB, Gautam DK, Siwakoti B, **Sapkota A**, Hashibe M. Differences in risk factors for head and neck cancer among men and women in Nepal: A case-control study. *Cancer Epidemiol*. **2022.** 82:102319. doi: 10.1016/j.canep.2022.102319. *Impact Factor: 2.9.*

20. Remigio RV*, He H, Raimann J, Kotanko P, Usvyat L, Maddux FW, Sapkota AR, Liang XZ, Puett R, He X, **Sapkota A†**. Combined effects of air pollution and extreme heat events among ESKD patients within the Northeastern United States, *Sci Total Environ*. **2022;** 812:152481. doi: 10.1016/j.scitotenv.2021.152481. *Impact Factor: 8.2*

21. Dhimal M, Bhandari D, Karki KB, Shrestha SL, Khanal M, Shrestha RRP, Dahal S, Bista B, Ebi KL, Cissé G, **Sapkota A**, Groneberg DA. Effects of Climatic Factors on Diarrheal Diseases among Children below 5 Years of Age at National and Subnational Levels in Nepal: An Ecological Study. *Int J Environ Res Public Health.* **2022.** 18;19(10):6138. doi: 10.3390/ijerph19106138. *Impact Factor: 4.6*

22. Kim S, Paul M, Negahban-Azar M, Micallef SA, Rosenberg-Goldstein RA, Hashem F, Parveen S, **Sapkota A**, Kniel K, Sapkota AR, Pachepsky Y, Sharma M. Persistent spatial patterns of *Listeria monocytogenes* and *Salmonella enterica* concentrations in surface waters: Empirical orthogonal function analysis of data from Maryland. *Appl. Sci*. **2022.** 12, 7526. https://doi.org/10.3390/app12157526. *Impact Factor: 2.5*

23. Remigio RV*, Turpin R, Raimann JG, Kotanko P, Maddux FW, Sapkota AR, Liang XZ, Puett R, He X, **Sapkota A†**. Assessing proximate intermediates between ambient temperature, hospital admissions, and mortality in hemodialysis patients. *Environ Res*. **2021**;204(Pt B):112127. doi: 10.1016/j.envres.2021.112127. *Impact Factor: 7.7.*

24. Morgado ME, Jiang C*, Zambrana J*, Upperman CR*, Mitchell C, Boyle M, Sapkota AR, **Sapkota A†**. Climate change, extreme events, and increased risk of salmonellosis: foodborne diseases active surveillance network (FoodNet), 2004-2014. *Environ Health.* **2021**;20(1):105. doi: 10.1186/s12940-021-00787-y (2021). *Impact Factor: 6.7*

25. Li L*, Hao D, Li X, Chen M, Zhou Y, Jurgens D, Asrar G, **Sapkota A†**. Satellite-based phenology products and in-situ pollen dynamics: A comparative assessment. *Environ Res*. **2021;**204(Pt A):111937. doi: 10.1016/j.envres.2021.111937(2021). *Impact Factor: 7.7.*

26. Boyle MD, Kavi LK, Louis LM, Pool W, **Sapkota A,** Zhu L, Pollack AZ, Thomas S, Rule AM, Quirós-Alcalá L. Occupational Exposures to Phthalates among Black and Latina U.S. Hairdressers Serving an Ethnically Diverse Clientele: A Pilot Study. *Environ Sci Technol.* **2021**;55(12):8128-8138. doi: 10.1021/acs.est.1c00427 (2021). *Impact Factor: 10.9.*

27. Randell H**, Jiang C**, Liang XZ, Murtugudde R, **Sapkota A†**. Food insecurity and compound environmental shocks in Nepal: Implications for a changing climate. *World Development*. **2021;**;145:105511. doi: 10.1016/j.worlddev.2021.105511. *Impact Factor: 5.4***.**

28. Anderson-Coughlin B, Craighead S, Kelly A, Gartley S, Vanore A, Johnson G, Jiang C, Haymaker J, White C, Foust D, Duncan R, East C, Handy E, Bradshaw R, Murray R, Kulkarni P, Callahan M, Solaiman S, Betancourt W, Gerba C, Allard S, Parveen S, Hashem F, Micallef S, **Sapkota A**, Sapkota AR, Sharma M, and Kniel K. Enteric viruses and pepper mild mottle virus show significant correlation in select Mid-Atlantic agricultural waters. *Applied and Environmental Microbiology*. **2021**: AEM.00211-21. doi: 10.1128/AEM.00211-21. *Impact Factor: 3.9***.**

29. Nili S, Khanjani N, Jahani Y, Bakhtiari B , **Sapkota A**, Moradi G. The effect of climate variables on the incidence of cutaneous leishmaniasis in Isfahan, Central Iran. *International Journal of Biometeorology*. **2021**; 65(11):1787-1797. doi: 10.1007/s00484-021-02135-8 (2021). *Impact Factor: 3.0***.**

30. Allotey JA, Boyle M, **Sapkota A**, Zhu L, Peng RD, Garza MA, Quirós-Alcalá L. Determinants of phthalate exposure among a US-based group of Latino workers. *International Journal of Hygiene and Environmental Health*, **2021**;234:113739. doi: 10.1016/j.ijheh.2021.113739 (2021). *Impact Factor: 4.4***.**

31. Li L*, Jiang C, Murtugudde R, Liang XZ, **Sapkota A†**. Global population exposed to extreme events in the 150 most populated cities of the world: implications for public health*. IJERPH*, **2021**;18(3):1293. doi: 10.3390/ijerph18031293 (2021). *Impact Factor: 4.6.*

32. 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,* **2020;** 15 (12), 125015 (2020). *Impact Factor: 7.2.*

33. 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;** 110417. doi: 10.1016/j.envres.2020.110417. *Impact Factor: 7.7***.**

34. Zhu L**, Jiang C, Panthi S, Allard SM, Sapkota AR, **Sapkota A†**. Impact of high precipitation and temperature events on the distribution of emerging contaminants in surface water in the Mid-Atlantic, United States. *Sci Total Environ,* **2020**;755(Pt 2):142552. doi: 10.1016/j.scitotenv.2020.142552. *Impact Factor: 8.2***.**

35. 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**;86(20):e00342-20. doi: 10.1128/AEM.00342-20 (2020). *Impact Factor: 4.8***.**

36. **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,* **2020**;3(7):e207551. doi: 10.1001/jamanetworkopen.2020.7551. *Impact Factor: 13.8***.**

37. 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**; 147(3):866-875. doi: 10.1002/ijc.32823. Epub 2019 Dec 27. *Impact Factor: 6.4***.**

38. 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,* **2019** https://doi.org/10.1016/j.scitotenv.2019.134205. *Impact Factor: 8.2***.**

39. 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**; 2(8):e198904. doi: 10.1001/jamanetworkopen.2019.8904. *Impact Factor: 13.8***.**

40. 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*, **2019;** 9:311. doi: 10.3389/fonc.2019.00311. *Impact Factor: 4.7***.**

41. 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,* **2019;** 174:1-8. doi: 10.1016/j.envres.2019.04.011. *Impact Factor: 7.7***.**

42. 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,* **2019;** 170:122-127***. Impact Factor: 7.7*.**

43. 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*, **2019;** 172:301-309. *Impact Factor: 7.7***.**

44. 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,* **2019;** 124:153-160. *Impact Factor: 10.3.*

45. 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*, **2019;** 222:267-274. *Impact Factor: 12.7***.**

46. **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,* **2019** 14(3):e0212010. doi: 10.1371/journal.pone.0212010. **Impact Factor: 3.7.**

47. 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,* **2018;** 11(4):165-175. *Impact Factor 1.2.*

48. 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*, **2018;** pii: fetalneonatal-2016-311959. doi: 10.1136/archdischild-2016-311959. *Impact Factor 4.4.*

49. 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**;14(6). pii: E668. doi: 10.3390/ijerph14060668 (2017). *Impact Factor 4.6.*

50. 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,* **2017,** 3(6): 44-50 (2017).

51. 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*, **2017;** 12(4):e0174310. doi: 10.1371/journal.pone.0174310. eCollection (2017). *Impact Factor 2.9***.**

52. 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*, **2017;** 27(3):276-280. doi: 10.1038/jes.2016.83. *Impact Factor 4.9***.**

53. 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*, **2017;** 14;8(7):11739-11747. doi: 10.18632/oncotarget.14340. *Impact Factor 4.3***.**

54. 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*, **2017;** 580:550-555. doi: 10.1016/j.scitotenv.2016.11.211. *Impact Factor 8.2***.**

55. 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,* **2017;** 5(2):435-441. DOI: http://dx.doi.org/10.1016/j.jaip.2016.09.016. *Impact Factor 8.2***.**

56. 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*, **2016;** 149:216-221. *Impact Factor 7.7***.**

57. LaKind JS, Overpeck J, Breysse 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 4.9***.**

58. 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,* **2016;** 15(57):1-7. DOI: 10.1186/s12940-016-0142-z. *Impact Factor 6.7***.**

59. 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,* **2016**; 146:141-145. *Impact Factor 7.7***.**

60. 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,* **2016;** 151:27-37. *Impact factor 4.9***.**

61. 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**;11(1):e0145368. doi: 10.1371/journal.pone.0145368*. Impact Factor 2.9*.

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Under Review/Provisionally Accepted

101. Song H., Liang M., Sieck N., Lin H., Raimann J.R., Maddux F.W., Desai P., Ellicott E.A., He X., Nguyen Q., Liang X.Z., Kotanko P., Sapkota A. The 2023 Canadian Wildfires and Risk of Hospitalization and Mortality Among Hemodialysis Patients in the United States. *Kidney International Reports*.

102. Hao H., Canty T., Sapkota A., Boudreaux M., Dickerson RR. Analyzing Public Health Impacts of the 2023 Canada Wildfire Events in the Mid-Atlantic States: Integrating Air quality Modeling and Health Assessment. *Env. Research Lett*.

INVITED PRESENTATIONS

1. **Sapkota A.** Climate and Health Collaboration in Nepal. Connecting Diaspora for Healthcare Strengthening. Nepal Health Conclave 2.0. Kathmandu, Nepal. December 26-27, 2024.
2. **Sapkota A.** Climate change and chronic kidney diseases- Global to Local Context. Nepal Health Research Council, Kathmandu, Nepal. December 15th, 2024.
3. **Sapkota A.** Climate change, extreme weather events and chronic kidney diseases – how do we adapt? Hackensack Meridian School of Medicine, Nutley, NJ. April 18th, 2024.

4. **Sapkota A.** Climate change, extreme weather events and chronic diseases – how do we adapt? 64th ITM Colloquium, Kathmandu Nepal, 21-23 November, 2023.
5. **Sapkota A.** Climate Change and Occupational Health: Chronic Kidney Disease. Kathmandu University, Kathmandu, Nepal. March 8th, 2023.
6. **Sapkota A.** Early Warning System for Diarrheal Disease Burden in the Asia Pacific Region. Chung Yuan Christian University, Taiwan. November 29, 2023. Online.
7. **Sapkota A**. Climate Change and Chronic Kidney Disease. Universitas Airlangga (UNAIR). Surabaya, Indonesia, June 6th 2023. Online.
8. **Sapkota A**. Climate Change, Extreme Events and Health Burden – Ways Forward. Series: Impacts of Climate Change on Environmental Public Health. National Environmental Health Association. Online Seminar Wednesday, April 19, 2023
9. **Sapkota A.** Climate Change and Chronic Kidney Disease. Fresenius Medical Care Global Medical Office. June 7th, 2023.
10. **Sapkota A.** Climate Change and Health: Time to Act on Enhancing Community Resilience. SANGAM-2023-Conference on Health Systems Research & Innovation Past Reflections, Future Projections, VMCC IIT **Mumbai, India.** June 2-3, 2023.
11. **Sapkota A.** Extreme Weather Events and Impaired Health: Ways Forward. Climate and Health Symposia, University of Miami, **Miami FL**, May 6, 2022.
12. **Sapkota A.** Extreme Weather Events and Impaired Health: Ways Forward. Region 3 Federal Partners Climate Change and Health Equity Summit (Virtual). **Washington DC**. August 2, 2022
13. Sapkota A. Extreme Heat Events and Impaired Health: Ways Forward. Adaptation & Resiliency Working Group Meeting, Maryland Climate Commission (Virtual). **Baltimore MD**. May 11, 2022
14. **Sapkota A.** Climate Change, Extreme Events and Health Burden - Adaptation Needs Moving Forward. Climate Change and One Health Symposium. Academy of Scientific Research & Technology, **Cairo Egypt** (Virtual). June 9th, 2022
15. **Sapkota A.** Climate Change and Health: Vulnerability Informed Adaptation. Workshop on Operational Research on Climate Change and Health in Nepal. World Health Organization and Nepal Health Research Council. **Kathmandu, Nepal**, November 14, 2021.
16. **Sapkota A** (Panelist). Colliding disasters: Adapting to Increasing Climate and Health Risks. **COP26** Health Pavilion. **Glasgow, Scotland**. November 3, 2021.
17. **Sapkota A.** Early Warning System for Addressing Climate Change Driven Infectious Disease Burden. Asia Pacific Climate Service Workshop, **Taipei City, Taiwan**. October 22, 2021.
18. **Sapkota A.** Public Health Impacts of Climate Change –What Next? NASA Goddard Climate & Environmental Health Section. **Greenbelt MD.** September 27, 2021

19. **Sapkota A**. Global Threat – Local Impact: Maryland Perspectives on Climate Change and Health Leading into 2050: Building Resilience for Health, Climate & Biodiversity; Environmental Law Institute. **Washington DC.** April 27, 2021.
20. **Sapkota A.** Public Health Impacts of Climate Change – a Local Perspective. NASA Goddard Applied Sciences Seminar Series. **Greenbelt MD.** April 19, 2021.
21. **Sapkota A.** Responding to Climate Change: Threats and Opportunities That Lie Ahead. Keynote Speech, Nepali Academics in North America, Inaugural Conference, April 17, 2021.
22. **Sapkota A**. Climate Change, Pollen Exposure Dynamics and Burden of Allergic Disease in the Northeast United States. Virginia Clinicians for Climate Action, April 15, 2021.
23. **Sapkota A.** Climate Change, Pollen Exposure Dynamics and Burden of Allergic Disease in the Northeast United States. Sapkota A. National Oceanic and Atmospheric Administration (NOAA), April 14, 2021.
24. **Sapkota A.** Climate Change, Public Health, and the U.S. Supreme Court. Center for the Law and the Public's Health, Johns Hopkins Bloomberg School of Public Health. January 28, 2021.
25. **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.
26. **Sapkota A.** Climate Change, Extreme Events and Impaired Health: Maryland Perspectives. Pennsylvania Climate Change Advisory Committee. April 30th, 2020.
27. **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
28. **Sapkota A.** Too little or too much water - Implications for food security and infectious diseases in changing climate. Bahir Dar University, Ethiopia. May 2019.
29. **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
30. **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
31. **Sapkota A.** Climate Change, Extreme Weather Events, and Impaired Health: Who is Most Vulnerable? Tel Aviv University, Tel Aviv, Israel. Jan 4th, 2018.
32. **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.

33. **Sapkota A.** Climate Change, Extreme Events, and Impaired Health: Maryland Perspectives. Health in All Policy Act, Workgroup Meeting. Adelphi MD, Sept 27, 2017.
34. **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.
35. **Sapkota A.** Household Air Pollution and Lung Cancer Risk in Nepal. Embassy of the United States, Kathmandu, Nepal, June 12, 2017.
36. **Sapkota A.** Climate Change and Public Health: The Need for Community-Specific Adaptation Strategies. Sun Yat-Sen University, Guangzhou, China, May 25th, 2017.
37. **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.
38. **Sapkota A.** Climate Change, Extreme Events and Impaired Health: Local to National Perspectives. National Center for Health Statistics, Hyattsville, MD. June 29th, 2016.
39. **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
40. **Sapkota A**. Extreme Heat Events, Change in Phenology and Hay Fever. Invited Presentation. 2015 National Conference on Health Statistics, Bethesda MD. August 26th, 2015.
41. **Sapkota A**. Remote Sensing and Urban Health. Remote Sensing Integrated Assessment Modeling. Aspen Global Change Institute, Aspen CO. October 13th, 2015.
42. **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.
43. 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
44. **Sapkota A**. Extreme Temperature Events and Risk of MI in Maryland. Department of Health and Mental Hygiene, Baltimore, MD. February 23, 2015.
45. **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.

46. **Sapkota A**. Climate Change, Extreme Events and Salmonellosis – Are Coastal Area Truly Vulnerable? Department of Health and Mental Hygiene, Baltimore, MD. September 22, 2014
47. **Sapkota A**. Air Pollution and Respiratory Health. International Workshop on Urban and Regional Air Quality Shanghai, China. October 18, 2013
48. **Sapkota A**. Household Air Pollution and Burden of Disease. Council on Environment, Inaugural Junior Faculty Award Lecture. College Park, MD September 11, 2013.
49. **Sapkota A**. Exposure to Traffic Related Air Pollutants and Respiratory Health Outcomes. Environmental Justice and Environmental Health Disparities Symposium, College Park, MD, 2012.
50. **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.
51. **Sapkota A**. Air Pollutants in Our Environment: From Sources to Health Effects. Smithsonian Resident Associate Program. Washington DC, March 5th, 2011.
52. **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.
53. **Sapkota A.** Indoor air pollution and cancer risk in low income countries. B.P. Koirala Memorial Cancer Hospital, Bharatpur, Chitwan Nepal. April 2009.
54. **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.
55. **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.
56. **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.
57. **Sapkota A**. Traffic Related Exposure to 1,3-Butadiene. Occupational and Environmental Epidemiology Branch, National Cancer Institute. July 14, 2006.
58. **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.

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1. Song H, Liang M, Sieck N, Huang L, Raimann J, Maddux FW, Desai Priya D, Ellicott EA, He, Nquyen Q, Liang X, Kotanko P, **Sapkota A**. Canadian Wildfires of 2023: Risk of Mortality and Hospitalization in Hemodialysis Patients in the U.S. Kidney Week 2024, San Diego 2024.
2. Dalhoff J, Liang M, **Sapkota A**. The Impact of Extreme Heat Events on Occupational Heat-related Illness. 36th Annual Conference of the International Society for Environmental Epidemiology. Santiago, Chile, August 2024.
3. Maldarelli M, Song H, Situt M, Reilly C, Mahurkar AA, Felix V, Ellicott E, Jurczak M, Crabtree J, Gumel A, D'Souza W, **Sapkota A**., Maron BA. The Association Between Canadian Wildfire Smoke Infiltration and Statewide Cardiopulmonary Clinical Encounters in Maryland. American Thoracic Society, May 2024.
4. **Sapkota A**, Wang YC, Gao C. AWARD-APR: Addressing Extreme Weather Related Diarrheal Disease Risks in the Asia Pacific Region. Sustainability Research & Innovation (SRI) Congress, Panama City, June 2023 online.
5. **Sapkota A**, Wang YC, Gao C. Early Warning System for Diarrheal Disease Burden in the Asia Pacific Region. ISEE 2023, Kaohsiung, Taiwan.
6. Song, H., Sieck, N.E., Raimann, J., Kotanko, P., Maddux, F.W., He, H., Ellicott, E.A. and **Sapkota, A**., 2023, September. Impact of Extreme Heat Event and Wildfire-Related PM2.5 Exposure on the Risk of Hospitalization and Mortality among Hemodialysis Patients. ISEE 2023, Kaohsiung, Taiwan
7. Song, H., Sieck, N.E., Raimann, J., Kotanko, P., Maddux, F.W., He, H., Ellicott, E.A. and **Sapkota, A.,** 2023, November. Exposure to Wildfire-Related Particulate Matter and Risk of Hospitalization and Mortality among Hemodialysis Patients. American Society of Nephrology Kidney Week 2023. Philadelphia, PA
8. Sharma, A., Andhikaputra, G., Gao, C., He, H., Wang, Y.C. and **Sapkota, A.,** 2023, September. The effects of extreme weather events and seasonal fluctuations on diarrhea prevalence in the Asia-Pacific region. ISEE 2023, Kaohsiung, Taiwan
9. Andhikaputra, G., **Sapkota, A**., Lin, Y.K., Chan, T.C., Gao, C., Deng, L.W. and Wang, Y.C., 2023, September. Examining the effects of temperature and precipitation on all-infectious-, bacterial-, and viral-diarrheal among under five-year populations in Taiwan. ISEE 2023, Kaohsiung, Taiwan
10. Sieck NE, Song H, Raimann JG, Kotanko P, Maddux FW, He H & **Sapkota A**. (2023, Nov. 3) Risk of hospitalization and mortality following extreme heat events in patients undergoing in-center hemodialysis in the Western United States. Kidney Week 2023 Annual Meeting of the American Society of Nephrology. Philadelphia, PA.
11. Sieck NE, Song H, He H, Maddux FW, Raimann JG, Kotanko P & **Sapkota A.** (2023, Sep. 19). Extreme heat exposure and risk of hospitalization and mortality in hemodialysis patients in the conterminous United States. International Society for Environmental Epidemiology 2023 Annual Meeting. Kaohsiung, Taiwan.

12. Song H, Remigio R, Kotanko P Raimann J, Kotanko P, Maddux F, **Sapkota A.** Inclement Weather and Risk of Missing Scheduled Hemodialysis Appointments. 34th Annual Conference of the International Society for Environmental Epidemiology (ISEE). Athens, Greece, September 18-21, 2022
13. **Sapkota A,** Wang YC, Gao C. Co-design a Climate based Early Warning Systems for Addressing Diarrhea in Southeast Asia and Pacific Region. Sustainability Research & Innovation Congress 2022, Online and onsite in Pretoria, South Africa, 20-24 June 2022
14. **Sapkota A,** Li L, Song H, Zhou Y, Asrar G. Changes in Timing of Spring Onset, Pollen Exposure, and Burden of Allergic Disease in the Northeastern United States. 33rd Annual Conference of the International Society for Environmental Epidemiology (ISEE). New York City, August 23-26, 2021.
15. Zhou Y, Li X, Asrar G, **Sapkota A.** Recent advancements in the use of remote sensing observations to inform ground level pollen dynamics. 33rd Annual Conference of the International Society for Environmental Epidemiology (ISEE). New York City, August 23-26, 2021.
16. Richard RV, Turpin R, He H, Raimann J, Kotanko P, Maddux F, Sapkota AR, Liang XZ, Puett R, He X, **Sapkota A.** Investigating the role of clinical measures before dialysis treatment as mediators in the association between ambient temperature and mortality/hospital admissions. 33rd Annual Conference of the International Society for Environmental Epidemiology (ISEE). New York City, August 23-26, 2021.
17. Richard RV, He H, Raimann J, Kotanko P, Maddux F, Sapkota AR, Liang XZ, Puett R, He X, **Sapkota A.** Cumulative joint effects of air pollution and extreme heat events among hemodialysis patients. 33rd Annual Conference of the International Society for Environmental Epidemiology (ISEE). New York City, August 23-26, 2021.
18. **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.
19. 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
20. 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.
21. 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.

22. 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.
23. 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.
24. **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.
25. Quirós-Alcalá L, Boyle M, , Zhu L, **Sapkota A**, Rule AM, Kavi L£, 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.

31. 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.

32. 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.

33. 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.

34. 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.

35. 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.

36. 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.

37. 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.

38. 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.

39. 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.

40. 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.
41. Fisher JA, Jiang C**, Upperman C*, Mitchell C, Murtugudde R, Puett R, **Sapkota A.** Extreme heat in summer and acute myocardial infraction hospitalizations in Maryland. 27th Conference of the International Society for Environmental Epidemiology (ISEE). Sao Paolo, Brazil. August 30-September 3, 2015.
42. 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 Paolo, Brazil. August 30-September 3, 2015.
43. 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 Paolo, Brazil. August 30-September 3, 2015.
44. 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.
45. 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.
46. 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.
47. 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
48. Romeo, C.*, Murtugudde R., Parker, JD., **Sapkota, A**. Exposure to an Aggregate Climate Change Metric and Respiratory Health Outcomes in the Continental US. Joint ISEE/ISES and ISIAQ Conference, Basal, Switzerland. August 19-23, 2013
49. 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, Basal, Switzerland. August 19-23, 2013.
50. 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.

51. 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.
52. 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.
53. 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.
54. 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
55. 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
56. 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
57. 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
58. 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
59. 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
60. 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.
61. 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.

62. 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.
63. 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.
64. 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.
65. 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.
66. 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.
67. **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.
68. 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.
69. 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)
70. 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.
71. **Sapkota A.**, Hashibe M., Dikshit R., Jetty D.H., Chattopadhay 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
72. Williams D, **Sapkota A**., Geyh A, Hume E, Barnum B., Oxendrider J., Cahill C., and Breysse 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.

73. **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.
74. 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.
75. **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.
76. **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.
77. **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.
78. **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.

NON-REFEREED PRESENTATIONS

1. **Sapkota A.** Exposure Assessment and Environmental Epidemiology Workshop. Dulikhel Hospital, Kathmandu, Nepal. July 7-8, 2023
2. Panthi S, Sapkota AR, Turner P, Nguyen Q, **Sapkota A**. Evaluating the effectiveness of advance wastewater treatment plant in removing per- and polyfluoroalkyl substances (PFAS): a case study from Westminster, Maryland. Maryland Public Health Research Day. College Park, MD. 2022.
3. Remigio RV, Song H, Raimann J, Kotanko P, **Sapkota A**. Inclement Weather and Risk of Missing Scheduled Hemodialysis Appointments. Maryland Public Health Research Day. College Park, MD. 2022.
4. **Sapkota A**. Climate Change and Health: A Local Perspective. Baylor University Student PreMed Student Organization. October 26, 2021.

5. **Sapkota A**. Human Health Impact of Climate Change: Maryland Perspective. Climate Emergency Mobilization Workgroup, Fredrick County MD. April 8th, 2021.
6. **Sapkota A.** Climate Change, Extreme Events, and Impaired Health: Maryland Perspectives. Maryland Association of Counties, Annual Conference. Ocean City, MD. August 15th, 2019
7. 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.
8. 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.
9. 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.
10. **Sapkota A.** Climate Change, Extreme Events, and Impaired Health: Maryland Perspectives. Southern High School, MD, Nov 27th, 2017.
11. **Sapkota A.** Climate Change, Alteration in Plant Phenology, and Allergic Diseases. Maryland Public Health Association Annual Meeting, College Park, Oct 7th, 2017.
12. **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
13. 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.
14. **Sapkota A.** Climate Change and Human Health: Local and National Perspectives. Maryland Climate Coalition, Climate Stewards of Greater Annapolis. Annapolis, MD, March 17th 2016.
15. **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.
16. Mitchell C, **Sapkota A**. Maryland Public Health Strategy for Climate Change. Public Health Research at Maryland Day, College Park, MD, April 9, 2015.

17. **Sapkota, A**., Climate Change, Extreme Temperature Events and Chronic Diseases, Public Health Research at Maryland Day, College Park, MD, 2015.
18. 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
19. 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
20. **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.
21. 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
22. 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
23. 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
24. 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.
25. 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.
26. **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
27. **Sapkota A**. Air Pollution and Respiratory Health. Johns Hopkins School of Advanced International Studies. Washington DC. September 29, 2011.
28. 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.
29. 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.

30. 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.
31. 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 InteractionDay. College Park, MD. September 2009.
32. **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.

FUNDING

Ongoing:

1R01HS029890-01A1 (AHRQ) Sapkota, A (PI) 09/2024-8/2029
Climate change, forest fires, and patients with end-stage kidney disease: A national scale vulnerability assessment
The overall goal of this project is to investigate how climate change related extreme heat events and wildfires are impacting individuals living with end stage kidney disease (ESKD) and how this risk varies across geographic and demographic factors.
Role: Principal Investigator

R01ES033963 (NIEHS) Boudreaux, M (PI) 03/2023-02/2028
Wildfire and Infant Health
The overall goal of this project to link climate change driven extreme heat events and air pollution from wild fires to risk of adverse birth outcomes in the Contiguous United States.
Role: Co-I

NIOSH Gurumurthy, R. (PI) 09/2021-08/2026
Program on Occupational Health and Safety Education on Emerging Technologies - Mid Atlantic Partnership.
The goal of this project is to develop multi-institutional occupational health training program.
Role: Site PI

NSF* Sapkota, A (PI) 04/2025-03/2028

Belmont Forum Collaborative Research: Awareness Against Health ThReats of Climate ChangE (AWARE)
Role: Consortium PI
*****Funding thus far approved for UK, South Africa, Taiwan, Indonesia, and India. Awaiting final NSF approval for US, Nepal, and Vietnam funding.

Pending:

NIEHS Huang and Sapkota (Co-PI) 10/2025-09/2027
Wildfires, Extreme Heat, and Kidney Disease: An AI-Driven Approach to Risk Quantification and Prediction
Role: Co-PI

NSF Sapkota, Amy (PI) 10/2025-09/2027
IGE: Track 1: Beyond the Food-Energy-Water (FEW) Nexus: Extending an Interdisciplinary, Experiential FEW-Focused Graduate Training Program to a Second Track in Planetary Health
Role: Co- Investigator

Completed:

FAIN2025470 (NSF/Belmont Forum) Sapkota, Amir (PI) 07/2020-6/2023
AWARD-APR: Addressing Extreme Weather Related Diarrheal Disease Risks in the Asia Pacific Region.
The goal of this Multinational Consortium is to develop a regional early warning system with sub-seasonal outlook to minimize diarrheal disease burden related to extreme weather events in the Asia Pacific Region.
Role: Principal Investigator.

NIEHS/NSF Huq, Anwar (PI) 07/2018-06/2023
Effects of Climate Change on Prevalence and Environmental Niches of Clinically Important Vibrios in the Chesapeake Bay
The goal of this project is to characterize potential exposure pathways to clinically relevant vibrios in the Chesapeake Bay and how they are influenced by extreme weather events.
Role: Co-I.

NSF Sapkota, Amy (PI) 08/2018-07/2023
*University of Maryland (UMD) Global STEWARDS (**S**TEM **T**raining at the Nexus of **E**nergy, **WA**ter Reuse and Foo**D** **S**ystems)*
The goal of this proposed NSF NRT training grant is to establish an interdisciplinary, experiential graduate education model focused on innovations at the nexus of energy, water reuse and food systems.
Role: Co-PI

City of Westminister Davis, A (PI) 05/2021-04/2022
Water Quality Evaluation of Pilot Project Wastewater Potable Reuse

The objective of this project is to evaluate the effectiveness of advanced water treatment technology to remove chemical and biological contaminants from water supplies.
Role: Co-I

CDC Mitchell, C (PI) 03/2012-09/2021
Maryland Climate and Health Project.
The overall goal of this project is to conduct vulnerability assessment regarding impact of climate change on health of Marylanders using BRACE framework.
Role: **Site PI**

USDA (Award #2016-68007-25064) Sapkota, AR (PI) 03/2016-03/2020
CONSERVE: A Center of Excellence at the Nexus of Sustainable Water Reuse, Food and Health
Role: **Laboratory Core Director and Co-Project Director**

U.S. Department of State Sapkota, A (PI) 01/2017-06/2017
Fulbright Senior Researcher Scholarship, Nepal. A Joint Collaboration To Address Household Air Pollution and Lung Cancer Risk in Nepal
Role: **Principal Investigator**

UMD Council on Environment Yaros, R (PI) 08/2015-07/2017
ScienceBEAT: An Innovative Educational Partnership to Increase Understanding of Climate Change.
Role: **Co-Investigator**.

1R21ES021422-01A1 (NIEHS) Sapkota, A (PI) 05/2013-04/2016
National Scale Assessment of the Impact of Climate Change on Asthma Morbidity
Role: **Principal Investigator**

IARPA Milton, D (PI) 02/2015-01/2017
Testable Exosome Signatures of Influenza Threats
Role**: Co-Investigator**

Maryland Department of Health Milton, D (PI) 08/2013-05/2014
Marcellus Shale Public Health Report
Role: **Co-Investigator**

1-R03-OH009598-01 (NIOSH) Sapkota, AR(PI) 06/2009-02/2012
Spray irrigation workers' exposures to antibiotic-resistant bacteria and antimicrobials from reclaimed wastewater."
Role: **Co-Investigator**

UMD-ADVANCE Gilmore, E(PI) 04/2013-03/2014
Quantifying human health effects from climate change in an integrated assessment model
Role: **Co-Investigator**

NCHS Sapkota, A(PI) 10/2009-09/2010
Linkage of Meteorological Data with NHIS Respondents for Research on Climate Change and Respiratory Health Outcomes
Role: **Principal Investigator**

IARC Sapkota and Hashibe 01/2009-12/2010
Environmental Risk Factors of Lung Cancer in Low to Middle Income Countries
Role: **Co-Principal Investigator**

USA-Today Sapkota, A(PI) 06/2008-09/2009
Investigation of Air Quality Around Public Schools
Role**: Principal Investigator**

JHU-NIOSH-ERC Sapkota, A(PI) 07/2009-06/2010
Occupational Exposure of Bus Drivers to Volatile Organic Compounds and Particulate Matter
Role**: Principal Investigator** (ERC pilot project)

JHU-NIOSH-ERC Buckley, T(PI) 08/2000-08/2003
Mobile Source Effect on Ambient Concentration of Hazardous Air Pollutants
Role: **Student PI**

JHU-Risk Sci & Public Policy Inst. Sapkota, A(PI) 08/2002-07/2003
Exposure to Mobile Source Related Air Pollutants among Inner City Baltimore Residents.
Role: **Principal Investigator** (Pilot project)

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 the Environment, Outstanding 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
13. Honoree, Maryland Research Excellence Celebration, University of Maryland College Park, May 2025.

EDITORIAL BOARDS:

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

Fall 2012	EPIB899	Doctoral DissertationResearch	1 Student	6 credits
	MEES898	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 Read. 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 Toxicoloty	1 Student	3 credits
	MIEH771	Exposure Assessment	8 Students	3 credits
Summer 2013	MIEH600	Foundations of Env. Health	11 Students	3 credits
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
Fall 2018	MIEH400	Introduction to Global Health	123 students	3 credits

Spring 2019	MIEH400	Introduction to Global Health	106 students	3 credits
	MIEH771	Exposure Assessments	3 students	3 credits
Summer 2019	MIEH400	Introduction to Global Health	56 students	3 credits
Fall 2019	MIEH400	Introduction to Global Health	133 students	3 credits
Winter 2020	MIEH400	Introduction to Global Health	23 students	3 credits
Spring 2020	MIEH400	Introduction to Global Health	112 students	3 credits
	MIEH771	Exposure Assessment	5 students	3 credits
Summer 2020	MIEH400	Introduction to Global Health	45 students	3 credits
Fall 2020	MIEH400	Introduction to Global Health	138 students	3 credits
Winter 2021	MIEH400	Introduction to Global Health	31 students	3 credits
Spring 2021	MIEH400	Introduction to Global Health	120 students	3 credits
	PHSC426	Climate Change and Health	19n students	3 credits
Fall 2021	MIEH400	Introduction to Global Health	143 students	3 credits

COURSE OR CIRRICULUM DEVELOPMENT

Overall — I was 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 played a major role in the curriculum development for the MPH and PhD programs 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.

PHSC426 Climate Change and Health
Role: Developed a new course on climate change and health and offered it for the Spring 2021 semester.

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- Fall 2018, Major in Public Health Science.
Shifali Mathews	Fall 2019 – Spring 2020. 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: *Terrorism, Civil War, One-Sided Violence and Global Burden of Disease*.

- Pre-doctoral National Research Service Award (NRSA) Fellowship, National Institutes of Health, 1-F31 DA025377-01. 2013.
- Currently Epidemiologist at National Institutes of Health.

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.

Richard Remigio

Fall 2017 – Spring 2021.

- Recipient of NIH R36 Dissertation Award from Agency for Healthcare Research and Quality (AHRQ)
- 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.

Suraj Panti

Fall 2016 – present.

- Dean's Fellowship 2017
- Dean's Fellowship 2018
- Global STWEARDS fellow 2019.

Hyeonjin Song

Fall 2019-Spring 2024. Dissertation Title: *"Climate Change-Related Extreme Events and Adverse Health Outcomes Among Hemodialysis Patients"*

Jeff Dalhoff

Spring 2020 – Present

Nicole Sieck

Fall 2021 – Present

Samyam Aryal	Fall 2023 – Present
Gerry Andhikaputra	Fall 2024 - 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: *Cross sectional evaluation of potential Volatile Organic Compound exposures around Schools**. 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-Spring2012. Thesis titled: *Influence of weekdays weekends, bandhas and weather conditions on particulate matter concentrations in the Kathmandu Valley Nepal**. Currently Senior Environmental & Technical Specialist at COGENCY.
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Job Sterling	Fall 2010-Spring 2012. Capstone project titled: *Indoor/outdoor volatile organic compound concentrations in the inner city Washington DC – A comparative analysis.* Currently working at Habitat for Humanity.
Greg Raspanti	Fall 2010-Spring 2012. Thesis titled: *Environmental Impacts on Fecal Indicator Bacteria in 5 National Parks**. Currently employed as a research scientist at the New Jersey Department of Environmental Protection.
Cynthia Bashore	Fall 2010 –Summer 2012. Thesis titled: *Maternal mercury exposure, season of conception and adverse birth outcomes in an urban immigrant community in New York City**. 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: *Containment testing of compressed gas cylinders within chemical fume hoods – are lecture bottles safe?* Currently employed at Indian Health Services.
Hsin Chieh Wu	Fall 2011-Spring 2013. Thesis Titled: *Climate Change, pollen levels and emergency department Visits for asthma in Maryland**. Currently employed at the Maryland Department of Health and Mental Hygiene.
Rebecca Braun	Fall 2010-Spring 2013. Thesis title: *Alcohol exposure in preterm infants in neonatal isolettes**. Currently employed at Booze Allen Hamilton.
Gil Gabby	Fall 2014-Spring 2016. Capstone project title: *An Inhalation Exposure Profile Comparison of Paint Products Used at the University of Maryland, College Park Campus.*

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*).
Shifali Mathews	Fall 2020-Fall 2021 (BS+MPH). Capstone project title: *Climate Change and Health Recommendations for Frederick, Maryland: Findings from the Health, Extreme Weather Adaptation, and Resilience Subgroup*
Lucy Aistis	Fall 2019-Fall 2021. Capstone project title: *Evaluation of phenology metrics to reduce asthma hospitalization in New York: A comparison of remote-sensing satellite, aerobiology, and in-situ observations*

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 *Maryland Comprehensive Cancer Control Plan.* 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 Organohalogens 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 *Toxicological Profile for 1,3-Butadiene*. 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. 7th 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.
2015-2018 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.
2022 Reviewer, NTP Report on Carcinogens: Woodsmoke.

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
2021 Reviewer of APT package, University of Alberta
2023 Reviewer of APT package, University of Alabama
2024 Reviewer of APT package, University of Indiana

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 *Ad hoc* Member, National Institute of Occupational Safety and Health (NIOSH) Review Panel
2019-2023 Permanent member, National Institute of Occupational Safety and Health (NIOSH) Review Panel
2022 *Ad hoc* Member, Research Coordinating Center to Support Climate Change and Health Community of Practice
2023 Reviewer, Green Transition for Industrial Cities, Taiwan
2024 *Ad hoc* Member, Agency for Healthcare Research and Quality (AHRQ) 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.
2016-2022	Director, EXPOSOME Small Molecule Core Facility, University of Maryland College Park.

2014-2020	Member, University of Maryland Radiation Safety Committee
2018-2018	Chair, Research Committee, University of Maryland School of Public Health.
2020-2022	APT Committee, School of Public Health.
2020-2022	Research Council
2021	Chair, EPIB APT Sub-Committee
2021	Chair, FMSC APT Sub-Committee
2022	Chair of Search Committee: Behavior and Community Health Department Chair search.
2022	Member, UMD President's Climate Workgroup
2024	Chair of Search Committee: Clark Leadership Chair search, Department of Global Occupational and Environmental Health.