

AMINATA PETER KILUNGO

CURRICULUM VITAE

The University of Arizona, Mel and Enid Zuckerman College of Public Health

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EDUCATION

- Ph.D. **Soil, Water and Environmental Science**, minor in **Microbiology**, College of Agriculture and Life Sciences. The University of Arizona. 2013.
Dissertation Title: Water Quality Monitoring
- B.Sc. Environmental Science, College of Agriculture and Life Sciences. The University of Arizona. 2008.

EMPLOYMENT

- 2019 - Present Assistant Professor, Health Promotion and Environmental Health Sciences, Mel and Enid Zuckerman College of Public Health, The University of Arizona, Tucson, AZ.
- 2018 - Present Program Director, Environmental Health Sciences, Mel and Enid Zuckerman College of Public Health, The University of Arizona, Tucson, AZ.
- 2017 - 2019 Lecturer, Health Promotion and Environmental Health Sciences, Mel and Enid Zuckerman College of Public Health, The University of Arizona, Tucson, AZ.
- 2015 - 2017 Director of Research and Development, Sonora Environmental Research Institute, Inc., Tucson, AZ.
- 2014 - 2015 Lead Environmental Scientist Contractor, Xcel Engineering at US Army Garrison, Fort Huachuca, The Environmental and Natural Resources Division, Sierra Vista, AZ.
- 2010 - 2014 Program Manager, Sonora Environmental Research Institute, Inc., Tucson, Arizona.
- 2010 - 2013 Graduate Research Associate, Soil, Water and Environmental Science, The University of Arizona, Tucson, AZ.
- 2006 - 2008 Research Associate, Sonora Environmental Research Institute, Inc., Tucson, AZ.

HONORS AND AWARDS

- 2017 Dean's Annual Fund, Mel and Enid Zuckerman College of Public Health, The University of Arizona

- 2011-2012 National Science Foundation (NSF) Biomolecules to Ecosystem (BioMe) Fellow
- 2011 - 2012 Alfred P. Sloan Foundation, National Action Council for Minorities in Engineering Scholarship
- 2010 - 2011 Graduate Diversity Award, The University of Arizona

SERVICE/OUTREACH

Local/State/National Outreach

National/International

- 2020 - Present Future of Environmental Health Training Committee, the University of Kentucky
- 2016 - Present National Advisor, National Advisory Committee (NAC), U.S Environmental Protection Agency (U.S EPA), Washington, DC.
- 2016 - 2019 Stakeholder Advisory Committee, Urban Water and Innovation Network (UWIN)
- 2016 Grand Judge, the 2016 Intel International Science and Engineering Fair (Intel ISEF), a program of Society for Science & the Public (SSP). May 8-13, 2016. Phoenix, Arizona.

Department Committees

- 2019 - 2020 Faculty Annual Performance Review (APR) , Community Environment and Policy, Mel and Enid Zuckerman College of Public Health, the University of Arizona.
- 2018 Faculty Search Committee, Sexual Minority Population Health, Mel and Enid Zuckerman College of Public Health, the University of Arizona.
- 2018 Faculty Search Committee, Global Health Faculty Search, Mel and Enid Zuckerman College of Public Health, the University of Arizona.

College Committees

- 2018 - Present Education Committee, Mel and Enid Zuckerman College of Public Health, the University of Arizona.
- 2018 - Present Faculty member One Health Committee, Mel and Enid Zuckerman College of Public Health, the University of Arizona.
- 2018 - 2020 Scholarship Committee, Mel and Enid Zuckerman College of Public Health, the University of Arizona.
- 2018 - 2020 Self-Study committee, Mel and Enid Zuckerman College of Public Health, the University of Arizona.

University

- 2018 - Present Directors of Graduate Studies, the University of Arizona
- 2017 - 2018 Coordinator, Transportation Research Institute (TRI), the University of Arizona.
- 2017 Facilitator, Pandemic Interprofessional Emergency Preparedness and Response Exercise, the University of Arizona

Journal Peer Reviewer

- 2020 PLOS One
- 2018 PLOS Neglected Tropical Diseases

Professional Memberships

- 2020 - Present National Environmental Health Associations
- 2020 - Present American Society for Microbiology
- 2016 America Association for Advancement of Science

PUBLICATIONS

Peer-Reviewed

1. Chebet, J.J., **Kilungo, A.**, Alaofè, H., Malebo, H., Katani, S., Nichter. (2020) M. Local Perceptions, Cultural Beliefs, Practices and Changing Perspectives of Handling Infant Feces: A Case Study in a Rural Geita District, North-Western Tanzania. *Int. J. Environ. Res. Public Health*, 17, 3084.
2. Ramirez-Andreotta MD, Abrell L, **Kilungo A**, McLain JET, Root R. (2019). Partnering for Action: Community monitoring of harvested rainwater in underserved, rural, and urban Arizona communities. *Water Resources IMPACT*. 21(2) 12-15.
3. Linda S. Powers, Heather D. Smith, **Aminata P Kilungo**, Walter R. Ellis, Christopher McKay, Rosalba Bonnaccorsi, Janet Roveda (2018). In Situ Real-Time Quantification of Microbial Communities: Applications to Cold and Dry Volcanic Habitats. *Global Ecology and Conservation*
4. Leona F. Davis, Mónica D. Ramírez-Andreotta, Jean E McLain, **Aminata Kilungo**, Leif Aubrell, Sanlyn Buxner (2018). Increasing Environmental Health Literacy through Contextual Learning in Communities at Risk. *Int J Environ Res Public Health*, 15(10)2203
5. **Kilungo A**, Powers L, Arnold N, Whelan K, Paterson K, Young D. (2018) Evaluation of Well Designs to Improve Access to Safe and Clean Water in Rural Tanzania. *Int J Environ Res Public Health*. 15(1), 64.
6. Shana Sandhaus, MS, Mónica D. Ramírez-Andreotta, PhD, **Aminata Kilungo, PhD**, Ann Marie Wolf, MS, Flor Sandoval, BS, Palmira Henriquez (2018) Combating Climate Injustices: An Informal Science and Popular Education Approach to Addressing Environmental Health Disparities. *Pedagogy in Health Promotion*.

7. Moreno Ramírez, D., Ramírez-Andreotta, M. D., Veá, L., Estrella-Sánchez, R., Wolf, A. M. A., **Kilungo, A.**, Betterton, E. A. (2015). Pollution Prevention through Peer Education: A Community Health Worker and Small and Home-Based Business Initiative on the Arizona-Sonora Border. *Int J Environ Res Public Health*, 12(9), 11209–11226.
 8. **Kilungo AP**, Carlton-Carew N, Powers LS (2013) Continuous Real-time Detection of Microbial Contaminants in Drinking Water using Intrinsic Fluorescence. *J. Biosens Bioelectron* S12:002.
 9. Mónica D. Ramírez-Andreotta, Jean E McLain, **Aminata Kilungo**, Leif Aubrell, Robert Root (2019). Partnering for Action: Community Monitoring of Harvested Rainwater in Underserved Communities, Rural and Urban Arizona Communities (accepted, *Journal of Water Resources Impacts*)
- Technical reports**
10. **Aminata Kilungo**, Marco Gallegos, Ann Marie Wolf, Paloma Beamer and Rietta Wagoner. Evaluation of the Environmental Health Status along the Arizona-Sonora Border. *U.S Environmental Protection Agency (U.S EPA)*, 2017.
 11. **Aminata Kilungo**. Fort Huachuca Garrison Environmental Management Systems (EMS). *U.S Army, Fort Huachuca*, 2015.
 12. **Aminata Kilungo**. Fort Huachuca Garrison Pollution Prevention (P2) Plan. *U.S Army, Fort Huachuca*, 2015.

WORK IN PROGRESS

Refereed Journal Articles (submitted or in preparation)

1. Moses, A., McLain, J., **Kilungo, A.**, Root, R., Abrell, L., Buxner, S., Ramirez-Andreotta, M. Filling the Gap: The Socio-demographic Factors that Influence Environmental Perception, Infrastructures, and Gardening Trends (prepared for *International Journal of Environmental Research and Public Health*).
2. Moses, A., McLain, J., Bobergh, V., Rutin, E., Ramirez-Andreotta, **Kilungo, A.** The Efficacy of Hydrogen sulfide (H₂S) Tests for Detecting Microbial Contamination in Harvested Rainwater Samples (prepared for the *Journal of Water, Sanitation and Hygiene (WASH) for Development*)
3. Moses, A., McLain, J., E., Ramirez-Andreotta, **Kilungo, A.** Every Last Drop: An Exploration of Rainwater harvesting Trends and Microbial Indicator Organisms Presence in Harvested Rainwater and Garden Soils in Arizona.
4. **Kilungo, A.**, Chebet, J.J., Alaofél, H., Malebo, H., Katani, S. WASH status and Health in Geita, Rural Tanzania.
5. **Kilungo, A.**, Samarasinha, R., Wrona, J. Challenges and barriers to improving access to safe and clean water in rural Tanzania, post Millenium Development Goals (MDGs).

6. **Aminata Kilungo** & Rowena Davis. Tools to evaluate Water, Sanitation and Hygiene to inform decision making and implementation, Dar es Salaam, Tanzania.

Grants and Contracts (submitted or in preparation)

1. Potential environmental sources of *H. pylori* in vulnerable communities along the Arizona-Sonora Border region. Hispanic Serving Institutions (HIS), University of Arizona (in preparation)
2. *Principal Investigator*. The role of the environment, underlying health conditions, and COVID-19 health outcomes in marginalized population along the Arizona-Sonora Border. Robert Wood Johnson (RWJ) \$324,000 (submitted).
3. *Co-Principal Investigator*. Building Community Resilience to Environmental Changes in Arizona Communities Private Wells. United States Environmental Protection Agency (US EPA) (\$317,911.65) 2020-2022 (not funded).
4. *Co-Principal Investigator*. Pilot Study: Water, Environment and Health Assessment to Identify Gaps and Needs to Improve Health Along the Arizona-Sonora Border communities. Alfred P. Sloan Foundation (\$10,000) 2020-2021 (not funded).
5. *Co-Principal Investigator*. Animals or the Environment? Establishing Risk Factors, Sources and Transmission Pathways of Campylobacter using Genomic Epidemiology in Rural Tanzania. Bill and Melinda Gates Foundation (\$905,530.56) 2018-2020 (not funded).
6. *Co-Principal Investigator*. Pilot Study - Cost-effective and Rapid Testing for Detection of Vibrio cholerae for Future Development of an Early Warning System in Tanzania. UA International Research & Academic Program Development (IRPD) Grants (\$ 50,000) 2018-2019 (not funded).
7. *Co-Principal Investigator*. A Holistic Approach to Sustainability of Soil Health in Arid Agriculture. AFRI Sustainable Agriculture Systems, 2019 (not funded).
8. *Co-Principal Investigator*. Building Capacity of Tribes to Protect Indigenous Land. 2017 Healthy Watersheds Consortium Program (\$129, 102.46) 2017-2020 (withdrawn).

Other Completed Community Based Projects (without funding)

1. **Pilot Study – Entrepreneurship approach to Enable Behavior Change, and Improve Hygiene in Rural Tanzania.** This work was completed in collaboration with Maji Safi Kwa Afya Bora (MSABI), an NGO, and Muhimbili University of Health and Allied Sciences (MUHAS). Tanzania, 2018.
2. **Water Sanitation and Hygiene (WASH) Marketing.** This work was completed in collaboration with MSABI. A marketing video was produced to disseminate information and recruit new users for a new MSABI borehole and pump for life program to address WASH sustainability. Tanzania, 2018.

RESEARCH SUPPORT

Grants and Contracts

- 2019 Aminata Kilungo, *Development of One Health Program with a Global Reach*. Total Award: \$ 150,000; Funding Period: 01/2020 - 01/2022 (**PI**, Provost Investment Fund).
- 2018 John Ehiri, *Evaluation of Chronic Diseases Prevention*. Total Award: \$1,000,000; Funding Period: 01/2018 - 02/2023 (**Co-I**, Arizona Department of Health Services (ADHS) contract).
- 2017 Hamisi M. Malebo, *Enabling universal access to safe drinking water, hygiene and sustainable sanitation technologies and services for maternal, neonatal and child health improvement in rural communities*. Total Award: CAN \$ 100,000; Funding Period: 07/2017- 01/2019 (**Co-I**, Grand Challenge Canada Grant).
- 2016 Monica Ramirez-Andreotta, *Advancing Informal Environmental Health STEM Learning: Co-Created Citizen Science Rainwater Harvesting in Underserved Communities*. Total Award: \$2,260,186; Funding Period: 09/2016 – 09/2021 (**Co-PI**, The National Science Foundation (NSF) Grant).
- 2016 Hamisi M. Malebo, *Improving Sanitation and Hygiene through the Construction of Ventilated Pit Latrines Fitted with Handwashing Facilities in Cholera Hotspots Communities in Tanzania*. Total Award: \$70,761; Funding Period: 06/2016 – 02/2017 (**Co-I**, World Health Organization (WHO) Grant).
- 2015 Aminata Kilungo. *Evaluation of Environmental Health along the Arizona Sonora Border Region*. Total Award: \$39,500; Funding Period: 11/2015 – 11/2016 (**PI**, U.S Environmental Protection Agency (U.S EPA) Border 2020 and Border Environmental Cooperation Commission (BECC) Grant).
- 2010 Ann Marie Wolf. *Healthy Homes Project*. Total Award: \$1,000,000; Funding Period: 01/2010 – 01/2013 (**Co-I**, U.S Department of Housing and Urban Development (HUD) Grant).

PROGRAM DEVELOPMENT, TEACHING AND INNOVATION

Program Development

- 2020 Bachelors of Science in Public Health, One Health emphasis area, Mel and Enid Zuckerman College of Public Health, the University of Arizona.
- 2020 One Health minor, Mel and Enid Zuckerman College of Public Health, the University of Arizona.
- 2020 One Health Undergraduate Certificate, Mel and Enid Zuckerman College of Public Health, the University of Arizona.

2020 One Health Graduate Certificate, Mel and Enid Zuckerman College of Public Health, the University of Arizona.

2017 Critical Issues in Global Health and Global Water, Sanitation and Hygiene (WaSH), Tanzania summer study abroad program.

Course Development

2020 EHS 446/546 One Health Approach and Case Studies (online)

2018 HPS 433 Global Health (online)

2018 HPS 300 Public Health in the 21st Century (*online*)

2017 HPS 409 Water, Sanitation and Hygiene (WaSH) (*online*)

2017 HPS 493C Global Health Experience in Global Health - Critical Issues in Global Health Water, Sanitation and Hygiene (WaSH) (Tanzania study abroad field experience)

Teaching

- EHS 446/546 One Health Approach and Case Studies (online)
- EHS 585 Fundamental for Researchers
- HPS 534 Tropical Infectious Diseases, Global Health and Development (online)
- HPS 433 Global Health
- HPS 409 Water, Sanitation and Hygiene (WaSH) (*online*)
- HPS 300 Public Health in the 21st Century
- HPS 493C Global Health Experience in Global Health - Critical Issues in Global Health Water, Sanitation and Hygiene (WaSH) (Tanzania study abroad field experience)

Invited Guest Lecturer

2020 EPID 606 Changing Health Policy. Health and Education in Tanzania, Mel and Enid Zuckerman College of Public Health, the University of Arizona.

HPS 533 Global Health. Overview of Infectious Diseases of Global Health Importance

2019 EPID 679 One Health Application and Practice. Global Health and One Health, Mel and Enid Zuckerman College of Public Health, the University of Arizona.

HPS 533 Global Health. Overview of Infectious Diseases of Global Health Importance

HPS 416 The World's Foods and Health. El Salvador, Mel and Enid Zuckerman College of Public Health, the University of Arizona.

HPS 560 International Nutrition. Water, Sanitation and Hygiene and

Nutritional Outcomes, Mel and Enid Zuckerman College of Public Health, the University of The University of Arizona.

2018 HPS 533 Global Health. Overview of Infectious Diseases of Global Health Importance, Mel and Enid Zuckerman College of Public Health, the University of Arizona.

HPS 560 International Nutrition. Water, Sanitation and Hygiene and Nutritional Outcomes, Mel and Enid Zuckerman College of Public Health, The University of Arizona.

2016 ENV5195A Careers in Environmental Science. Working with Rural Communities to Improve Access to Safe and Clean Water. College of Agriculture and Life Science, the University of Arizona.

PRESENTATIONS

Oral and Panel Discussion

1. Moses, A., McLain, J., **Kilungo, A.**, Bobergh, V., Rutin, E., Ramirez-Andreotta. The Efficacy of Hydrogen sulfide (H₂S) Tests for Detecting Microbial Contamination in Harvested Rainwater Samples. *University of Chapel Hill (UNC) Water and Health Conference*, October 26-30, 2020, Chapel Hill, NC.
2. Davis, R., **Kilungo, A.**, John, I. Tools to Evaluate Water, Sanitation and Hygiene (WASH) in Schools in Dar es Salaam, Tanzania. *The 6th International Conference of Public Health 2020: Driving Innovation in Health and Healthcare in the Industrial Revolution 4.0*, July 6-11, 2020. Bangkok, Thailand.
3. **Aminata Kilungo**. WASH and Health. *The Muhimbili University of Health and Allied Sciences (MUHAS) Seminar Series*, Dar es Salaam, Tanzania, June 19, 2018. Dar es Salaam, Tanzania.
4. **Aminata Kilungo**. Exploring funding innovation for healthcare capacity development: the nexus of social entrepreneurship & healthcare development in East Africa. *Social Impact Summit*. October 17, 2017. The University of Arizona, Tucson, Arizona.
5. **Aminata Kilungo**. Working with Rural Communities to Improve Access to Safe and Clean Water. *Community Environment and Policy Seminar*, Feb 2016, Mel and Enid Zuckerman College of Public Health, the University of Arizona.
6. **Aminata Kilungo**. Investing in Water, Sanitation, Sanitation and Hygiene (WaSH) for Sustainable Development Goals (SDG). *The 30th Annual Joint Scientific Conference of the National Institute for Medical Research (NIMR)*. October 4-5, 2016. Dar es Salaam, Tanzania.
7. **Aminata Kilungo**. Evaluation of environmental health status along the Arizona-Mexico Border. *Environmental Protection Agency (EPA) Protecting Children's Environmental Health along the U.S.- Mexico Border*. January 27-28, 2016. San Diego, California.

8. **Aminata Kilungo.** Healthy Homes Rating System (HHRs) as a Tool to Assess and Guide Housing Investment Strategies in the Community. *Housing and Urban Development (HUD) Healthy Homes Conference*. March 18-19, 2014. Nashville, Tennessee.
9. **Aminata Kilungo.** Well Monitoring and Characterization in the Kilombero Region, Southeastern Tanzania. The University of Arizona, *Soil, Water and Environmental Science Colloquium Series*. October 15, 2012. Tucson, Arizona.
10. **Aminata Kilungo.** Identifying Hazardous Air Pollutants Hot Spots through Community Participatory Research Program. *National Environmental Health Association (NEHA) 72ND Annual Educational Conference (AEC) & Exhibition*. June 25, 2008. Tucson, Arizona.

Selected Posters

1. Moses, A., Abrell, L., Buxner, S., **Kilungo, A.**, McLain, J., Obergh, V., Robert, A., Sandoval, F., Ramirez- Andreotta, M. Indicator organism presence in urban and rural Arizona community garden soils watered with harvested rainwater. *ASA-CSSA-SSSA International Annual Meetings*. Nov 13-19. Virtual.
2. Mathur, S., Abrell, L., Villagomez- Marquez, N., Palawat, K., Ramirez- Andreotta, M., McLain, J., Root, R., Buxner, S., **Kilungo, A.**, Sandoval, F., What's In Your Rainwater? Inorganic and Organic Contaminants Measured in Roof- Harvested Rainwater. *University of Arizona KEYS Research Internship Poster Presentation*. July 20, 2020. Tucson, AZ.
3. Villagómez-Márquez, N., Abrell, L., Buxner, S., **Kilungo, A.**, Mclain, J.E.T., Root, R., Sandoval, F., Ramirez-Andreotta, M.D. Emerging contaminants in Roof-harvested Rainwater. *Emerging Contaminants Summit 2020*, March 10-11, 2020. Westminster, CO.
4. Henson, C., Villagómez-Márquez, N., Abrell, L., Buxner, S., **Kilungo, A.**, Mclain, J.E.T., Root, R., Sandoval, F., Ramirez-Andreotta, M.D. Per- polyfluoroalkyl substances in Roof-harvested Rainwater. *Emerging Contaminants Summit 2020*, Westminster, CO, Mar 10-11, 2020.
5. Samarasinha R, Wrona J, Mwambope G, John I, **Kilungo A.** Understanding Barriers to Improving Access to Water, Sanitation, and Hygiene (WaSH) in Rural Tanzania. *Global Health & Innovation Conference*, April 4-5, 2019. Yale University, New Haven, Connecticut.
6. Ramirez-Andreotta, MD, Abrell LM, Mclain, JET, **Kilungo AP**, Root, RA, Sandoval F. Project Harvest: A Co-Created Citizen Science Rainwater Harvesting Program in Rural and Urban Arizona Communities. *2nd Cobre Valley Forum on Water*, April, 2019, Globe, Gila County, Arizona.
7. Ramirez-Andreotta MD, Davis, L, Buxner S, **Kilungo A**, Root R, Mclain JE, Abrell L, Sandoval F. Effect of Environmental Monitoring Method on Participant Self-Efficacy for Science in Underrepresented Communities. *Citizen Science Association Conference*, March 2019, Raleigh, North Carolina.
8. Ramirez-Andreotta MD, Sandoval F, Moses A, Solis-Leon J, Villagomez-Marquez N. Davis L, Abrell LM, Mclain, JET, **Kilungo AP**, Root, RA. Project Harvest Be Informed. Grow Smarter. *University of Arizona Water Research Resource Center Brown Bag Seminar*, March 2019.

Tucson, AZ.

9. Villagomez-Marquez N, Ramirez-Andreotta MD, Sandoval F, Moses A, Solis-Leon J, Davis L, Abrell LM, Mclain, JET, **Kilungo AP**, Root, RA. Investigating chemicals of emerging concerns (CECs) in rooftop harvested rainwater via co-created citizen science by applying high-resolution liquid chromatography–tandem mass spectrometry (HR-LC-MS/MS) *North America Chemical Residue Workshop (NACRW)* July 24 - 25, 2018, Tallahassee, Florida.
10. Davis L, Ramirez-Andreotta MD, Sandoval F, Moses A, Solis-Leon J, Villagomez-Marquez N, Kaufmann D, Abrell LM, Mclain, JET, **Kilungo AP**, Root, RA Advancing informal environmental health STEM learning through co-created citizen science, *Food-Energy-Water Nexus* May 22 -23, 2018, Washington DC.
11. Villagomez-Marquez N, Ramirez-Andreotta MD, Sandoval F, Moses A, Solis-Leon J, Davis L, Kaufmann D, Abrell LM, Mclain, JET, **Kilungo AP**, Root, RA Investigating emerging organic contaminants in harvested rainwater via co-created citizen science: What is in your rainwater? *SWESx Annual Conference*, April 11, 2018. Tucson, Arizona.
12. Ramirez-Andreotta MD, Sandoval F, Moses A, Solis-Leon J, Villagomez-Marquez N, Davis L, Kaufmann D, Abrell LM, Mclain, JET, **Kilungo AP**, Root, RA Socio-demographics in citizen science: Does governance model matter? *SWESx Annual Conference*, April 11, 2018. Tucson, Arizona.
13. Moses A, Ramirez-Andreotta MD, Sandoval F, Solis-Leon J, Villagomez-Marquez N, Davis L, Kaufmann D, Abrell LM, Mclain, JET, **Kilungo AP**, Root, RA The volunteer army: a review of ethical concerns in citizen science, *SWESx Annual Conference*, April 11, 2018. Tucson, Arizona.
14. Villagomez-Marquez N, Ramirez-Andreotta MD, Sandoval F, Moses A, Solis-Leon J, Davis L, Kaufmann D, Abrell LM, Mclain, JET, **Kilungo AP**, Root, RA. Project Harvest: analytical methods developed for organic contaminants in harvested rainwater. *2018 Biological, Engineering, and Chemical Undergraduate Research (BECUR) Conference*, March 17, 2018. Tucson, Arizona
15. **Aminata Kilungo**. Real-time detection of microbial contaminants in drinking water using intrinsic fluorescence. *Faecal Indicators: are they a problem or a solution?* June 6-8, 2011. Edinburgh, United Kingdom.
16. **Aminata Kilungo**. Real-time detection of microbial contaminants in water using intrinsic fluorescence. *Land Grant and Sea Grant National Water Conference*. January 31-February1, 2011. Washington, District of Columbia.

LIST OF COLLABORATORS (LAST 5 YEARS)

Grants and Publications

Abrell, L., The University of Arizona
Alaofe, H., The University of Arizona
Arnold, N., Michigan Technological University
Beamer, P., The University of Arizona

Buxner, S., The University of Arizona
 Chebet, J., The University of Arizona
 David, R., The University of Arizona
 Ellis, W., Sonoran Analytical Instruments and Diagnostics, LLC
 Estrella-Sanchez, R., The University of Arizona
 Gallegos, F., Sonora Environmental Research Institute, Inc.
 Gallegos, M., The University of Arizona
 Gerardo, L., The University of Arizona
 Henriquez, P., Sonora Environmental Research Institute, Inc.
 Henson, C., The University of Arizona
 Hussein, M., Muhimbili University of Health and Allied Sciences, Tanzania
 John, I., Muhimbili University of Health and Allied Sciences, Tanzania
 Katani, S., The Tanzanian National Institute of Medical Research
 Kaufman, D., The University of Arizona
 Malebo, H., The Tanzanian National Institute of Medical Research
 Mckay, C., SETI Institute’s Carl Sagan Center for the Study of Life in the Universe
 McLean, J., The University of Arizona
 Moses, A., The University of Arizona
 Mwambope, G., Muhimbili University of Health and Allied Sciences, Tanzania
 Patterson, K., James Madison University
 Powers, L., The University of Arizona
 Ramirez, D., The University of Arizona
 Ramirez-Andreotta, M., The University of Arizona
 Root, R., The University of Arizona
 Roveda, J., The University of Arizona
 Rutin, E., The University of Arizona
 Samarasinha, R., The University of Arizona
 Smith, H., Utah State University
 Solis-Leon, J., The University of Arizona
 Spitz, A., The University of Arizona
 Veal, L., The University of Arizona
 Villagómez-Márquez, N., The University of Arizona
 Villagómez-Márquez, N., The University of Arizona
 Wagoner, R., The University of Arizona
 Whelan, K., Michigan Technological University
 Wolf, A., Sonora Environmental Research Institute, Inc.
 Wrona, J., The University of Arizona
 Young, D., Maji Safi kwa Afya Bora (MSABI), Tanzania

STUDENT ADVISING (*primary research or program advisor*)

The University of Arizona

Doctor of Philosophy (PhD)

2020 - Present Elder, A., Geography, Development & the Environment (minor advisor)

2017 - Present Moses, A., Soil, Water and Environmental Science (dissertation committee)

Masters of Public Health (MPH)

2020 - Present Deal, C., Mel and Enid Zuckerman College of Public Health.
2020 - Present Lopez, V., Mel and Enid Zuckerman College of Public Health.
2018 - Present Yemi, O., Mel and Enid Zuckerman College of Public Health.
2018 - 2020 Davis, R., Mel and Enid Zuckerman College of Public Health.
2016 - 2020 Gallegos, M., Mel and Enid Zuckerman College of Public Health.
2017 - 2018 Samarasinha, R., Mel and Enid Zuckerman College of Public Health.
2017 - 2018 Redmond, K., Mel and Enid Zuckerman College of Public Health.

Bachelors of Science (BSc) (honors students)

2020 - Present Callahan, C., Mel and Enid Zuckerman College of Public Health.
2019 - 2020 Rutin, E., Mel and Enid Zuckerman College of Public Health.
2018 - 2019 Wrona, J., Mel and Enid Zuckerman College of Public Health.