

Curriculum Vitae (Updated: July 30th, 2024)

Edrisa Sanyang, Ph.D.

Associate Professor of Environmental and Occupational Health

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I. EDUCATION AND PROFESSIONAL HISTORY

A. Education

Institution	Field of Study	Degree Obtained	Degree Date
Gambia College, School of Public Health, Brikama, The Gambia	Environmental Health Sciences	HND	2001
The University of The Gambia, Medical School, Banjul, The Gambia	Public & Environmental Health	BS (Hons)	2007
Leeds Beckett University, Leeds, UK	Health Promotion & Environmental Health	MS	2011
University of Iowa, College of Public Health, Iowa City, Iowa, USA	Occupational & Environmental Health	MPH	2012
University of Iowa, College of Public Health, Iowa City, Iowa, USA	Occupational & Environmental Health	PhD	2016

B. Professional and Academic Positions

Position Title	Dates of Service	Institution/Location
Assistant Public Health Officer	2001 – 2005	Ministry of Health & Social Welfare, Banjul, The Gambia
Public Health Field Epidemiologist	2005 – 2007	Ministry of Health & Social Welfare, Banjul, The Gambia
Project Manager, Water & Sanitation	2007 – 2011	ChildFund International, Gambia Office, Kanifing, The Gambia
Lecturer and Center Director	2011 – 2014	Department of Public & Environmental Health, University of The Gambia, Brikama, The Gambia
Visiting Assistant Professor	2017 – 2018	Department of Public Health, College of Public Affairs & Admin, University of Illinois, Springfield, Illinois, USA
Assistant Professor	2018 – 2024	Department of Public Health, College of Health and Human Services, Western Kentucky University, Bowling Green, Kentucky, USA

Director, EOHS Undergraduate Programs	2020 – 2021	Department of Public Health, College of Health and Human Services, Western Kentucky University, Bowling Green, Kentucky, USA
Director, EOHS Graduate Programs	2021 – Present	Department of Public Health, College of Health and Human Services, Western Kentucky University, Bowling Green, Kentucky, USA
Co-Director, Center for Environmental and Workplace Health	2021 – Present	Department of Public Health, College of Health and Human Services, Western Kentucky University, Bowling Green, Kentucky, USA
Associate Professor	2024 – Present	Department of Public Health, College of Health and Human Services, Western Kentucky University, Bowling Green, Kentucky, USA

C. Honors and Awards

Year	Title/Location
2002 – 2005	World Health Organization (WHO) Scholarship, WHO African Region, Harare
2007 – 2011	Leeds Education Trust Fund, Leeds, UK
2010 - 2011	International Training and Research in Environmental and Occupational Health Scholarship, Fogarty International Center, National Institutes of Health, USA
2011 – 2012	International Training and Research in Environmental and Occupational Health Scholarship, Fogarty International Center, National Institutes of Health, USA
2014 – 2016	Collaborative Trauma and Injury Research Scholarship, Fogarty International, National Institutes of Health, USA
2018 – 2019	Early Investigator Status, Office of Sponsored Programs, Western Kentucky University, USA
2018 – 2019	First Time Awardee, Office of Sponsored Programs, Western Kentucky University, USA
2022 – 2023	Faculty Excellence for Research and Creative Activity, College of Health and Human Services, Western Kentucky University, USA

II. TEACHING

A. Current Teaching Assignments – Western Kentucky University, Department of Public Health

- ENV 280 – Introductory to Environmental Science
- ENV 120 – Introduction to Occupational Health and Safety
- ENV 490 – Independent Study
- EOHS 550 – Principles of Occupational Safety and Health
- EOHS 560 – Environmental Management and Risk Assessment
- EOHS 570 – Industrial Hygiene
- EOHS 572 – Environmental and Occupational Epidemiology

PH 385 – Environmental Health

PH 530 – Independent Study

PH 584 – Principles of Environmental Health

EOHS 598 – Capstone in Environmental & Occupational Health

PH 599 – Thesis

B. Current Teaching Assignments – Kentucky Institute for International Studies (KIIS)

ENV 475 - Occupational Safety and Health in Africa

C. Previous Teaching Assignments

1. University of Illinois at Springfield, Department of Public Health

MPH 521 – Environmental and Occupational Health

MPH 488 – Occupational Safety and Health

MPH 506 – Community Health Research

MPH 224 – Epidemiology – Science of Disease Discovery

2. University of The Gambia, Department of Public & Environmental Health

PHC 506 – Current Public Health Concepts and Strategies

PHC 704 – Principle and Practice of Environmental Health

MSPH 750 – Occupational Health and Safety

MPH 655 – Independent Study

PEH 265 – Public Health Inspection and Report Writing

PEH 101 – Introduction to Public Health and Professional Ethics

PEH 240 – Water Supply and Sanitation

PEH 110 – Community Health and Primary Health Care

PEH 100 – Introduction to Public Health

3. Gambia College, School of Public Health

PEH 240 – Water Supply and Sanitation

PEH 325 – Public Health and Social Work

SCHOLARSHIP

D. Selected Peer-Review Publications and Conference Presentations (Not in Specific Order)

1. **Sanyang, E.,** Bass, P., Ndow, B., Jagne, A., & Reynolds, E. M. (2024). Predictors of Patient Outcomes Associated with Transfer Status to Definitive Care Hospitals: A Study of Admitted Road Traffic Injured Patients in Two Major Trauma Hospitals in The Gambia. *Current Research in Public Health*, 13-25.
2. **Sanyang, E.,** Adams, A., Taylor, R., McDonald, V., Macy, G., & Basham, J. (2024). Knowledge of Infection Prevention and Control and Practice Behaviors among Career and Volunteer

- Firefighters in Rural Communities. *Merits*, 4(2), 146-158.
3. **Sanyang, E.**, Mkanta, W. N., Taylor, R. D., Moshiro, C., Lartey, G. K., Ndow, M., & Bass, P. (2022). Youths' Perceptions of Road Safety Risk Behaviors in the Roadway Environment: A Study of College Students in The Gambia and Tanzania. *Social and Health Sciences*, 20(1-2), 1-18.
 4. **Sanyang, E.**, Jabbi, A., Ndow, M., Reynolds, E. M., Egiebor, E., & Alamu, J. (2023). Group-specific Differences in Blood Lead Levels among Occupationally Exposed Workers in Greater Banjul Area, The Gambia. *Current Research in Public Health*, 3(2), 105–118.
 5. Wallis, Anne Baber; **Sanyang, Edrisa**. *New era for health in The Gambia*. *The Lancet*, 389,10084,2101-2102,2017, Elsevier.
 6. Bass, Paul; Yu, Wen-Yu; **Sanyang, Edrisa**; Lin, Mau-Roung. *Risk factors for recurrent injuries from physical violence among African men in the Gambia*. *Journal of community health*, 44,3,596-604,2019, Springer US.
 7. **Sanyang, Edrisa**; Peek-Asa, Corinne; Bass, Paul; Young, Tracy L; Jagne, Abubacarr; Njie, Baba. *Injury factors associated with discharge status from emergency room at two major trauma hospitals in The Gambia, Africa*. *Injury*, 48,7,1451-1458, 2017, Elsevier.
 8. Murphy, MW; Sanderson, WT; Birch, ME; Liang, F; **Sanyang, E**; Cante, M; Cook, TM; Murphy, SC. **Type and toxicity of pesticides sold for community vector control use in the Gambia**, *Epidemiology Research International*, 2012, Hindawi.
 9. **Sanyang, Edrisa**; Peek-Asa, Corinne; Bass, Paul; Young, Tracy L; Daffeh, Babanding; Fuortes, Laurence J. *Research Article Risk Factors for Road Traffic Injuries among Different Road Users in the Gambia*, 2017.
 10. Sanneh, Edward Saja; Hu, Allen H; Chang, YM; **Sanyang, Edrisa**. *Introduction of a recycling system for sustainable municipal solid waste management: a case study on the greater Banjul area of the Gambia*. *Environment, development and sustainability*, 13,6,1065-1080,2011, Springer Netherlands.
 11. Butler-Dawson, Jaime; Kuye, Rex; **Sanyang, Edrisa**; Rohlman, Diane S; Thorne, Peter S. *Neurobehavioral effects associated with low-level exposure to pesticides in The Gambia*. *Pesticide exposure, risk factors, and neurobehavioral performance among vulnerable populations*, 5, 96-119, 2015, The University of Iowa.
 12. Yu, Wen-Yu; Bass, Paul; **Sanyang, Edrisa**; Lin, Mau-Roung. *Risk Factors for Recurrent Violent Injuries among African Men in The Gambia*, 第六屆亞洲健康識能國際會議, 2018, 亞洲健康識能學會
 13. Bass, Paul; **Sanyang, Edrisa**; Lin, Mau-Roung. *Risk factors for violent injuries and their severity among men in the Gambia*. *American journal of men's health*, 12,6,2116-2127,2018, "Sage Publications Sage CA: Los Angeles, CA.
 14. Butler-Dawson, Jaime; Kuye, Rex; **Sanyang, Edrisa**; Rohlman, Diane S; Thorne, Peter S. *Knowledge and practices related to pesticides in The Gambia and opportunities for exposure mitigation strategies*. *Pesticide exposure, risk factors, and neurobehavioral performance among vulnerable populations*, 80, 2015, The University of Iowa.
 15. **Sanyang, Edrisa**; Peek-Asa, Corinne; Bass, Paul; Young, Tracy L; Daffeh, Babanding; Fuortes, Laurence J. *Risk factors for road traffic injuries among different road users in the Gambia*. *Journal of environmental and public health*, 2017, Hindawi.

16. Bass, Paul; **Sanyang, Edrisa**; Lin, Mau-Roung. *Patterns of and Risk Factors for Injuries from Physical Violence against African Women in The Gambia*. 第六屆亞洲健康識能國際會議, 2018, 亞洲健康識能學
17. **Sanyang, Edrisa**. *Risk factors and injury characteristics among trauma patients in the Gambia*, 2016. The University of Iowa.
18. **Sanyang, Edrisa**; Peek-Asa, Corinne; Young, Tracy; Fuortes, Laurence. *Child supervision and burn outcome among admitted patients at major trauma hospitals in the Gambia*. International journal of environmental research and public health,14,8,856,2017,MDPI.
19. **Sanyang, Edrisa**; Butler-Dawson, Jaime; Mikulski, Marek A; Cook, Thomas; Kuye, Rex A; Venzke, Kristina; Fuortes, Laurence J. *Environmental and occupational health needs assessment in West Africa: opportunities for research and training*. International journal of public health,62,2,317-325,2017, Springer International Publishing.
20. Yu, Wen-Yu; Bass, Paul; **Sanyang, Edrisa**; Lin, Mau-Roung. *Risk factors for injuries from physical violence in african women in the Gambia*, The Journal of Emergency Medicine,58,2,356-364, 2020, Elsevier.
21. Jabbi, Alhaji; Ndow, Bakary; Senghore, Thomas; Sanyang, Edrisa; Kargbo, Jainaba Catherina; Bass, Paul. *Prevalence and factors associated with intimate partner violence against women in The Gambia: a population-based analysis*. Women & Health,60,8,912-928,2020, Taylor & Francis.
22. Marek, **Edrisa Sanyang**, Jaime Butler-Dawson; Mikulski, A; Kristina, Thomas Cook Rex A Kuye; Fuortes, Venzke Laurence J. *Environmental and occupational health needs assessment in West Africa: opportunities for research and training*, 2016.
23. Mkanta, William; **Sanyang, Edrisa**; and Lartey, Grace. *Theoretical and Conceptual Issues in Research Related to Health System Readiness and Response in Pandemic Outbreaks*. International Journal of Healthcare Systems Engineering,3,006,2 - 15,2021, VIBGYOR.
24. **Sanyang, Edrisa**; Taylor, Ritchie; Macy, Gretchen; Adams, Ashley; Golla, Vijay; Carrico, Ruth; Guiomar Hunting-Moskos, Luz. *Firefighter Practice and Exposure in Response to Emergency Calls in Northwestern Kentucky*. University of Louisville Center for Integrative Environmental Health Sciences,3,1,2021.
25. Taylor, Ritchie; Macy, Gretchen; Hwang, Jooyeon; Golla, Vijay; Cann, Charles; **Sanyang, Edrisa**. *Using Collaborative Partnerships to Engage Firefighters in Rural Communities*. International journal of environmental research and public health,19,4,2009,2022, MDPI.
26. Bass, Paul; Yu, Wen-Yu; Chen, Sy-Jou; **Sanyang, Edrisa**; Lin, Mau-Roung. *Risk factors for recurrent violent injuries among African women in The Gambia*. Western journal of emergency medicine,23,4,548,2022, California Chapter of the American Academy of Emergency Medicine (Cal/AAEM).
27. Bajinka, Ousman; **Sanyang, Edrisa**; Guojun, Wu; Tan, Yurong. *Cryopreservation of Fertility Specimens: The Intersection of Occupational Safety and Ethical Consideration*. Revista de Educacion, 394,10, 2022.

A. Manuscripts / Manuscripts Under Review

1. **Sanyang, E.**, Win, Shwe., Taylor, R., Macy, G., Basham, J.R., Sales, M., and Richardson, J. Workplace violence among young black workers ages 18-24 in Southcentral Kentucky.

B. Theses, Dissertation, and Directed Student Research

1. Thesis Committee Member. Chaudhari, M. (2019 – 2020). *Occupational Exposure of Firefighters to Particulate Matter Inside Fire Station Day Rooms*. College of Health and Human Services, Western Kentucky University.
2. Thesis Committee Chair. Jabbi, A. (2018 – 2019). *Group Specific Difference in Blood Lead Levels among Occupationally Exposed Workers in Greater Banjul Area*. School of Medicine and Allied Health Science, The University of The Gambia.
3. Dissertation Committee Member and Co-Project Director. Bass, P. (2016 – 2018). *Pattern and risk factors of violent injuries in the greater Banjul area, the Gambia*. Taipei Medical University, School of Public Health
4. Thesis Committee Chair. Dumbuya, M. (2017 – 2018). *Investigation of Injury Risk Among Welders in the Kanifing Municipal Council, The Gambia*. University of The Gambia, Department of Public & Environmental Health
5. Dissertation Co-Project Director. Buttler-Dawson, J (2013 – 2015). *Pesticide exposure, risk factors, and neurobehavioral performance among vulnerable populations*. University of Iowa, College of Public Health.
6. Thesis Co-Field Supervisor. Keum, C.B (2016). *Analysis of road traffic crashes and injury severity of pedestrian victims in the Gambia*. University of Iowa, College of Public Health.
7. Thesis Field Supervisor. Vo, T. (2016). *The effectiveness of cloth filtration in the removal of fecal coliforms in drinking water in rural Gambian villages*. University of Iowa, College of Public Health.
8. Capstone Preceptor. Barlow, M. (2014). *A process evaluation of ‘Hands on Care’ NGO: Orphan and Vulnerable Children Food Program*. University of Iowa, College of Public Health.
9. Thesis Committee Chair. Mendy, M. (2013). *Role of Household Heads in the Promotion and Utilization of Insecticide-Treated Nets*. Leeds Beckett University.

C. Research Grants received or Coordinated

Source/Title	Position/Role	Amount/ Funding Period
National Institutes of Health/Fogarty International, USA; Global Environmental and Occupational Health (GEOHealth)	Program Director	\$400,000.00 2012 – 2016
RTIRN/CIREH Pilot Grants: Epidemiology of Injuries in The Gambia	Principal Investigator	\$44,095.81 2014 – 2016
University of Illinois Springfield, Faculty Competitive Grant: Blood Lead Levels among Occupationally Exposed Workers, Gambia.	Principal Investigator	\$10,000.00 2018 - 2019
University of Iowa Injury Prevention Research Center, USA; Youths’ Risk Perception of Road Traffic Crashes in The Gambia	Principal Investigator	\$5,300.00

		2018 - 2019
Center for Disease Control and Prevention/National Institute of Occupational Safety and Health (CDC/NIOSH); Training Project Grants for WKU-EOHS Graduate Program.	Co-Principal Investigator	\$499,235.00
Western Kentucky University College of Health and Human Services (WKU/CHHS); Youth Risk Perception of Road Traffic Crashes in Tanzania.	Principal Investigator	2017 – 2022
Commonwealth of Kentucky, Division of Emergency Management; HazMat Commodity Study.	Co-Investigator	2019 – 2020 \$8,300.00
Firefighter practice and exposure in response to COVID-19 in Northwestern Kentucky	Principal Investigator	\$38,500.00
Safety Education and child safety behaviors in the roadway environment, The Gambia	Co-Investigator	2019 – 2020 \$19,519.00.
Workplace violence among young black workers ages 18-24 in Southcentral Kentucky.	Principal Investigator	2021 - 2022 \$12,000.00
Hazmat commodity flow study in Northern Kentucky	Co-Principal Investigator	2021 - 2022 \$7,993.00
Center for Disease Control and Prevention/National Institute of Occupational Safety and Health (CDC/NIOSH); Training Project Grants for WKU-EOHS Graduate Program.	Co-Principal Investigator	2021 - 2022 \$139,993.00
Assessment of Training Needs Among Occupational Safety and Health Professionals in Kentucky	Co-Investigator	2022 – 2027 \$924,319.00
Developing a Center of Excellence in Total Worker Health: Total Firefighter Health Pilot. Transdisciplinary Opportunity Program (TOP) Seed Grant.	Program Officer	2022 – 2023 \$20,000.00
Epidemiology of Injuries presented to Zanzibar Major Trauma Hospitals.	Principal Investigator	2024 – 2026 \$100,000.00
		\$23,163.00

Consultancies

Title	Awarding Organization	Position/Role	Year
Sibanor Drinking-Water Pyramid Evaluation	ChildFund International, The Gambia	Lead Consultant	2011
Environmental and Social Impact Assessment: Trans-Gambia Road Project	National Roads Authority, The Gambia	Co-Consultant	2016
National Community Led Total Sanitation (CLTS) Program Evaluation	Ministry of Health & Social Welfare / United Nations Children Fund (UNICEF)	Lead Consultant	2016

National Road Safety Strategy Development	Ministry of Health & Social Welfare / World Health Organization (WHO)	Lead Consultant	2017
HazMat Commodity Study	Division of Emergency Management, Commonwealth of Kentucky	Co-Consultant	2020
State-wide Risk Assessment	Kentucky Department of Public Health, Center for Disease Control and Prevention (CDC).	Co-Principal Investigator	2024

III. SERVICE

A. Department, College, University, Community Services

Position Title	Dates of Service	Institution/Location
Coordinator, Leeds Beckett Offsite Provision	2010 – 2014	Leeds Beckett University Gambia Program, Banjul, The Gambia
Associate Director, MHIRT Program	2011 – 2016	Department of Public & Environmental Health, University of The Gambia, Brikama, The Gambia
Coordinator, Graduate Programs in Public & Environmental Health	2012 – 2014	Department of Public & Environmental Health, University of The Gambia, Brikama, The Gambia
Faculty Adviser, African Students Association (ASA)	2017 – 2018	University of Illinois at Springfield, Springfield, Illinois, USA
Program Officer, EHAC Accreditation of EOHS programs	2018 – 2019	Western Kentucky University, Bowling Green, Kentucky
EOHS Advisory Council Member	2018 - Present	Western Kentucky University, Bowling Green, Kentucky
Comprehensive Academic Program Evaluation (CAPE)	2018 – 2019	Western Kentucky University, Bowling Green, Kentucky
BSPH Curriculum Review	Spring 2020	Western Kentucky University, Bowling Green, Kentucky
MPH Curriculum Review	2019 – 2020	Western Kentucky University, Bowling Green, Kentucky
EOHS Curriculum Review	2018 - Present	Western Kentucky University, Bowling Green, Kentucky
Steering Committee Member, Pilot Research Project (PRP), (NIOSH ERC Center)	2019 – Present	University of Cincinnati, Cincinnati, OH
Program Director, EOHS Undergraduate Programs	2020 – 2021	Western Kentucky University, Bowling Green, Kentucky

Program Director, EOHS Graduate Programs	2021- Present	Western Kentucky University, Bowling Green, Kentucky
Committee Member, WKU-IRB Conflict of Interest Committee	2021 – Present	Western Kentucky University, Bowling Green, Kentucky
Committee Member, CHHS Research Innovation & Scholarship Council	2021 – Present	Western Kentucky University, Bowling Green, Kentucky
Committee Member, Academic	2022 – Present	Western Kentucky University, Bowling Green, Kentucky
Co-Director, Center for Environmental and Workplace Health	2021 – Present	Western Kentucky University, Bowling Green, Kentucky
Committee Member, CHHS Graduate Curriculum Committee	2023 – Present	Western Kentucky University, Bowling Green, Kentucky
Committee Member, DPH Strategic Committee	2023 – Present	Western Kentucky University, Bowling Green, Kentucky
Committee Member, DPH Tenure & Promotion Committee	2023 – Present	Western Kentucky University, Bowling Green, Kentucky
Committee Member, CHHS Global Health Education and Research	2023 – Present	Western Kentucky University, Bowling Green, Kentucky

B. Professional Organizations

Year	Organization	Position
2002 – 2016	Gambia Association of Public Health Officers (GAPHO)	Treasurer (2005 – 2010)
2004 – 2014	Association for the Advancement of Science and Technology (AASAT)	Member
2010 – Present	American Public Health Association (APHA)	Member
2017 – 2018	Illinois Environmental Health Association (IEHA)	Member
2019 – Present	National Environmental Health Science and Protection Accreditation Council (EHAC)	Faculty Member
2022 – Present	National Environmental Health Association (NEHA)	Member
