

**Curriculum Vitae (Updated: July 30<sup>th</sup>, 2024)**  
**Edrisa Sanyang, Ph.D.**

Associate Professor of Environmental and Occupational Health  
Department of Public Health, Western Kentucky University  
Tel: (270) 745-3500; Email: [edrisa.sanyang@wku.edu](mailto:edrisa.sanyang@wku.edu)

**I. EDUCATION AND PROFESSIONAL HISTORY**

**A. Education**

<b>Institution</b>	<b>Field of Study</b>	<b>Degree Obtained</b>	<b>Degree Date</b>
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**

<b>Position Title</b>	<b>Dates of Service</b>	<b>Institution/Location</b>
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**; Canteh, 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. Mandy, 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	
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	2021 - 2022	
Workplace violence among young black workers ages 18-24 in Southcentral Kentucky.	Principal Investigator	\$19,519.00.	
Hazmat commodity flow study in Northern Kentucky	Co-Principal Investigator	2021 - 2022	
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	\$12,000.00	
Assessment of Training Needs Among Occupational Safety and Health Professionals in Kentucky	Co-Investigator	2022 – 2023	
Developing a Center of Excellence in Total Worker Health: Total Firefighter Health Pilot. Transdisciplinary Opportunity Program (TOP) Seed Grant.	Program Officer	\$7,993.00	
Epidemiology of Injuries presented to Zanzibar Major Trauma Hospitals.	Principal Investigator	2022 – 2023	
		\$23,163.00	

### Consultancies

Title	Awarding Organization	Position/Role	Year
Sibanon 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