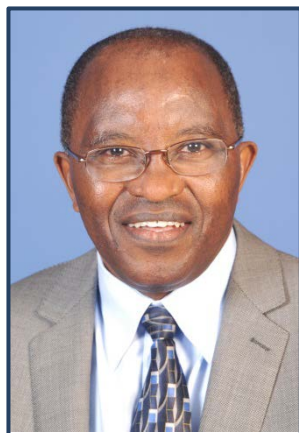


FACULTY PROFILE



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Professional Summary

Professional History

- Assistant Professor of Environmental & Occupational (EO) Medicine, 1984-1988; National University of Rwanda Faculty of Medicine
- Assistant Professor of EO Health/Epidemiology/ Medicine, 1995-2002; Florida International University (FIU) Graduate Department of Public Health EO Health Concentration Area
- Associate Professor of EO Health/Epidemiology/ Medicine, 2002 - 2015; FIU Robert Stempel College of Public Health & Social Work (RSCPHSW)
- Associate Professor, January 2016 - present; Kuwait University Faculty of Public Health (EO Health)

Scientific Interests

Dr. Gasana's research interests focus on the role of environmental and occupational exposures to soil-, water-, air-, and food-borne contaminants; infections; allergens; injury; stress; genes; & the immune system in the pathological process that leads to the disease with the ultimate goal of preventing these exposures. The research work is primarily in the field of environmental and occupational health, medicine, and epidemiology using exposure assessment, community-based pilot studies, meta-analysis / systematic reviews, and analysis of secondary data. The specific focus is on water, sanitation, hygiene (WASH) and health; gene - environment interaction/ epigenetics; application of concept of healthy homes; exposure to aeroallergens / heavy metals / airborne particles; etiology, triggers, and prevention of pediatric asthma; residential and occupational injuries; and long-term sequelae of chronic infectious diseases. On August 15, 1995, he joined FIU as a faculty member in the Department of Public Health, which evolved into RSCPHSW in 2002. As a founding faculty member, he has helped to establish the new Department of EO Health of RSCPHSW and form a research team that developed tremendous expertise in exposure assessment, design and implementation of community-based pilot studies, meta-analysis/systematic reviews, and secondary data analysis. He is also consultant for The World Bank and USAID on EO health issues.

Education and Training

- Bachelor of Science in Human Biology, 1981; National University of Rwanda (NUR) Faculty of Medicine, Butare, Rwanda
- MD, 1984; NUR Faculty of Medicine, Butare, Rwanda
- MPH (Masters of Public Health), 1990; University of Illinois at Chicago (UIC), USA
- PhD (Public Health – Environmental & Occupational Health/Epidemiology), 1995, UIC, USA

Selected Publications

1. **Gasana, J.** and Chamorro, A. Environmental Lead Contamination in Miami Metropolitan Area , *Journal of Exposure Analysis and Environmental Epidemiology*, July, 2002. V. 12 # 4.5)
2. **Gasana, J.**, Morin, J., Ndikuyeze, A. Impact of Water Supply and Sanitation on Diarrheal Morbidity Among Children in the Socioeconomic Context of Rwanda (Africa), *Environmental Research Section A*, **90**, 76-88 (2002).
3. Mendy A., **Gasana J.**, Vieira E J., Forno E., Patel J., Kadam P., Ramirez G. Endotoxin exposure and childhood wheeze and asthma: a meta-analysis of observational studies. *J Asthma*. 2011;48(7):685-93 (PMID: 21732750)
4. Mendy A., **Gasana J.**, Vieira E. J. Urinary heavy metals and associated metal conditions in the US adult population. *Int J Environ Health Res*. 2011 August 19. [Epub ahead of print] (PMID: 21854105)
5. Mendy A., **Gasana J.**, Vieira E. J., Harman L. The effect of lead exposure on thyroid function parameters in American adults. *Int J Environ Health Res*, 2013. DOI: 10.1080/09603123.2012.755155.
6. **Gasana J.**, Dillikar D., Mendy A., Forno E., Vieira E. Motor vehicle air pollution and asthma in children: a meta-analysis. *Environ Res* 117 (2012) 36-45.
7. Page TF, Beck-Sague CM, Pinzon-Iregui MC, Cuddihy A, Tyler T, Forno E, Dean AG, Siven J, Pottinger S, **Gasana J.** Asthma in underserved schoolchildren in miami, Florida: results of a school- and community-based needs assessment. *J Asthma*. 2013 Jun; 50 (5) : 480-7 PMID 23544421
8. Demirel N., Reiter J., Mendy A., **Gasana J.**, Vieira E. R., Colin A., Quizon A., Forno E. Macrolides for the long-term management of asthma - a meta-analysis of randomized clinical trials. *Allergy* 2013Aug; 68 (8):1040-9 PMID23895667
9. Elazab N., Mendy A., **Gasana J.**, Vieira E. R., Quizon A., Colin A., Forno E. Probiotic administration in early life, atopy, and asthma – a meta-analysis of clinical trials. *Pediatrics* 2013 Sep; 132(3):e666-76 PMID23958764
10. Mendy A, Vieira ER, **Gasana J.** Seropositivity to herpes simplex virus type 2, but not type 1 is associated with premature cardiovascular diseases: a population-based cross-sectional study. *Atherosclerosis* 2013 Nov;231(1):18-21 PMID 24125404
11. Ibrahimou B, Salihu HM, **Gasana J**, Owusu H (2014) Risk of Low Birth Weight and Very Low Birth Weight from Exposure to Particulate Matter (PM2.5) Speciation Metals during Pregnancy. *Gynecol Obstet (Sunnyvale)* 4: 244. DOI:10.4172/2161-0932.1000244
12. Karina Villalba, Jennifer Attonito, Angelico Mendy, Jessy G. Devieux, **Janvier Gasana**, and Tefvik M. Dorak. A Meta-Analysis of the Associations between SLC6A4 Promoter Polymorphism (5-HTTLPR) and Risk of Alcohol Dependence. *Psychiatric Genetics*. DOI 10.1097/YPG.0000000000000078
13. Getachew Redaie Taffere, Abebe Beyene Hailu, Said Vuai, **Janvier Gasana**, Yilma Sileshi. Reliability analysis of roof rainwater harvesting systems in semi-arid region of Sub-Saharan Africa: a case study of Mekelle, Ethiopia (*In Press*). *Hydrological Sciences Journal*
14. **Gasana, J.**, Gibson-Young, L., Boubakari, I., Weiss-Randall, D., Arrieta, A., Beck-Sague, C., Siven, J. and Torok, D. Asthma in Schoolchildren in the Florida Keys: School-based Needs Assessment. *Journal of Asthma* (2015). DOI:10.3109/02770903.2015.1081939.

Professional Affiliations

- Adjunct Faculty, FIU, Miami, FL, USA and Medical College of Wisconsin, Milwaukee, WI, USA
- Member, American Public Health Association (APHA)
- Member, International Society for Environmental Epidemiology (ISEE)
- Member, International Society for Exposure Science (ISES)
- Member, Association of Occupational and Environmental Clinics (AOEC)
- Member, NSC (US National Safety Council) Press Editorial Advisory Board
- Member, IFR-GHL (Institut de Formation et Recherche – Georges Henri Levesque), Montreal, Canada