

PhD TRAINING OPPORTUNITY AT MAKERERE UNIVERSITY SCHOOL OF PUBLIC HEALTH

Background

IHE Delft Institute for Water Education in partnership with Makerere University School of Public Health (MakSPH), the International Centre for Diarrhoeal Disease Research (icddr,b), Bangladesh, and others received a PhD training grant from the Partnership Programme for Water and Development. The overall objective of the PhD training and research is to collaboratively develop a health risk impact framework to support Water, sanitation and hygiene (WASH) decision-making and provision in refugee settlements in Uganda and Bangladesh. A risk-based approach using tools such SaniPath, Sanitation Safety Planning (SSP), and Quantitative microbial risk assessment (QMRA) will be used to quantify the health and environmental risks from different transmission pathways.

PhD Focus

You will quantify the health risks from different transmission pathways relating to faecal-oral contamination within refugee communities in Uganda (Imvepi) and Bangladesh (Cox's Bazar) based on behavioral surveys and collecting and analyzing samples for E. coli (indicator of faecal contamination). The approach will be based on SaniPath, and will lead to identification which of the pathways of exposure to fecal contamination pose the greatest health risk, which is critical information for WASH decision making refugee settlements.

We need applicants with:

- 1) A higher education degree equivalent to a European MSc Degree (minimum average mark B+ or GPA 3/4)
- 2) An academic background in Public Health, Environmental Engineering, Environmental Science, Sanitation
- 3) An academic level of English language in both speaking and writing is essential
- 4) Strong academic research and scientific writing skills
- 5) Experience with both social and physical science methods, and participatory approaches
- 6) An understanding of sanitation issues in humanitarian contexts and risk assessment frameworks
- 7) Good experience in laboratory analysis of environmental samples using different methods and tools such as Sanipath, SSP and QMRA
- 8) Affinity to/experience of field-work, working in humanitarian contexts and with refugee communities
- 9) Affinity to/experience with working in other countries and cultures

We offer:

- 1) A 4-year fully funded position at the Makerere University School of Public Health (MakSPH), Kampala, Uganda
- 2) Field work in Uganda and Bangladesh
- 3) The opportunity to develop and graduate as a researcher, supported by a vibrant international community of researchers at the MakSPH, IHE Delft and stakeholders linked to the RISK-WASH project

How to apply

Applications should consist of the following:

- 1) A **cover letter** explaining your capability and motivation for undertaking the PhD research project (maximum 2 pages);
- 2) A **resume**, including full higher education and occupational trajectory (maximum 3 pages);
- 3) A **concept note** on how you would design the research project (maximum 1 page); and
- 4) Certified **academic certificates** and transcripts.

Female candidates and those from underrepresented groups are encouraged to apply.

Applications should be sent to:

Dr. Richard K. Mugambe:

✉ rmugambe@musph.ac.ug

Dr. John Bosco Isunju:

✉ isunju@musph.ac.ug

Dr. John C. Ssempebwa:

✉ jssempe@musph.ac.ug

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APPLICATION
Deadline
28th
January 2023



INTERVIEW
Date
16th
February 2023



STARTING
Date
ASAP