

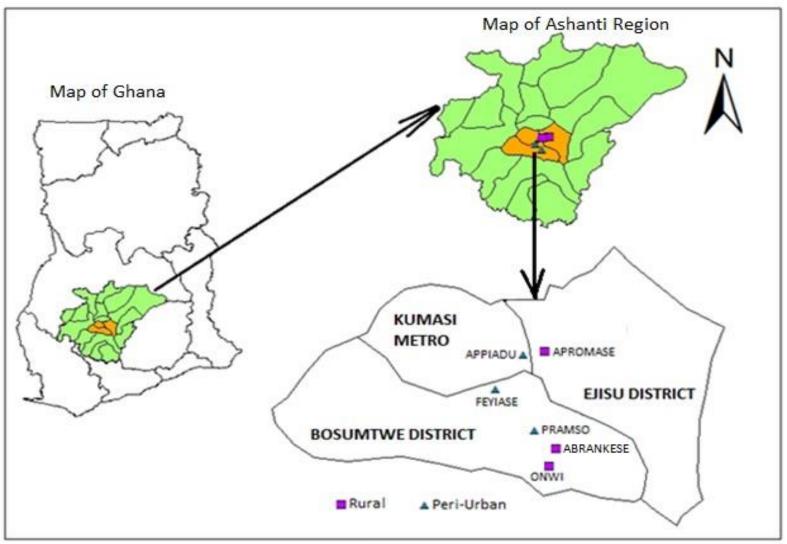


HEAVY METALS AND MICROBIAL LOADS IN RAW FAECAL SLUDGE FROM LOW INCOME AREAS OF ASHANTI REGION OF GHANA

Eugene Appiah-Effah, Kwabena Biritwum Nyarko, Eric Ofosu Antwi and Esi Awuah

STUDY AREA







INTRODUCTION

85% of the Ghanaian population served with onsite sanitation systems

Public/Communal toilets usage, 53% (KVIP: 42%, Pit latrine: 11%)

Unregulated disposal of faecal sludge can cause nuisance and serious

health impacts





EXAMPLES OF PUBLIC TOILETS IN RURAL AND PERI-URBAN AREAS









RESEARCH QUESTIONS



- Determine the concentration of heavy metal constituents
- Determine the microbial constituents



CONCLUSIONS



- Levels of heavy metals and microbial quantities were generally higher in peri-urban compared to rural areas although both exceeded the Ghana EPA maximum permissible limits
- Knowledge on characteristics of FS useful for the design of an appropriate treatment facility.



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Further Information, Contributions and Questions
See Poster

appiaheffah@yahoo.com/appiaheffah@gmail.com



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