

Journal Papers

Addico, G. N. D. and deGraft-Johnson, K. A. A. (2015) Investigation into the chemical composition of the invasive *Sargassum* along the west coast of Ghana, *African Journal of Biotechnology*.

Agbeko, E., Attipoe, F. K. Y. and Mensah, E. T. D. (2015) Comparative growth study of locally manufactured commercial fish diet on growth of Nile Tilapia in cages (In-print).

Agbeko, E., Wiafe, G., Nunoo, F. K. E. and Amisigo, B. A. (2015) Anthropogenic effects on Veve Reservoir fisheries management in the Volta Basin of Sub-Saharan Africa, *Journal of Ghana Science Association*.

Akongyuure, D. N., Agbeko, E. and Abarike, E. D. (2015) Preliminary study on growth of mixed sex Nile Tilapia (Akosombo Strain) in a reservoir-based fish cage in Ghana, *International Journal of Farming and Allied Sciences*. Vol., 4 (1): 13-18

Akrong, M. O., Ampofo, J. A., Banu, R. A. and Danso, S. K. A. (2015) Assessment of bacteria and heavy metals contamination in lettuce at farm gate and market in the Accra Metropolis, *British Microbiology Research Journal*, 5 (7)226-234, 2015.

Amisigo, B., McCluskey, A. and Swanson, R. (2015) Modeling impact of climate change on water resources and agriculture demand in the Volta Basin and other basin systems in Ghana, *Sustainability* 2015, 7(6), 6957-6975; doi:10.3390/su7066957.

Anechana, R., Noye, R. M., Menyeh, A., Manu, E. and Okrah, C. (2015) Electromagnetic method and vertical electrical sounding for groundwater potential assessment of Kintampo North Municipality of Ghana, *Journal of Environment and Earth Sciences*, Vol. 5, No. 12, pp 9-16, ISBN: 2224-3216.

Ansa, E. D. O., Andoh, A. H., Nienu, P., Banu, R., Akrong, M., Acheampong, M. A. and Adiyiah, J. (2015) Sunlight inactivation of faecal coliforms in domestic wastewater, *Desalination and Water Treatment*, DOI: 10.1080/19443994.2015.1063010

Ansa, E. D. O., Awuah, E., Andoh, A., Banu, R., Dorgbetor, W. H. K., Lubberding, H. J. and Gijzen, H. J. (2015) A review of the mechanisms of faecal coliform removal from algal and duckweed waste stabilization pond system, *American Journal of Environmental Sciences*, DOI: 10.3844/ajessp.2015

Awotwi, A., Kumi, M., Jansson, P. E., Yeboah, F. and Nti, I. K. (2015) Predicting hydrological response to climate change in the White Volta catchment, West Africa, *J Earth Sci Clim Change* 6: 249.
doi:10.4172/2157-7617.1000249.

Baidoo, K., Abobi, S. M., Agbeko, E. (2015) Ecto-parasites infestation of Nile Tilapia (*Oreochromis niloticus*) in concrete ponds in Tamale, Ghana, *International Journal of*

Aquaculture, Vol.5, No.4 1-5 Basu, N., Clarke, E., Clays-Tagoe, B., Chan, L., Dzodzomenyo, M., Fobil, J., Long, R. N., Neitzel, R., Obiri, S., Odei, E., Ovadje, L., Quansah, R., Rajae, M. and Wilson, M. (2015) Integrated assessment of artisanal and small-scale gold mining in Ghana – Part 1: Human health review, *Int. J. Environ. Res. Public Health*. 12, 5143-5176.

Bekoe, E. O., Andah, W. E. I., Logah, F. and Balana, B. B. (2015) Water-Food-Energy nexus and hydropower development (In Press)

Clottey, M. N. K., Asmah, R., Ofori-Danson, P. K., Ameworwor, M. Y. and Karikari, A. Y. (2015) Impacts of cage culture on water quality and bacterial loads: A case study of the Volta Lake, Ghana (In press).

Cobbina, S. J., Duwiejuah, A. B., Quansah, R., Obiri, S. and Bakobie, N. (2015) Comparative assessment of heavy metals in drinking water sources in two small-scale mining communities in Northern Ghana, *Int. J. Environ. Res. Public Health*. 12, 10620 – 10634.

Dankwa, H. R., Quarcoopome, T., Owiredu, S. and Amedorme, E. (2015) State of fish and fisheries of Fosu Lagoon, Ghana, *International Journal of Fisheries and Aquatic Studies* (In press)

Gorka, L. and Bekoe, E. O. (2015) Estimation of reference evapotranspiration (ET₀) for Ghana using artificial intelligence based models (ANNs and GEPs), and ancillary/external approaches (In Press)

Hut, R., Amisigo, B. A., Steele-Dunne, S. and van de Giesen, N. (2015) Reduction of used memory ensemble kalman filtering (RumEnKF): A data assimilation scheme for memory intensive, high performance computing, *Advances in Water Resources*, doi: 10.1016/j.advwatres.2015.09.007

Kumi, M., Agbeko, E., Quarcoo, G., Kwarfo-Apegyah, K., Abdul-Latif, S. and Adu-Boakye, E. (2015) Environmental impact of cage fish culture in small reservoirs: The case of water quality in Busa and Sing community reservoirs in Upper West Region of Ghana, *Journal of Ghana Science Association*.

Landrigan, P. J., Sly, J. L., Ruchirawat, M., Silva, E. R., Huo, X., Diaz-Barriga, F., Zar, H., King, M., Ha, E-H., Asante, K. A., Ahanchian, H. and Sly, P. D. (2015) Health consequences of environmental exposures: health consequences of environmental exposures: Changing global patterns of exposure and disease, *Annals of Global Health Journal*.

Quainoo, A. K., Konadu, A. and Kumi, M. (2015) The potential of shea nut shells in phytoremediation of heavy metals in contaminated soil using lettuce (*Lactuca sativa*) as a test crop, *J Bioremed Biodeg* 5: 268. doi:10.4172/2155-6199.1000268.

Rajae, M., Obiri, S., Allyson, G., Long, R. N., Cobbina, S. J., Nartey, V., Buck, D., Antwi, E. and Basu, N. (2015) Integrated assessment of artisanal and small-scale gold mining in Ghana – Part 2: Natural sciences review, *Int. J. Environ. Res. Public Health*. 12, 8971 – 9011.

Obiri-Nyarko, F., Kwiatkowska-Malina, J., Malina, G., Kasela, T. (2015). Geochemical modelling for predicting the long-term performance of zeolite-PRB to treat lead contaminated groundwater, *Journal of Contaminant Hydrology*, 177: 76-84.

Obiri-Nyarko, F., Kwiatkowska-Malina, J., Kasela, T. (2015). Screening reactive materials for permeable barriers to treat benzene and lead contaminated groundwater, *Water Science and Technology: Water Supply*, 15: 632-641.