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Lecturer

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Peter Akoll is an Aquatic Ecologist, with teaching and research experience in Aquatic microbiology, Parasitology, Aquatic Animal Health mainly Fish diseases, and Limnology. He has an MSc in Environment Sciences with specialisation in Limnology and Wetland ecosystems (UNESCO-IHE, Institute for Water Education, Delft) and a PhD in Aquatic Parasitology (University of Vienna). He has also received specialised training related to in Aquatic Animal Health including Aquatic Risk Analysis (FAO); Aquatic Disease Diagnostics and Control (University of Kasetsart, Thailand) and Fish Pathology (University of Bologna, Italy). His research activities focuses on understanding biological interactions especially host–pathogen relationships and the influence of the environmental conditions on the aquatic disease epidemiology including response of (a) aquatic pathogens’ (bacteria and parasites) diversity, distribution and population dynamics (b) pathogenicity or virulence and host susceptibility to climate/environmental change and variability and (c) developing rapid diagnostic tools. Following his research activities, Peter has drafted a Fish Health Management guide for Uganda and coordinates fish farmers’ trainings in fish health management and monitors the implementation of Aquatic Biosecurity system. He is also involved in improving training approaches in Higher Education Institutions to increase the response of academia to rapidly emerging and re-emerging challenges faced in aquatic ecosystems.

Some peer reviewed publications

- Steigen A, Nylund A, Karlsbakk E., **Akoll P.**, Fiksdal I.U., Nylund S., Odong R., Plarre H., Semyalo R., Skar C. and Watanabe K (2013) ‘Cand. Actinochlamydia clariae’ gen. nov., sp. nov., a Unique Intracellular Bacterium Causing Epitheliocystis in Catfish (*Clarias gariepinus*) in Uganda. *PLOS ONE*, 8(6): e66840.
- Akoll P.** Konecny R., Mwanja W.W. and Schiemer F. (2012) Risk assessment of parasitic helminths on cultured Nile tilapia (*Oreochromis niloticus*, L.). *Aquaculture* 356-357: 123–127
- Akoll P.** and Mwanja W.W. (2012): Fish health status, research and management in East Africa: past and present. *African Journal of Aquatic Science*, 37(2): 117-129.
- Akoll P.**, Mwanja W.W. Fioravanti M.L., Konecny R. and Schiemer F. (2012) Infection dynamics of *Cichlidogyrus tilapiae* and *C. sclerosus* (Monogenea, Ancyrocephalinae) in Nile tilapia (*Oreochromis niloticus* L.) from Uganda. *Journal of Helminthology*, 86: 302–310.
- Akoll P.**, Konecny R., Mwanja W.W. and Schiemer F. (2012) Infection patterns of Nile tilapia (*Oreochromis niloticus*, L.) by two helminth species with contrasting life styles. *Parasitology Research*, 110: 1461–1472
- Akoll P.**, Konecny R., Fioravanti M.L., Mwanja M. W., Nattabi J., Agoe C. and Scheimer F. (2012) Parasite fauna of farmed Nile tilapia (*Oreochromis niloticus* L.) and African catfish (*Clarias gariepinus*) in Uganda. *Parasitology Research*, 110: 315–323
- Florio D., Gustinelli A., Caffara M., Turci F., Quaglio F., Konecny R., Nikowitz T, Wathuta E.M., Magana A., Otachi E.O., Matolla G.K., Warugu H.W., Liti D., Mbaluka R., Thiga B., Munguti J., **Akoll P.**, Mwanja W.W., Asaminew K., Tadesse Z., Fioravanti M.L. (2009) Veterinary and public health aspects in tilapia (*Oreochromis niloticus niloticus*) aquaculture in Kenya, Uganda and Ethiopia. *Ittiopatologia*, 6: 51-93.

Some Grants and Projects Awarded

1. Strengthening regional capacity in research and training in fisheries and aquaculture for improved food security and livelihoods in Eastern Africa - STRECAFISH. (**APPEAR**) 2015
2. Enhance adoption and productivity of commercial Agriculture within the Lake Victoria Basin through Agro–Enterprise–Mix (**NARO**) (2014).
3. Enhancing food crop and fish productivity through integration of aquaculture and irrigated agriculture - IAIA (**South Initiatives fund from VLIR-UOS**). (2012)
4. Investigation of pathogenic bacteria diversity and contribution to the development of rapid diagnostics in catfish hatcheries in Uganda (**Africa Biosciences Challenge Fund from BecA-ILRI Hub**) (2012).