**CURRICULUM VITAE**

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**Daniel Adjei-Boateng**

Associate Professor

Department of Fisheries & Watershed Management

Faculty of Renewable Natural Resources

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<https://webapps.knust.edu.gh/staff/dirsearch/profile/summary/766900018ede.html>

<https://scholar.google.com/citations?hl=en&user=5eaI_esAAAAJ>

**EDUCATION**

PhD. 2011. Zoology (Trinity College Dublin, Ireland)

MSc. 2003. Aquaculture (University of Gent, Belgium)

BSc. 2000. Natural Resources Management (KNUST, Kumasi, Ghana)

**WORK EXPERIENCE**

* Associate Professor, Department of Fisheries and Watershed Management(2017-date)
* Head, Department of Fisheries and Watershed Management (Aug. 2014 to Jul. 2016)
* Senior Lecturer, Dept. of Fisheries & Watershed Management (Oct. 2011 to Jul 2017)
* Lecturer, Dept. of Fisheries & Watershed Management, (2005 – Sep. 2011)

**PROFESSIONAL EXPERIENCE AND INTERESTS:**

* Coordinating interdisciplinary project teams
* Tilapia and catfish hatchery and production management,
* Fish nutrition using agro-by-products to formulate feed for tilapia
* Tilapia production in small cages in reservoirs and impoundments
* Curriculum development for undergraduate and postgraduate programmes

**MANAGERIAL SKILLS**

1. **Chair**, Quality Assurance and Planning Committee for the College of Agriculture and Natural Resources, KNUST, Aug. 2020 – to date
2. **Project Coordinator,** Danida funded project on **“Improving the productivity of Aquaculture in Ghana” (**DFC file no. 16-18-GHA, April 2019 –2022). A four-year project to improve tilapia pond culture and develop the hatchery and larviculture of *Heterotis nilocus* with DTU Aqua **(6 Million DKK**)
3. **Co-Principal Investigator**, Direct Aid Programme (2016-2017) - “Cage Aquaculture in Northern Ghana: Enhancing food security and livelihoods” **59,740 AUD**
4. **Sustainability Team Lead** , KNUST team on ‘Enhancing Entrepreneurship, Innovation and Sustainability in Higher Education in Africa (ERASMUS + project). Redesigning the BSc. Aquaculture and Water Resources Management programme to make students more employable; member of consortium of five universities from Ghana/ Tanzania and Denmark.
5. **Project Manager,** Danida funded project on **“Sustainable fish feed development in Ghana” (**DFC file no. 13-P01-GHA, April 2014 –2017). A four-year project that developed feeds for tilapia from locally available ingredients with DTU Aqua. **(5 Million DKK)**
6. **Investigator,** USAID/ AquaFish Innovation Lab Project **“**Optimizing the Use of Commercial Feeds in Semi-Intensive Pond Production of Tilapia in Ghana; From Nursery to Grow-out” **100,000 USD**.

1. **Co-Principal Investigator,** BSUII KNUST **“**Improving the quality of farm-made feeds in Tilapia pond culture, Ashanti Region, Ghana” **60,200 DKK**.
2. **Co-Investigator**, BSU EC-GEP Outreach Project (DANIDA), - “Capacity Building within Research Communication, Dissemination and Networking” **600,000 DKK**.
3. **Co-PI, CRSP** (Virginia-Tech and KNUST) project on best management practices on pond water effluent quality on growth of Nile Tilapia (**2011-2012)**

**SELECTED PUBLICATIONS**

1. Afram, F., Agbo, N.W., **Adjei-Boateng, D**., Egna, H. **(2021).** Effects of Feeding Strategies on Growth Performance and Economic Returns on The Production of Nile Tilapia (Oreochromis niloticus) in Fertilized Ponds. *Aquaculture Studies.*http://doi.org/10.4194/2618-6381-v21\_2\_03
2. Duodu, C.P., **Adjei-Boateng, D**., Amponsah, A.K., Andrews, P., Obirikorang, K.A. **(2020).** The effect of plant protein-based diets on apparent nutrient digestibility, growth response, egesta quantity, postprandial ammonia excretion rate and serum quality of Nile tilapia. *Aquaculture Research* 52, 1152-1161 <https://doi.org/10.1111/are.14464>
3. Obirikorang, K. A., Agbo, N. W., Obirikorang, C., **Adjei-Boateng, D**., Ahiave, S. E., and Skov, P. V. **(2019**). Effect of flow rates on growth and welfare of Nile Tilapia (*Oreochromis niloticus*) reared in recirculation aquaculture system. *Aquaculture Nutrition.* DOI:10.1007/s10499-019-00342-0
4. Duodu, C. P., Edziyie, R., Agbo, N. W., **Adjei-Boateng, D.,** Skov, P. **(2018).** Groundnut and cottonseed meals in tilapia juvenile diets: Effects on apparent nutrient digestibility, short-term growth performance, feed utilisation and carcass composition. Fisheries and Aquaculture Journal. DOI: 10.4172/2150-3508.1000259
5. Duodu, C. P., **Adjei-Boateng, D**., Edziyie, R., Agbo, N. W., Owusu-Boateng, G., Larsen, B. K., Skov, V. P**. (2018**). Processing techniques of selected oilseed by-products of potential use in animal feed: Effects on proximate nutrient composition, amino acid profile and antinutrients. Animal Nutrition 4, 442-451
6. Verner-Jeffrets, D. W., Wallis, T. J., Cano-Cejas, I., Ryder, D., Haydon, D. J. Domazoro, J. F., Dontwi J., Fields, T. R**., Adjei-Boateng, D**., Wood, G., Bean, T., and Feist, S. W. **(2017).** Streptococcus agalactiae multilocus sequence type 261 is associated with mortalities in the emerging Ghanaian tilapia industry. Journal of Fish Diseases, 1-5. DOI: 10.1111/jfd.12681
7. Skov P., Duodu, P. C. and **Adjei-Boateng, D**. **(2017)**. The Influence of ration size on energetics and nitrogen retention in tilapia (Oreochromis niloticus). Journal Aquaculture 473, 121-127
8. Obirikorang, K.A., Amisah, S., Agbo, N.W., **Adjei-Boateng, D.**, Adjei, N.G. and Skov, P.V. (**2015**) Evaluation of Locally-available Agro-industrial Byproducts as Partial Replacements to Fishmeal in Diets for Nile Tilapia (*Oreochromis nilotius*) Production in Ghana. *Journal of Animal Nutrition*, 1(1): 1-9