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RESEARCH

Interests	My areas of research interest include water resources management Impacts of anthropogenic perturbations on aquatic environments and biota · in particul...~more
Areas	Aquatic Science · Ecology · Global and Planetary Change · Health, Toxicology and Mutagenesis · Horticulture · Business and International Management

RESEARCH SUMMARY

60	1,160	19	39	1.90	18%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 60 publications listed below, 2000–2026. Field-weighted impact is the mean over the 40 works scored for it; 1.00 is the world average for works of the same field, type and year. 7 of the 40 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 59

1. Stephen Yaw Opoku, Victor Rex Barnes, Finn Plauborg, Francis Kwame Padi, **Steve Amisah**, Daniel Dompreh, John Tennyson Afele, Joseph Anokye, Richard Asante, Emmanuel Gyan Ansah, Maxwell Hene Osei, Olivia Agbenyega, Uffe Jorgensen, Soren Marcus Pedersen, Torsten Rodel Berg (2026). Impact of overhead shade intensity and cocoa variety on the micro-climate and productivity of cocoa farms in two ecological zones of Ghana. *Ecological Frontiers*. https://doi.org/10.1016/j.ecofro.2026.02.015
2. Stephen Gyamfi, Collins Mawutor Bettey, Jedida Osei Bediako, **Steve Amisah**, Kwasi Adu Obirikorang (2026). Responses of air-breathing, anti-predator behaviour and swimming activity to long-term hypoxia acclimation in the African catfish Clarias gariepinus. *Environmental Biology of Fishes*. https://doi.org/10.1007/s10641-026-01844-6
3. Richard Asante, Søren Marcus Pedersen, Torsten Rodel Berg, Olivia Agbenyega, **Steve Amisah**, Victor Rex Barnes, Samuel Ayesu, Stephen Yaw Opoku, John Tennyson Afele, Joseph Anokye (2024). Evaluating the Resilience of the Cocoa Agroecosystem in the Offinso Municipal and Adansi North Districts of Ghana. *Applied Sciences*. https://doi.org/10.3390/app14188170
4. John Tennyson Afele, Olivia Agbenyega, Victor Rex Barnes, **Steve Amisah**, Finn Plauborg, Søren Marcus Pedersen, Torsten Rødel Berg, Joseph Anokye, Stephen Yaw Opoku, Richard Asante, Eunice Nimo, Evans Dawoe (2024). Ghana's Cocoa: Farmers' Perceptions of Climate Change and Its Effect on Yield and Livelihood. *Green and Low-Carbon Economy*. https://doi.org/10.47852/bonviewglce42023218
5. Joseph Anokye, Akwasi Adutwum Abunyewa, Uffe Jørgensen, James Seutra Kaba, Kwame Twum-Ampofo, Evans Dawoe, Victor Rex Barnes, Finn Plauborg, Søren Marcus Pedersen, Torsten Rødel Berg, Olivia Agbenyega, **Steve Amisah**, John Tennyson Afele, Stephen Yaw Opoku, Richard Asante, Jacob Ulzen (2024). Mitigation of greenhouse gas emissions through shade systems and climate-smart soil fertility interventions in cocoa landscapes in the Semi-deciduous ecological zone of Ghana. *Soil Advances*. https://doi.org/10.1016/j.soilad.2024.100001
6. John Tennyson Afele, Olivia Agbenyega, Victor Rex Barnes, **Steve Amisah**, Emmanuel Acheampong, Victor

Owusu, Joseph Anokye, Richard Asante, Stephen Opoku, Ezekiel Laten, Emmanuel Danquah (2023). Understanding and addressing climate change impacts on cocoa farming in Ghana. *Environmental Challenges*. https://doi.org/10.1016/j.envc.2023.100823

7. Anthony Karikari, Ruby Asmah, William Anku, **Steve Amisah**, Telfer Trevor, Ross Lindsay (2021). Assessment of cage fish farm impacts on physico-chemical parameters of the Volta Lake in Ghana. *Journal of Fisheries and Coastal Management*. https://doi.org/10.5455/jfcom.20210303023816
8. Kwasi Adu Obirikorang, Stephen Gyamfi, Maame Esi Goode, **Steve Amisah**, Regina Esi Edziyie, Kwamena Quagrainie, Hillary Egna, Emmanual Frimpong (2020). Effect of soybean meal diets on the growth performance, ammonia excretion rates, gut histology and feed cost of Nile tilapia (Oreochromis niloticus) fry. *Aquaculture Research*. https://doi.org/10.1111/are.14689
9. Anthony Yaw Karikari, Ruby Asmah, William Wilson Anku, **Steve Amisah**, Nelson Wheatson Agbo, Trevor C. Telfer, Lindsay Glenn Ross (2020). Heavy metal concentrations and sediment quality of a cage farm on Lake Volta, Ghana. *Aquaculture Research*. https://doi.org/10.1111/are.14555
10. **S Amisah**, R Edziyie (2017). Assessment of catch, diversity and abundance of ichthyofauna in the Tono Reservoir, Northern Ghana. *International Journal of Fisheries and Aquatic Studies*. https://www.academia.edu/download/92525436/5-4-73-586.pdf
11. Kwasi Adu Obirikorang, **Stephen Amisah**, Peter Vilhelm Skov (2017). Effect of some common West African farm-made feeds on the oxygen consumption and ammonia excretion rates of Nile tilapia,Oreochromis niloticus. *Marine and Freshwater Behaviour and Physiology*. https://doi.org/10.1080/10236244.2017.1363635
12. Daniel N. Akongyuure, **Steve Amisah**, Thomas K. Agyemang (2017). Gillnet selectivity estimates for five commercially important fish species in Tono Reservoir, Northern Ghana. *Lakes & Reservoirs Science Policy and Management for Sustainable Use*. https://doi.org/10.1111/lre.12188
13. DN Akongyuure, **S Amisah**, TK Agyemang, RE Edziyie (2017). Tono Reservoir fishery contribution to poverty reduction among fishers in northern Ghana. *African Journal of Aquatic Science*. https://doi.org/10.2989/16085914.2017.1344120
14. Kwasi Adu Obirikorang, **Steve Amisah**, Nelson Winston Agbo, Daniel Adjei Boateng, Nathaniel Gyasi Adjei, Peter Vilhelm Skov (2016). Evaluation of Locally-available Agroindustrial Byproducts as Partial Replacements to Fishmeal in Diets for Nile Tilapia (Oreochromis niloticus) Production in Ghana. *Journal of Animal Research and Nutrition*. https://doi.org/10.21767/2572-5459.100002
15. Kwasi Adu Obirikorang, **Stephen Amisah**, Peter Vilhelm Skov (2016). Growth Performance, Feed Utilization and Sensory Characteristics of Nile Tilapia, Oreochromis niloticus Fed Diets with High Inclusion Levels of Copra Meal. *Journal of Animal Research and Nutrition*. https://doi.org/10.21767/2572-5459.100018
16. **S Amisah** (2016). Identifying local strains of Oreochromis Niloticus that are adapted to future climate conditions. *Report Submitted to United States Agency for International Development (USAID)*. https://www.academia.edu/download/80808971/13ind01pu_fir_tr1.pdf
17. Gifty Anane-Taabeah, Kwamena Quagrainie, **Steve Amisah** (2015). Assessment of farmed tilapia value chain in Ghana. *Aquaculture International*. https://doi.org/10.1007/s10499-015-9960-1
18. Kwasi Adu Obirikorang, **Stephen Amisah**, Simon Cudjoe Fialor, Peter Vilhelm Skov (2015). Digestibility and postprandial ammonia excretion in Nile tilapia (Oreochromis niloticus) fed diets containing different oilseed by-products. *Aquaculture International*. https://doi.org/10.1007/s10499-015-9881-z
19. Kwasi Adu Obirikorang, **Stephen Amisah**, Simon Cudjoe Fialor, Peter Vilhelm Skov (2015). Effects of dietary inclusions of oilseed meals on physical characteristics and feed intake of diets for the Nile Tilapia, Oreochromis niloticus. *Aquaculture Reports*. https://doi.org/10.1016/j.aqrep.2015.01.002
20. Emmanuel Frimpong, Yaw Ansah, **Stephen Amisah**, Daniel Adjei-Boateng, Nelson Agbo, Hillary Egna (2014). Effects of Two Environmental Best Management Practices on Pond Water and Effluent Quality and Growth of Nile Tilapia, Oreochromis niloticus. *Sustainability*. https://doi.org/10.3390/su6020652
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Chrysichthys nigrodigitatus fingerlings. *Annals of Biological Research*. https://www.researchgate.net/profile/Emmanuel-Frimpong-8/publication/265013395_Effects_of_dietary_protein_levels_on_the_growth_performance_of_clarotid_catfish_Chrysichthys_nigrodigitatus_fingerlings/links/546f52a70cf2d67fc0310c95/Effects-of-dietary-protein-levels-on-the-growth-performance-of-clarotid-catfish-Chrysichthys-nigrodigitatus-fingerlings.pdf

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26. K.A. Obirikorang, **S Amisah**, D Adjei-Boateng (2013). Habitat Description of the Threatened Freshwater Clam, Galatea paradoxa (Born 1778) at the Volta Estuary, Ghana. *Current World Environment*. https://doi.org/10.12944/cwe.8.3.01
27. K.A. Obirikoran, D. Adjei-Boat, H.A. Madkour, **S. Amisah**, F.A. Otchere (2013). Length-Weight Relationship of the Freshwater Clam, Galatea paradoxa (Born 1778) from the Volta Estuary, Ghana. *Pakistan Journal of Biological Sciences*. https://doi.org/10.3923/pjbs.2013.185.189
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29. Samuel Awuah-Nyamekye, **S Amisah** (2012). Environmental Conservation and Preservation of Cultural Heritage: Assets For Tourism Development In The Akyem Abuakwa Traditional Area Of Ghana. *Worldviews: Global Religions, Culture and Ecology*.
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31. NW Agbo, **S Amisah** (2011). Development and diversification of species for aquaculture in Ghana. *Aquanews*. https://www.academia.edu/download/102022138/09ind06pu_development_diversification_.pdf
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33. D. Adjei-Boateng, K. A. Obirikorang, **S. Amisah**, H. A. Madkour, F. A. Otchere (2011). Relationship Between Gonad Maturation and Heavy Metal Accumulation in the Clam, Galatea paradoxa (Born 1778) from the Volta Estuary, Ghana. *Bulletin of Environmental Contamination and Toxicology*. https://doi.org/10.1007/s00128-011-0417-6
34. Hashem A Madkour, Kwasi A Obirikorang, **Steve Amisah**, Fred A Otchere, Daniel Adjei-Boateng (2011). Relationship Between Heavy Metal Concentrations in Bottom Sediments and the Clam, Galatea Paradoxa (Born 1778) from the Volta Estuary, Ghana. *Journal of Environmental Protection*. https://doi.org/10.4236/jep.2011.26083
35. Daniel Adjei-Boateng, Kwasi Adu Obirikorang, **Steve Amisah** (2010). Bioaccumulation of Heavy Metals in the Tissue of the Clam Galatea paradoxa and Sediments from the Volta Estuary, Ghana. *TSpace (University*

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37. Daniel Adjei-Boateng, Bernard Owusu-Appiah, **Stephen Amisah** (2010). Effect of sandy and muddy substrates on the growth and survival of the freshwater clam Galatea paradoxa (Born 1778). *Aquaculture Research*. https://doi.org/10.1111/j.1365-2109.2009.02464.x
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39. **S Amisah**, MA Oteng, JK Ofori (2010). Growth performance of the African catfish,Clarias gariepinus, fed varying inclusion levels ofLeucaena leucocephala leaf meal. *Journal of applied science and environmental management*. https://doi.org/10.4314/jasem.v13i1.55257
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41. K. A. Obirikorang, **S. Amisah**, D. Adjei-Boateng, H. A. Madkour, F. A. Otchere (2010). Mercury Accumulation in the Clam, Galatea paradoxa (Born 1778) at the Volta Estuary, Ghana. *Bulletin of Environmental Contamination and Toxicology*. https://doi.org/10.1007/s00128-010-0125-7
42. Kwamena K. Quagrainie, Charles C. Ngugi, **Stephen Amisah** (2009). Analysis of the use of credit facilities by small-scale fish farmers in Kenya. *Aquaculture International*. https://doi.org/10.1007/s10499-009-9252-8
43. BA Gyampoh, **S Amisah** (2009). Aplicando los conocimientos tradicionales para afrontar el cambio climático en zonas rurales de Ghana. *Unasylva: Revista Internacional de Silvicultura e Industrias Forestales*. https://www.fao.org/4/i0670s/i0670s14.pdf
44. Kwamena K Quagrainie, **Stephen Amisah**, Charles C Ngugi (2009). Aquaculture information sources for small-scale fish farmers: the case of Ghana. *Aquaculture Research*. https://doi.org/10.1111/j.1365-2109.2009.02252.x
45. D Adjei-Boateng, **S Amisah** (2009). Bacteriological contamination of the freshwater clam (Galatea paradoxa) from the Volta estuary, Ghana. *African Journal of Microbiology Research*. https://www.academia.edu/download/3553105/adjei-boateng_et_al_pdf.pdf
46. K. A. Obirikorang, D. Adjei-Boateng, **S. Amisah** (2009). Consumption of the Clam, Galatea paradoxa (Born 1778) in Ghana: Human Health Implications with Reference to Heavy Metals. *Water Quality Exposure and Health*. https://doi.org/10.1007/s12403-009-0018-3
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51. **S Amisah**, D Adjei-Boateng (2008). Effects of bamboo substrate and supplementary feed on growth and production of the African catfish, Clarias gariepinus. *Journal of Applied Sciences and Environmental Management*.

52. BA Gyampoh, **S Amisah** (2008). Water scarcity under a changing climate in Ghana: Options for livelihoods adaptation. *Development*. https://doi.org/10.1057/dev.2008.46

53. BA Gyampoh, **S Amisah** (2007). Adapting watersheds to climate change and variability in West Africa-the case of Offin River basin in Ghana. *Proceedings, Third International Conference on Climate and Water*. https://helda.helsinki.fi/server/api/core/bitstreams/ca412ed4-02c0-4c6c-8fb7-23d9c3872a7b/content#page=205

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Conference papers 1

1. Joseph E. Quansah, Gilbert L. Rochon, Kwamena K. Quagrainie, **Steve Amisah**, Mucai Muchiri, Charles Ngugi (2007). Remote sensing applications for sustainable aquaculture in Africa. https://doi.org/10.1109/igarss.2007.4423034