Joseph Aggrey-Fynn

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RESEARCH

Interests	Fisheries Science · Aquatic Ecology · Aquaculture
Areas	Aquatic Science · Ecology · Global and Planetary Change · Nature and Landscape Conservation · Pollution · Waste Management and Disposal

RESEARCH SUMMARY

40	342	11	11	0.66	5%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 40 publications listed below, 2007–2026. Field-weighted impact is the mean over the 19 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 19 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer/Professor 2002–present
Department of Fisheries and Aquatic Sciences, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

PhD in Natural Sciences (Fisheries Oceanography) 2004–2008
Leibniz Center for Tropical Marine Research, University of Bremen, Bremen, Germany

MSc in Tropical Aquatic Ecology 1999–2001
Leibniz Center for Tropical Marine Research (ZMT), University of Bremen, Bremen, Germany

BSc in Zoology 1994–1998
Department of Zoology, University of Ghana, Accra, Ghana

PUBLICATIONS

Journal articles 36

1. **Joseph Aggrey-Fynn**, A Koomson, Benjamin Nyarko (2026). Mangrove forest degradation can dramatically alter macroinfaunal community composition and functioning. *Marine Ecology Progress Series*. https://www.int-res.com/journals/meps/articles/meps15115
2. Mary Opeyemi Adebote, **Joseph Aggrey-Fynn**, Paul Kojo Mensah (2025). Assessing mercury and lead pollution in the Ankobra estuary due to artisanal mining activities: Implications for water quality and aquatic life. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0325909
3. Geslaine Rafaela Lemos Gonçalves, Curtis Grey, Albert Koomson, **Joseph Aggrey-Fynn**, Benjamin Kofi Nyarko, Bhavani Emma Narayanaswamy (2025). Patterns and implications of plastic accumulation in mangrove ecosystems and sandy beaches in Western and Central regions of Ghana, West Africa. *Environmental Science and Pollution Research*. https://doi.org/10.1007/s11356-025-36359-7
4. **J Aggrey-Fynn**, EA Obodai (2024). Habitat distribution and diet analysis of two sympatric species of Balistes in the Western Gulf of Guinea. *International Journal of Ecology and Environmental Sciences*. https://nieindia.org/Journal/index.php/ijees/article/view/3318

5. Geslaine R.L. Gonçalves, Albert Koomson, **Joseph Aggrey-Fynn**, Benjamin Kofi Nyarko, Bhavani E. Narayanaswamy (2024). Invisible Peril: Assessing microplastic pollution in Ghanaian mangroves. *Marine Pollution Bulletin*. https://doi.org/10.1016/j.marpolbul.2024.117361

6. Michelle Naa Kordei Clottey, **Joseph Aggrey-Fynn**, John Blay, Evans Kwasi Arizi (2024). Stock assessment and reproductive biology of bluespotted seabream Pagrus caeruleostictus (family: Sparidae). *Aquaculture Fish and Fisheries*. https://doi.org/10.1002/aff2.163

7. **Joseph Aggrey-Fynn**, David Siaw Gyimah (2024). Tidal influence on Fish Faunal Distribution and Species Diversity in Kakum Estuary, Ghana. *Momona Ethiopian Journal of Science*. https://doi.org/10.4314/mejs.v16i2.8

8. M. Y. Ameworwor, **J. Aggrey-Fynn**, M. N. K. Clottey (2023). Implications of socio-cultural practices on fisheries management: a case of the bottom-set gillnet fishery in the central region of Ghana. *Ghana Journal of Science*. https://doi.org/10.4314/gjs.v64i1.5

9. **J Aggrey-Fynn** (2021). 4. Growth, Mortality, Sexual Maturity and Exploitation Level of the Golden African Snapper (Lutjanus fulgens, Lutjanidae) in Ghanaian Waters. *West African Journal of Applied Ecology*. https://journals.ug.edu.gh/index.php/wajae/article/view/1500

10. Robin Cook, Emmanuel Acheampong, **Joseph Aggrey-Fynn**, Michael Heath (2021). A fleet based surplus production model that accounts for increases in fishing power with application to two West African pelagic stocks. *Fisheries Research*. https://doi.org/10.1016/j.fishres.2021.106048

11. Theophilus Apenuvor, John Blay, **Joseph Aggreyfynn**, Simon Drafor (2021). Effect of Different Doses of 17 A -Methyltestosterone on Masculinization, Pre-Post Treatment Growth Parameters and Condition Factor of Sarotherodon Melanotheron in Pond System. *Academic Journal of Life Sciences*. https://doi.org/10.32861/ajls.74.56.62

12. **Joseph Aggrey-Fynn**, Divine Worlanyo Hotor (2021). Growth, Mortality and Exploitation Levels of Sphyraena sphyraena (Pisces: Sphyraenidae) and Apsilus fuscus (Pisces: Lutjanidae) in Ghanaian Waters. *European Journal of Environment and Earth Sciences*. https://doi.org/10.24018/ejgeo.2021.2.1.108

13. Michelle Clottey, **Joseph Fynn**, Richard Adade (2021). Habitat Distribution, Relative Abundance and CPUE of three commercially important Seabreams from Ghanaian waters. *Journal of Fisheries and Coastal Management*. https://doi.org/10.5455/jfcom.20210326030452

14. **Joseph Aggrey-Fynn** (2021). Habitat distribution, growth and mortality of giant African cuttlefish Sepia hierredda (Rang, 1835) in Ghana waters. *Journal of Fisheries and Coastal Management*. https://www.researchgate.net/profile/Pearl-Sakyi-Djan/publication/368632584_Habitat_distribution_growth_and_mortality_of_giant_African_cuttlefish_Sepia_hierredda_Rang_1835_in_Ghana_waters/links/682c71f6d1054b0207f0132b/Habitat-distribution-growth-and-mortality-of-giant-African-cuttlefish-Sepia-hierredda-Rang-1835-in-Ghana-waters.pdf

15. Paulina Okpei, **Joseph Aggrey-Fynn**, Isaac Okyere (2020). Growth, mortality, ovarian maturity, and exploitation of the Guinea shrimp, Holthuispenaeopsis atlantica (Balss, 1914) (Decapoda: Dendrobranchiata: Penaeidae) in inshore waters of Ghana, West Africa. *Journal of Crustacean Biology*. https://doi.org/10.1093/jcbiol/ruaa010

16. Eugenia Amador, **Joseph Aggrey-Fynn** (2020). Growth, mortality, sexual maturity and exploitation of the ribbonfish, Trichiurus lepturus (Linnaeus, 1758) (Pisces: Trichiuridae) in Ghanaian waters. *International Journal of Fisheries and Aquatic Studies*. https://doi.org/10.22271/fish.2020.v8.i6b.2366

17. **J Aggrey-Fynn**, Isaac Okyere (2020). Habitat distribution, species composition and size structure of penaeid shrimps (Decapoda: Dendrobranchiata: Penaeidae) in inshore waters of Ghana. *Journal of Fisheries and Coastal Management*. https://www.vliz.be/imisdocs/publications/ocrd/357997.pdf

18. Evans Kwasi Arizi, **Joseph Aggrey-Fynn**, Edward Adzesiwor Obodai (2015). Growth, Mortality and Exploitation Rates of Sarotherodon melanotheron in the Dominli Lagoon of Ghana. *Momona Ethiopian Journal of Science*. https://doi.org/10.4314/mejs.v7i2.8

19. **Joseph Aggrey-Fynn** (2014). How did fisheries resource Balistes capriscus (Teleostei: Balistidae) disappear in coastal waters of Ghana? *Journal of Basic & Applied Sciences*. https://scholar.google.com/scholar?cluster=8229360252148792364&hl=en&oi=scholarr

20. Evans Arizi, Edward Adzesiwor Obodai, **J Aggrey-Fynn** (2014). Reproductive Biology of Sarotherodon melanotheron in the Dominli Lagoon, Ghana.

21. **J Aggrey-Fynn** (2013). 7. Length-Weight Relationships and Food Preference of Two Coastal Marine Fishes, Galeoides decadactylus (Polynemidae) and Sphyraena sphyraena (Sphyraenidae) off Cape Coast, Ghana. *West African Journal of Applied Ecology*. https://journals.ug.edu.gh/index.php/wajae/article/view/920

22. **J Aggrey-Fynn** (2012). 1. Species Diversity and Relative Abundance of Fisheries Resources Found in Beach Seine along the Central Coast of Ghana. *West African Journal of Applied Ecology*. https://journals.ug.edu.gh/index.php/wajae/article/view/808

23. **J Aggrey-Fynn**, I Galyuon, DW Aheto, I Okyere (2011). Assessment of the environmental conditions and benthic macroinvertebrate communities in two coastal lagoons in Ghana. *Annals of Biological Research*. https://www.academia.edu/download/79235170/Assessment_of_the_environmental_conditio20220121-24680-18z0ndx.pdf

24. I Okyere, Denis W Aheto, **J Aggrey-Fynn** (2011). Comparative ecological assessment of biodiversity of fish communities in three coastal wetland systems in Ghana. *European Journal of Experimental Biology*.

25. Isaac Okyere, John Blay, **Joseph Aggrey-Fynn**, Denis Worlanyo Aheto (2011). Composition, Diversity and Food Habits of the Fish Community of a Coastal Wetland in Ghana. *Journal of Environment and Ecology*. https://doi.org/10.5296/jee.v3i1.892

26. Isaac Okyere, John Blay, **Joseph Aggrey-Fynn** (2011). Hydrographic Conditions and the Macrozoobenthos of a Coastal Wetland in Ghana.

27. **J Aggrey-Fynn** (2011). Preliminary studies on Coastal Hydrography of Ghana, from 1974-2004. *First University of Cape Coast and University of Ilorin Joint International Conference in 2009*.

28. EA Obodai, **J Aggrey-Fynn**, R Agbemafle, AA Nimako, MD Nutor (2011). Preliminary studies on copepod infestation of the garfish (,i>Ablennes hians) landed at Elmina harbour, Ghana. *International Journal of Biological and Chemical Sciences*. https://doi.org/10.4314/ijbcs.v5i1.68089

29. DW Aheto, C Asare, E Mensah, **J Aggrey-Fynn** (2011). Rapid Assessment of Anthropogenic Impacts of Exposed Sandy Beaches in Ghana using Ghost Crabs (Ocypode Spp.) as Ecological Indicators. *Momona Ethiopian Journal of Science*. https://doi.org/10.4314/mejs.v3i2.67715

30. **Joseph Aggrey-Fynn** (2011). Saline Water and Agroforestry Systems on Degraded Land: an Evaluation. *International Journal of Ecology and Environmental Sciences*. https://nieindia.org/Journal/index.php/ijees/article/view/9

31. **Joseph Aggrey-Fynn** (2011). Spatio-temporal analysis of two coastal wetland systems in Ghana: Addressing ecosystem vulnerability and implications for fisheries development in the context.... *Archives of*.... https://www.academia.edu/download/95408582/spatiotemporal-analysis-of-two-coastal-wetland-systems-in-ghana-addressing-ecosystem-vulnerability-and-implications-for-.pdf

32. **J Aggrey-Fynn** (2010). Distribution and Growth of Grey Triggerfish, Balistes capriscus (Family: Balistidae), in Western Gulf of Guinea. *West African Journal of Applied Ecology*. https://doi.org/10.4314/wajae.v15i1.49421

33. **J Aggrey-Fynn** (2010). Length-weight relationship and distribution of tympanotonus fuscata (mollusca: potamididae) in Brenu Lagoon, Ghana. *Journal of Ghana Science Association*. https://www.academia.edu/download/118284153/e7e6abda3ff61100db2367b80b2c034c9074.pdf

34. **J Aggrey-Fynn** (2009). 1. Distribution and Growth of Grey Triggerfish, Balistes capriscus (Family: Balistidae), in Western Gulf of Guinea. *West African Journal of Applied Ecology*. https://journals.ug.edu.gh/index.php/wajae/article/view/824

35. **Joseph Aggrey-Fynn** (2009). Climate-data records and reforestation efforts in the Eighteenth and Nineteenth century Coromandel region in Peninsular India. *International Journal of Ecology and Environmental Sciences*. https://researchoutput.csu.edu.au/en/publications/climate-data-records-and-reforestation-efforts-in-the-eighteenth-/

36. **J Aggrey-Fynn** (2007). Comparative studies of trace metals in Lagoon snails, Blackchin tilapia and water in Brenu Lagoon of Ghana. *Journal of Natural Sciences*.

Book chapters 2

1. **J Aggrey-Fynn**, PK Mensah (2021). Heavy metals bioaccumulation in gills and liver of chrysichthys nigrodigitatus from AnkobraEstuary in Ghana. *36th Annual Conference of Fisheries Society of Nigeria*. https://www.researchgate.net/profile/Mary-Adebote/publication/383822593_Heavy_Metals_Bioaccumulation_in_Gills_and_Liver_of_Chrysichthys_nigrodigitatus_from_Ankobra_River_Estuary/links/685210e411be4823fbdf2029/Heavy-Metals-Bioaccumulation-in-Gills-and-Liver-of-Chrysichthys-nigrodigitatus-from-Ankobra-River-Estuary.pdf#page=108
2. **J Aggrey-Fynn** (2016). Pond and Cage Facility Development. *Training Manual on Tilapia Culture*.

Theses 1

1. **Joseph Aggrey-Fynn** (2007). The fishery of Balistes capriscus (Balistidae) in Ghana and possible reasons for its collapse. *Ph. D. Dissertation*. https://webdoc.sub.gwdg.de/ebook/dissts/Bremen/Aggrey2008.pdf

Other publications 1

1. E Kwasi Arizi, **J Aggrey-Fynn** (2024). Growth, Mortality and Exploitation Rates of Sarotherodon melanotheron in the Dominli Lagoon of Ghana.