



Aquaculture Dynamics and Coastal West Africa's Food Security Nexus,

Yaw Mensa Baidoo¹

¹ Ghana Institute of Management and Public Administration (GIMPA)

Published: 21 January 2002 | **Received:** 03 November 2001 | **Accepted:** 22 December 2001

Correspondence: ybaidoo@hotmail.com

DOI: [10.5281/zenodo.18748681](https://doi.org/10.5281/zenodo.18748681)

Author notes

Yaw Mensa Baidoo is affiliated with Ghana Institute of Management and Public Administration (GIMPA) and focuses on Agriculture research in Africa.

Abstract

This study examines the impact of aquaculture development on coastal West Africa's food security in Ghana. A systematic review and meta-analysis approach was employed, synthesizing existing studies focusing on aquaculture development and its effects on coastal West Africa's fisheries and agriculture sectors. The analysis revealed that integrated aquaculture practices significantly enhanced fish production by an average of 20% in targeted regions, contributing to a modest but consistent increase in food security indicators. Integrated aquaculture practices are effective in improving fish productivity and thereby bolstering regional food security. Policy makers should incentivize integrated aquaculture projects for sustainable development and increased food security in coastal West Africa. The empirical specification follows $Y = \beta_{0+\beta}^{-1} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *African, Coastal, Meta-analysis, Aquaculture, Development, Food, Security*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge