



Water Quality and Macrobenenthos in Coastal Shrimp Farming System

By Mateka, Hassan

Book Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Negative environmental impacts of coastal aquaculture to the adjacent ecosystems seem to surpass its benefits and thus, the industry is receiving increasing criticism. This study, sought to determine the relative changes in some water quality variables in the system as direct effect of shrimp farming. Benthic macro-invertebrates were also used as bio-indicators. Overall results showed that culture system did not cause significant and irreversible changes in water quality of the system. Conversely, dominance of opportunistic and pollution-tolerant taxa along the effluent creek was an indication that the system has the potential to cause some environmental stress. Baseline data from the study would create awareness of the public to the potential threats the industry has to nearby ecosystems; it would contribute information for environmental protection and sustainable coastal aquaculture development. Similarly, its data would assist further studies on the environmental impacts, and contribute to the development of a support system for appropriate decision-making and planning for guiding and regulating coastal aquaculture development in Tanzania. | Format: Paperback | Language/Sprache: english | 196 pp.

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