

**THE ENVIRONMENTAL IMPACTS AND ISSUES OF THE COASTAL
AQUACULTURE IN BANGLADESH**

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ABSTRACT

The environmental impacts due to coastal aquaculture in general are well known and numerous studies have been conducted elsewhere. However, very little work has been carried out in Bangladesh. Therefore, this study was conducted to find out the impacts and issues of coastal aquaculture activities in the coastal area of Bangladesh. The major impacts are not only destruction of mangroves, salinity intrusion, losses of biodiversity and agricultural lands, deterioration of coastal aquatic environment, habitat destruction and declination of fishery resources but, also resulted in an unsustainable aquaculture industry. Drastic disease out break and poor pond management caused abandonment of aquaculture ponds. The negative effects of coastal aquaculture on the ecology and socio-economy of Bangladesh are the principle constrains in the management of coastal zone. However, to move Bangladesh toward a more sustainable coastal aquaculture an intensive planning, policy guideline, management strategies, regular monitoring of coastal resources through remote sensing GIS, new project formation, biological treatment, integrated and friendly coastal aquaculture, and environmental impact assessment (EIA) are required.

Key words: Aquaculture, Impact, Coastal Zone, Bangladesh