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Sustainable Aquaculture for a Secure future

Title: Integrating Intensive and Semi-Intensive Culture Systems to Utilize Feeding Waste

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Abstract: In intensive fish culture, fish are generally fed with high protein diets. The nutrient-rich wastes derived from feeding are often directly or indirectly released to the surrounding environment becoming a source of pollution. The wastes from intensive fish culture can be used for culturing filter-feeding fish species such as Nile tilapia (*Oreochromis niloticus*) at low cost. Dual integrated culture systems, namely cage-cum-pond and pen-cum-pond culture systems, have been developed to maximize fish production and profitability from given inputs and to minimize the environmental impact of intensive fish culture.

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