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Improving feeding strategies for shrimp farming using fuzzy logic, based on water quality parameters.

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Abstract

In intensive shrimp farming systems, formulated feed represents the main nutrition source and its adequate management significantly influences the economic feasibility of the farm. Based on that, the present study evaluated two dynamic feeding strategies: fuzzy logic (FL) and mathematical functions (MF). For both strategies, the temperature and dissolved oxygen were modified in a controlled way. A conventional feeding table was the control treatment. The results showed that DO was the parameter that mostly influences the feeding rate (74%)

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