

The role of Integrated Multi Trophic Aquaculture (IMTA) in improvement of water resources efficiency

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Abstract

To establish sustainable aquaculture it is necessary to shift the approach of this industry from traditional to novel operations. New methods do not always contain advanced hardware technologies. “IMTA” is one of the innovate solutions suggested for environmental sustainability (bio mitigative services for improved ecosystem health), economic stability (increases output, lower costs, product diversification, risk reduction, and job creation in disadvantaged communities), and societal acceptability (better management practices, improved regulatory governance, and appreciation of differentiated and safe products). In this paper, “IMTA” is defined and its role in creation responsible aquaculture, as well as improvement of water resources, is mentioned.

Keywords: IMTA, responsible aquaculture, environmental service, efficiency, diversification.

