

Encapsulated Probiotics for Farmed Brackish WaterFish †

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Abstract: In the age of GMOs, pesticides, contaminants, and other anthropogenic practices are moving towards an environmentally sustainable solution. Aquaculture is one of the fastest-growing food sources connected with several challenges. Aquaculture industries are required to produce food with a better state of health and environmentally friendly. The encapsulation of probiotics in the aquatic feed addresses various problems as many probiotic organisms are shown to strengthen immunity, improve growth, survival, and reproduction of many fish species, including brackish water fish. By including certain probiotics as a food additive, the well-being of aquatic organisms can be enhanced. This review summarizes the inclusion of probiotics in an encapsulated form in aquatic feed formulation for enhancing brackish water fish culture.

Keywords: probiotics encapsulation; brackish aquaculture; growth; immunity; reproduction.

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Conflicts of Interest

The authors declare no conflict of interest.