



# Interest in Biofloc (BFT) Technology for Marine shrimp aquaculture

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Personal Aquaculture research Background: The use of rotifers *Brachionus plicatilis* as an alternative live for optimal growth of marine fish larvae.

The objective of this case study research was to provide and compare the nutrient profile of *B.plicatilis* fed with different commercially available culture regimes and different commercially available enrichments in order to provide a detailed data set on the biochemical composition of *B.plicatilis*.

Research was conducted in conjunction with a pilot scale research on offshore egg collection, hatching and larval rearing Atlantic Bluefin tuna (*Thunnus thynnus*) in captivity.

Why the Interest in marine Biofloc technology (BFT) for shrimp aquaculture?

Malta is a small island located in the middle of the Mediterranean Sea, as an island resources such as fresh water and land availability are limited. As described by diverse literature, Biofloc technology is a relatively new emerging tool that promotes sustainable means of aquaculture production, allowing aquaculture production with zero water exchange system. Hence, such technology is an ideal candidate that shall provide new opportunities for the Maltese aquaculture industry to diversify and contribute towards global sustainable development while allowing room for innovation, research cooperation.

