

# **Investigating on the relationship between the yolksac production ontogeny and onset exogenous feeding in marine fish larvae**

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## **Abstract**

One of the most important aquaculture problems is the production of oocytes and therefore a low fertilization rate. Because the high quality of the egg directly affects the production of high quality larvae, it affects the survival rate significantly. The quality of oocyte also plays a significant role in the oocytes eye stage and the onset of exogenous feeding of larvae. Starting exogenous feeding in fish is considered as a period in which consumption of food is possible until larval growth is detectable. This course is a vital step during the development of larvae, which is associated with a high mortality rate in natural populations as well as breeding populations. Therefore in this study yolksac production ontogeny as well as methods for determining the best time to start exogenous feeding is mentioned.

**Keywords:** Aquaculture, eyed egg, external feeding, ontogeny, yolk sac