

# **Barnacles as an indicator macrofouling in marine aquaculture**

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## **Abstract**

Barnacles are one of the most important sticky organisms in marine environments and, by sticking to marine structures, destroy them and cause heavy economic losses. These organisms, in the fouling process, are part of the macrofouling group and are located after microbial biofilm formation in the final stage. In this study, we first introduce the barnacles and then explain the mechanism for establishment them to the marine structures.

**Keywords:** barnacles, macrofouling, marine aquaculture, establishment