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Title: Organic aquaculture

Other Titles: -

Language: Greek

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ISBN: 978-618-228-300-4

Subject: NATURAL SCIENCES AND AGRICULTURAL SCIENCES

Keywords: Organic aquaculture / Aquatic animal organic nutrition / Organic aquaculture legislation / Farmed species / Organic aquaculture certification

Bibliographic Reference: Mente, E. (2025). Organic aquaculture [Monograph]. Kallipos, Open Academic Editions.
<http://dx.doi.org/10.57713/kallipos-1050>

Abstract

Aquaculture should be sustainably expanded in order to ensure food and nutrition security and to meet future challenges with respect to the growing consumer demand for high quality, nutritious and responsibly produced food. Organic aquaculture is a specific production approach reflecting the growing public interest for sustainable utilisation of natural resources. However, there are limited options regarding the available certified organic and, rich in essential nutrients, ingredients, which are essential for the dietary needs of farmed fish. Hence, it is challenging for the feed industry to achieve organic feeds of

equal quality to those of the conventional feeds. Nevertheless, the use of fish trimmings from fisheries with appropriate combinations and moderate inclusion with other alternative innovative raw materials is proven capable to solve the problem of availability of organic fish feed and also, to promote the circular economy. More in-depth research in organic aquaculture, regarding the production of juveniles, the nutrition and welfare of farmed species and the implementation of interventions, can potentially increase productivity and simultaneously respect the objectives, principles and standards of organic aquaculture.

