

A new approach to seafood processing and technology in cage culture system

Issa Bahramizadeh^{1*}, Delara Sepehrfar² Mohammad Sudagar³

1, 2-Ph.D. Student, Faculty of Natural Resources, Gorgan University of Agricultural Sciences and Natural Resources.

3-Associate Professor, Department of Fisheries, Faculty of Natural Resources, Gorgan University of Agricultural Sciences and Natural Resources.

*Corresponding author e mail:Issabahramy@yahoo.com

Abstract

The demand for aquaculture around the world is increasing. In Iran, due to the lack of access of people from non-coastal provinces to coastal areas and fishing ports, fish and other products were not part of their table items. Due to the rapid growth of population awareness and increased information dissemination about the properties of fish protein and the consumption of by-products of fishery products in the food table is expanding. Over the past several centuries, fishing from the sea has been the source of the need for fish and water for the people of the world. Because of the time and pressure of the hunt, as well as various contaminations, global fishing did not manage to feed human beings, and aquaculture in various systems has managed to grow rapidly in various productions in the past few decades. It reaches even the other protein producing sectors. Aquaculture development can play an important role in providing people's nutritional health. "Cage culture" is one of the most effective measures for the development of aquatic resources and the supply of marine protein consumed by the human community. Marine cage production can feed many industries, including canning, fish pudding, packaging, filing and other processed forms, and maximize the productivity of these industries. This method can, in addition to job creation, access to offshore (non-coastal) and undeveloped areas for aquaculture, the formation of the aquifer market in these areas, increased water use per capita in the country, and the promotion of the fisheries industry to boost the country's economy.

Keywords: Cage culture, seafood processing and technology, Aquaculture, Food security.