



An overview of fish zoonotic diseases, control and prevention

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Abstract:

The disease has caused many problems in the aquaculture industry around the world. In particular, aquatic zoonotic diseases can pose widespread risks to human societies. The most important causes of zoonotic diseases in fish are bacteria, viruses and parasites. This study is pointing to the types of fish zoonotic diseases in Iran and the world and the ways of their's control and prevention. The present article is a review article obtained by researching related articles in this field. With the world's growing population and growing interest in the aquaculture and fish global trade, the risk of developing zoonotic diseases in the environment and public health is developing. According to searches, the most bacterial zoonotic agents include Mycobacterium, Erysipelothrix, Campylobacter, Aeromonas, Vibrio, Edwardsiella, Escherichia, Salmonella, Klebsiella, Pseudomonas and Streptococcus, Virus zoonotic agents also include herpes virus and parasitic agents include Diphyllbothriasis, Anisakiasis, Dictyophymiasis, trematodes and nematodes infections. According to people insufficient recognition about some common microorganisms between humans and animals, studying and research is necessary in this case and knowing of controlling and preventing them helps human health.

Keywords: Zoonotic diseases, Fish, Control, Bacteria, Virus, Parasites