

## **Review Article**

# **Food Safety and Quality: The Booming of Global Aquaculture and Veterinary Drugs Residues in Cultured Seafood Products**

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## **Abstract**

Aquaculture is the first and rapidly booming green food producing industry in the world and globally accounting nearly half of all seafood production and produces above 100 million tons of farmed fish and other sea food products. This production is attained by the intervention of input technologies including veterinary drugs and antibiotics for the commercialization and intensification of the culture system and to combat production related diseases, due to this the aquaculture industries globally booms and compete with the natural harvested fishery. However in recent years different countries detect the presence of misused, unsafe food additives and/or forbidden and unapproved veterinary drugs including malachite green, nitrofurans, fluoroquinolones, gentian violet and others in aquaculture harvested eel, frog, tilapia, shrimp, prawns and other aquatic species and their products; those stuffs may be toxic, allergenic or carcinogenic and/or may cause antibiotic confrontation and resistance in pathogens that affect humans, because of this the public health concerns are very high and countries are forced to bane and cull those products and set different law/regulation, regulatory authority, manpower capacitating, laboratory facilities. Beside this aquaculture producing countries should flow good manufacturing and processing procedure, traceability system, bilateral agreements between the aquaculture producer and importer countries and strengthening their importation system. Hence they will save the public health from risk of aquaculture harvested veterinary drug residues of fish and other sea food products.

*Keywords: Aquaculture, fish and other sea food products, public health & veterinary drugs residues*

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