

## The Role of Biosecurity in Sustainable Aquaculture

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**Abstract :** The last three decades of continuing increase in the farming of aquatic animals worldwide placed a biosecurity in a different perspective. An introduction of new countries, technologies, species to aquaculture, increased movement of animals are a few factors the might be associated with biosecurity risks. Most farms depend on trade for various inputs such as broodstock, post-larvae/fingerlings and feed. These inputs represent potential pathways by which pathogens can enter farming operations and create conditions for emergence of new or reoccurrence of diseases and production loses. Farm biosecurity should be considered an essential component of a national aquatic animal biosecurity program and together with adequate import and export controls can lead to the development of successful aquaculture industry as a reliable source of safe seafood product. This presentation would describe some biosecurity management approaches to minimize the negative impact of aquatic diseases on production and preserve the power of antibiotics.

**Keywords :** aquaculture, biosecurity, antibiotics, antibiotics residues

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