

# Biosecurity as a Tool for Sustainability

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## **ABSTRACT:**

Aquaculture is an economic activity and biosecurity and sustainability measures need to be defined to contribute to the profitability of the industry in the long term. Effective biosecurity requires a multilayer approach: international, national and farm levels, each of them have different objectives and actors. Farm level biosecurity has a very broad spectrum of action covering different aspects related to the animal, to the pathogen and the environment. Biosecurity plans are specific to the facility, the species, the endemic and emerging pathogens, culture system etc. Considering the broad spectrum of biosecurity, the presentation will focus only on the importance of epigenetics, both on the positive and negative side and how it can be used to improve farm performance.

## **KEYWORDS:**

Aquaculture, sustainability, diseases, biosecurity, health, profitability.