



Review Article

Aquatic pharmaceuticals and seafood safety: a growing environmental concern

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ABSTRACT

The article delves into the repercussions of pharmaceuticals on the well-being of aquatic ecosystems and the seafood derived from them. The utilization of pharmaceuticals, notably antibiotics and hormones, in both animal agriculture and human healthcare, has resulted in the widespread presence of these substances in aquatic environments. This article explores the adverse effects of these drugs on aquatic organisms, particularly fish, and their potential to accumulate within the food chain, thereby posing a potential threat to human health. Moreover, the paper assesses the complexities associated with the regulation and surveillance of these substances within environmental contexts and offers recommendations for minimizing their environmental footprint. Ultimately, the article underscores the imperative for heightened awareness and proactive measures to confront the challenge of pharmaceutical contamination in aquatic environments and its implications for seafood safety.

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