



# Aquaculture: Management of environment

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## DESCRIPTION

Aquaculture has been considered as a choice to deal with the globe food demand. However, criticisms have arisen around aquaculture, most of them associated with the destruction of ecosystems like mangrove forest to construct aquaculture farms, in addition because the environmental impacts of the effluents on the receiving ecosystems. The inherent benefits of aquaculture like massive food production and economical profits have led the scientific community to hunt for diverse strategies to reduce the negative impacts, instead of just prohibiting the activity. Aquaculture could be a possible panacea, but at the present is additionally accountable for diverse problems related with the environmental health; however the new strategies proposed during the last decade have proven that it's possible to realize a sustainable aquaculture, but such strategies should be supported and proclaimed by the various federal environmental agencies from all countries. Additionally there's an urgent have to improve legislation and regulation for aquaculture. Only under such scenario, aquaculture is going to be a sustainable practice. Aquaculture, the farming of aquatic organisms, has been the agro industrial activity with the best rate of growth worldwide within the last four decades. Aquaculture development especially in coastal areas, having contributed to economic process and poverty reduction, has also contributed to environmental problems, including deterioration of coastal habitats and other environmental impacts. During the past 20 years, global aquaculture enterprise has succeeded and continues to extend while achieving the critical goals of environmental, economic, and societal sustainability. The subsequent collections of essays that compose this publication are written by a bunch of people who have significantly contributed to special advances and witnessed the positive changes that have resulted. This unique presentation was developed to honor the 50th Anniversary of the globe Aquaculture Society and lots of authors are either Honorary Life Members, Past Presidents, Fellows, or hold over one in every of these recognitions. The Society has held faithful its mission statement of worldwide dissemination of the results of basic and applied aquaculture research designed to extend.

Sustainable global production. The gathering of titles that compose this publication doesn't represent an array of exhaustive reviews of particular areas of investigation and application. Rather, they present opinion, concept, historical perspective, recent developments in several areas of research and their novel application that's contributing the conclusion of the goal of sustainability.

Not all areas recognized as critical components in achieving sustainable aquaculture are included during this publication format thanks to the prohibitive length and extensive effort that may be required to be that all-inclusive. Nonetheless, the essays are a decidedly representative mixture that supply insight and highlight advances which will have vital roles toward decisively achieving the critical goal of sustainable global aquaculture. The goal of sustainable aquaculture is to supply a continued supply of farmed aquatic nutrients beneficial for human sustenance without harming existing ecosystems or exceeding the flexibility of the earth to renew the natural resources required for aquaculture production. However, the pillars of sustainability don't seem to be mutually exclusive and understanding this interface is critical. The justification of 1 pillar over another is conducive to unsustainable aquaculture and consequently has also impeded the event of sustainable aquaculture. When confronted with achieving the balance of the pillars of sustainability, the logical path is to hunt answers to fundamental questions from experts or authority figures who are acquainted with the topic matter specified informed decisions may be made. However, the rationale to focus on research institutions is to emphasize that science could be a methodology for answering questions and understanding complexity and accordingly, humans look to them for objectivity.