

RECIRCULATING AQUACULTURE SYSTEMS (RAS) AND THE ENVIRONMENT INTERACTION

Ramazan Serezli

Izmir Katip Celebi University, Izmir, Turkey

Muhammet Altunok

Izmir Katip Celebi University, Izmir, Turkey

Erkan Can

Tunceli University, Tunceli, Turkey

ABSTRACT

In order to meet the protein needs of the rapidly growing world population, cultivation of aquatic organisms under controlled conditions have been inevitable, so that consisted of aquaculture industry. Initially, starting with the natural environment and improvement of regulation of aquaculture, the use of modern devices nowadays are fully controlled manner. At this point, water uses and closed or recirculating aquaculture production systems (RAS) in order to avoid the risks of the disease was established.

Naturally in the human activities and the production of products or wastes released into the environment is composed of a team. Here's recirculated aquaculture system discussed in this context, water discharge into receiving water discharge and release it in terms of environmental pollution and ecological balance, the most important point to be aware of. In this study, recirculating aquaculture systems are discussed and interacts with the environment has been examined.