



## Advances in Sustainable Aquaculture Production Systems

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### Message from the Guest Editor

Dear Colleagues,

Water is fundamental for all living beings, especially aquatic organisms. However, with the growth of aquaculture production, it will become increasingly necessary to meet the growing demand for healthier food. In this context, and to enable the constant growth of aquaculture production, it is necessary to develop more sustainable and space-efficient production systems that use less water. In this sense, recirculating aquaculture system, aquaponic system, and biofloc technology, among others, are fundamental for more sustainable aquaculture. Furthermore, it is important to evaluate the different management, nutrition, and physiological responses of animals when cultivated in these systems, aiming to maximize water use.

### Research keywords:

- recirculating aquaculture system
- biofloc technology
- aquaponic systems
- production management
- physiological responses





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