



New Challenges in Marine Aquaculture Research

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Message from the Guest Editors

Scientific research was greatly challenged by the COVID-19 pandemic, which pressured research institutes to challenge themselves to give a quick answer to the worldwide humanitarian urgent situation. This unpredictable situation triggered a global energy and food crisis, which elevated the calls to urgently invest in food systems to ensure secure, affordable, healthy and nutritious food for a growing population.

Aquatic products are increasingly recognized as key players in these food systems, representing in 2020 more than 60 percent higher than the average in the 1990s, largely due to increasing aquaculture production. Despite significant progresses in marine aquaculture industry, researchers still face great challenges concerning species diversification, animal growth efficiency, climate changes, alternative sources to fishmeal and oil, safeguard of natural resources and reduction of the environmental footprint.

Therefore, marine aquaculture research is vital and requires an integrated approach to develop and strengthen the aquaculture sector to be able to follow the increasing global demand for aquatic foods.





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Message from the Editor-in-Chief

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