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Algae as Aquafeed Ingredients and Additives for Sustainable Aquaculture

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Deadline for manuscript submissions:
15 June 2024

Message from the Guest Editors

Dear Colleagues,

Aquaculture is the world's fastest-growing food sector and an essential source of protein and essential fatty acids for humans. Aquafeeds over-rely on fishmeal (FM) and fish oil (FO). However, decreasing FMFO supply and increasing costs are concerns for the sustainability and growth of the aquaculture industry. These concerns drive the global search for alternatives. Algae represent a more sustainable alternative because they can be produced in large quantities in nonarable or controlled conditions. They show promise as potential replacements for FMFO and supplements or additives in feeds for aquaculture because of their elevated fatty acids, amino acids, omega-3 fatty acids, carotenoids, vitamins, and β-glucan. Production of microalgae for biofuels and human nutritional supplements has also opened up the economic opportunity to use them in aquafeeds. This is an excellent opportunity to showcase the scientific excellence of using algae in aquafeeds to investigate the growth, feed utilization, physiological activity, stress response, disease resistance, and fillet quality!

Dr. Pallab Sarker
Dr. Faiz Ahmad Ansari
Guest Editors

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Editor-in-Chief

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Message from the Editor-in-Chief

Fishes is a multidisciplinary open access journal focusing on reports of original research and critical reviews and synthesis from the broad area of fishes and aquatic animals. The ultimate objective of *Fishes* is to facilitate the discovery of connections between research areas, advancing science and filling knowledge gaps, and providing solutions for all present and future issues encountered in the sector of fisheries and aquaculture. As Editor-in-Chief, I encourage you to consider *Fishes* for your scientific papers and would be pleased to welcome you as one of our authors.

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