Special Issue

Green Chemistry for Algae Bioactives in Aquaculture Feeds

Message from the Guest Editor

Aquaculture is the youngest, most dynamic industry of protein production. It has been developing at an annual growth rate of more than 6% over the last decade. This growth is due to many factors, including technological breakthroughs and demand-side factors, such as a trend towards healthy, low-fat, high-omega-3-rich protein foods. The efficient use of feed is a key advantage of aquaculture over other protein production methods, allowing farmed fish to compete for price with sources of terrestrial proteins, despite the fact that this industry has a small scale of production and low maturity. Long-term aquaculture could be one of the key solutions to feed our growing world population with a healthier diet, while using fewer of the decreasing resources of the planet. A collaborative effort among NGOs, researchers, and private partnerships to accelerate and support the scaling up of innovative and alternative ingredients in aquaculture feeds, such as algae, is needed to replace wild-caught ingredients. The main goal is to ensure that our common future becomes more sustainable.

Guest Editor

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