



animals



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Novel Feeds Affect Fish Growth Performance and Immunity

Guest Editor:

Dr. Roberta Imperatore

Department of Sciences and
Technologies, University of
Sannio, 82100 Benevento, Italy

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Message from the Guest Editor

The aquaculture industry is one of the fastest growing industries in the food production sector worldwide. This has led to a constant challenge to seek the best fish farming conditions while preserving the environment and creating sustainable aquaculture. Numerous multi-stressor conditions have been found to impact fish health and well-being, such as nutrition, diseases, and water quality. Approved antibiotics and chemotherapeutics are used to address some problems, but these negatively affect the immune system of aquatic animals and are also harmful to global health and the environment. Therefore, researchers are making efforts to find other prevention approaches. This SI aims to understand the real effects of new feed formulations on the growth performance, nutritional status, immunity, microbiota, and oxidative status of fish. Different approaches and techniques can be used to test the use of unconventional feed ingredients, such as plant-based products, algae, bacteria and yeast as single-cell protein, and insect meal, in the aquaculture sector to improve fish health, prevent diseases, and preserve the environment, promoting a more sustainable aquaculture.



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Prof. Dr. Clive J. C. Phillips

Curtin University Sustainable
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University, Kent St., Bentley, WA
6102, Australia

Message from the Editor-in-Chief

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Contact Us

Animals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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