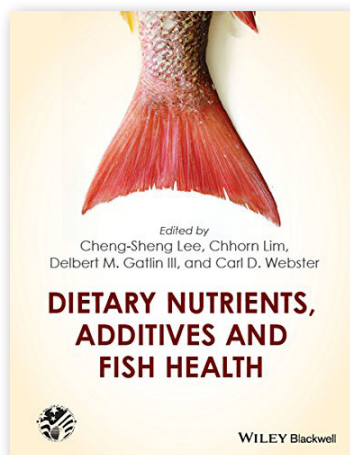


Book Review

Phukphon Munglue



Book name: Dietary Nutrients, Additives, and Fish Health
Authors: Lee, C.-L., Lim, C., Gatlin III, D. M., & Webster, C. D.
Published: Wiley Blackwell, USA, 2015
Paperback: 384 pages
Language: English
ISBN: 978-0-470-96288-6

Fish provide excellent sources of several essential nutrients to support an increasing demand for fish consumption worldwide. Many fish species have been cultivated under intensive operations. However, these practices could generate stressful conditions to cultured fish, which has often been found to be detrimental to growth performance and immune defenses. The use of antibiotics and synthetic agents in fish farms has the potential to produce the emergence and spread of drug-resistant pathogens, environmental pollution, and residues in fish products. Therefore, a variety of feed additives have been tested in the laboratory conditions and many of them have long been used by fish farmers in order to improve growth, hematological parameters, and immune components in fish. In this regard, a book entitled *Dietary Nutrients, Additives, and Fish Health* highlights the current knowledge of various types of feed additives such as prebiotics, probiotics, organic acids and their salts as well as plant extracts in aquaculture production written by expert international contributors.

Additionally, this comprehensive text emphasizes the effects of dietary nutrients, antinutrients, mycotoxins, and nucleotides on the health and welfare of fish. The importance role of the fish immune system and the relationship between feeding practices and fish health are also described in the text. The modes of action produced by the feed additives on biochemical and molecular aspects of the growth performance and immune status of fish are completely discussed. This publication is useful for students, academics, researchers, fish farmers, and fish feed companies.

Reviewer

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