

Special Issue

Lipid Nutrition and Metabolism of Fish

Message from the Guest Editors

Farmed fish have been considered the main source of Omega-3 (n-3) polyunsaturated fatty acids (PUFA) in human diets. The finite nature of fish meal and fish oil as ideal feed resources for farmed fish, and their high price associated with an increasing demand to satisfy growing aquaculture has resulted in many plant alternatives. However, the increase of plant feed ingredients commonly impairs lipid metabolism, fillet quality and the health status of fish. The focus of this Research Topic is on studies that Lipid Nutrition and Metabolism of Fish aimed at reducing the dependence of aquafeeds on fish meal and fish oil while maintaining the balance of lipid metabolism and the nutritional quality of farmed fish. This research topic aims to collect studies that potential topics include, but are not limited to: Application of new lipid and protein sources in aquatic feeds, and their influence on lipid metabolism and fillet quality.

The underlying regulation mechanism of lipid metabolism in teleost.

Application of feed additives and feeding strategies, and their influence on lipid metabolism and fillet quality.

Fillet quality affected by dietary protein and/or lipid sources.

Guest Editors

Dr. Dizhi Xie

Dr. Songlin Li

Dr. Min Jin

Deadline for manuscript submissions

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Life
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
life@mdpi.com

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Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona
Institute of Science and Technology, 08028 Barcelona, Spain

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