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Nutrient Metabolism and Intestinal Health Studies in Aquatic Animals

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Message from the Guest Editors

As aquaculture has continued to expand greatly in global distribution and in the yield of aquatic products, the demand for fish meal and oil has increased. There is a body of evidence suggesting that dietary feed additives are an effective strategy to improve the nutrient metabolism and health of aquatic animals, whereas the underlying mechanisms are still unclear. Therefore, it is necessary for aquatic nutritionists to clarify the mechanisms of diet-induced and intestinal dysfunction and metabolic disorders.<false,>This Special Issue of Metabolites welcomes the submission of original research articles and reviews analyzing rigorously peer-reviewed studies, with scopes including but not limited to the following: 1) investigating the deep mechanisms of these diets and their relationship to liver injury and intestinal function; 2) searching for effective nutritional, endocrinological and molecular regulation strategies in nutrient metabolism and intestinal health to help solve these problems; and 3) using new detection tools and novel data analysis tools for targeted and untargeted metabonomics analysis in aquaculture nutrition and physiology.

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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