



antioxidants



Special Issue Reprint

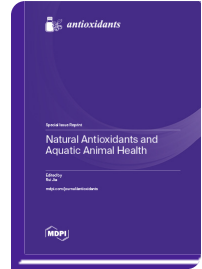
Natural Antioxidants and Aquatic Animal Health

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This Special Issue comprises 12 original research articles focusing on the relationship between antioxidants and the health of aquatic animals. It provides valuable insights into the mechanisms by which aquatic animals respond to oxidative stress and how dietary antioxidants influence their health. Aquatic animals are often exposed to fluctuating environments, which can induce oxidative stress, potentially compromising their health, performance, and productivity. As such, enhancing their oxidative status is crucial for maintaining normal physiological functions. Numerous studies within this Special Issue reveal the beneficial roles of antioxidants, when added to diets, in promoting growth, enhancing antioxidant capabilities, and improving metabolic functions. Antioxidants have also shown potential in mitigating negative environmental impacts and boosting the health of aquatic species. The articles in this Special Issue not only underline the advantages of using antioxidants as dietary supplements but also provide a theoretical foundation for their application in aquaculture. This collection aims to stimulate further scientific investigation into the effects of natural antioxidants on the health of aquatic animals, thereby advancing knowledge and fostering innovation in this field.



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