

Evaluation of the effect of adding garlic (*Allium sativum*) powder on performance growth and immune system of Juvenile (*Acipenser baerii*)

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Effect of different level of *Allium sativum* on growth, hematological, biochemical and some immune system Parameters performance *Acipenser baerii* fingerlings were investigated. 150 fingerling *Acipenser baerii* with average weight of $(30.45 \pm 0.40\text{g})$ were released in fifteen fiberglass tanks without significant difference and fed by five diet) AS0, AS0.5, AS1, AS1.5, AS2) (containing protein:45%, fat:16% and fiber3.5%) for 8 weeks. *Allium sativum* Supplemented were improved fish growth performance and feed efficacy ration. highest of final weight, weight gain, daily growth rate, specific growth rate belonged to fish fed AS 0.5 and AS1 that have significant difference with fish fed control diet (P

Keywords : *Acipenser baerii*, *Allium sativum*, Growth performance, Hematological performance, Biochemical performance , immune system.

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