

عنوان مقاله:

Effect of dietary estradiol- $17\beta$  on growth performance, body composition and blood indices in Stellate sturgeon, *Acipenser stellatus*

محل انتشار:

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خلاصه مقاله:

This study was investigated the effects of dietary estradiol- $17\beta$  ( $E_2$ ) on growth, body composition and blood indices in *Acipenser stellatus*. Fish (40.9 ± 1.1 g average initial weight; n = 60 per group) were fed with three different diets containing 0 (control), 25 and 50 mg kg<sup>-1</sup> dietary estradiol contents to apparent satiation for seven months. The results suggested that growth rate were decreased as the  $E_2$  level was increased. No significant difference was observed in condition factor among dietary treatments. The highest survival rate was observed in fish fed control diet, but was not significantly different among the treatments ( $P > 0.05$ ). Body composition did not show significant changes among dietary treatments. Number of white blood cells and red blood cells, hemoglobin and hematocrit values were significantly decreased as the  $E_2$  levels were raised ( $P$

کلمات کلیدی:

Estradiol, Blood indices, Body Composition, Growth, Stellate sturgeon, *Acipenser stellatus*

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