

عنوان مقاله:

Differences steroid hormones (17,20OH-P and testosterone) between male and female of eighteen-month cultured (beluga sturgeon (*Huso huso*)

محل انتشار:

سومین همایش بین المللی پژوهش های کاربردی در علوم کشاورزی، منابع طبیعی و محیط زیست (سال: 1397)

تعداد صفحات اصل مقاله: 7

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خلاصه مقاله:

The aim of this study was to determine the differences between sex steroid hormones in the males and females 18-month farmed beluga sturgeon (*Huso huso*). The blood samples were derived from 11 female and males (that determined sexuality with small surgery) for measuring 17,20OH-P and testosterone (T). Testosterone and 17,20OH-P level was measured by RIA antisera using Immunotech kit. Plasma testosterone (T) levels were significantly higher in males (2.731.36 ng/ml) than females (0.940.17 ng/ml) (P0.05) and adversely 17,20OH-P levels were significantly higher in females (44.836.88 ng/ml) than males (37.96 1.01 ng/ml) (P0.05). Results of this study showed that sex could be identified by analysis of steroid hormones in such small size (18-month) and therefore blood plasma assumed as simplest, safe and cost-effective tool in sturgeon and may be advantage for beluga culture .because this fish matures extremely late compared to other sturgeon species

کلمات کلیدی:

Sex identification, Cultured beluga sturgeon, Plasma steroid hormones

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