

Evaluation of different stocking density on some biochemical factors of blood serum in cultured great sturgeon juveniles (*Huso Huso* Linnaeus, 1754) in fresh water

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Abstract

Beluga (*Huso huso*) is a suitable species for aquacultural purposes. The present research aimed at the investigation into the effect of stocking density (1250, 2500, 3750, 5000 and 6250 g.m⁻³) on some biochemical factors of blood serum of cultured great sturgeon juvenile with the mean weight of 48.59±8.52 g for a period of 35 days. At the end of the experiment, the results were evident from the significant difference (p<0.05) in total protein, glucose and cholesterol concentration of blood plasma among the treatments with different stocking density. In conclusion, the results of this study highlighted that the different biomass of Beluga juvenile in

rearing tanks had different effects on blood biochemical parameters and this species are lower sensitive in the high stocking density.

Keywords: *Huso huso*, Stocking density, Biochemical Factors of Blood Serum.