

STURGEON BROODSTOCK REARING IN FLOATING CAGES FOR ADAPTABILITY TO CLIMATE CHANGE CONDITIONS

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Abstract

*In the context of global climate change, which influences the availability of water resources for use in aquaculture and agriculture, impacting food production and ensuring food security. Recent studies have reported promising results in fish farms and hatcheries despite the challenges of adopting cost-effective approaches to mitigation and adaptation to climate change in practice. The study aimed to evaluate the adaptation of sturgeon broodstock to climate change conditions, reared in a floating cage. A number of 165 specimens of the species *Acipenser gueldenstaedtii* (Brandt & Ratzenburg, 1833), with an average mass of 1000 g/fish, were reared in a 5x5x3 m cage made of galvanized panels and located in the CM Lunca irrigation canal. At the end of the experimental period, after 45 days, the results showed an individual growth of 800 g and an adequate health status due to the adaptability of this species to the conditions of sturgeon broodstock rearing under climate changes.*

Key words: *Sturgeon, cage, climate change*