

THE MONITORING ENVIRONMENTAL CONDITIONS AND THE HEALTH STATUS OF FISH MATERIAL IN A FISH FARMING – BRĂILA COUNTY

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Abstract

This study aims to analyze the environmental conditions and the health status of the fish material from the fishery arrangement, located in Brăila County. The study was conducted from April 2023 to March 2024 and included measurements of the physico-chemical characteristics of the water, such as temperature, pH, dissolved oxygen, and nutrient concentrations, including nitrogen and phosphorus. The examination of the fish pathology of carp revealed specific lesions of erythrodermata, pale gills, and the presence of myxospordia in one of the examined fish. This research highlights the importance of continuous monitoring of environmental conditions and the health of fish to prevent potential ecological and economic associated with fishery practices. Regardless of the quantitative structure and seasonal diversity, their low values indicate a reduced food source for the fish in this aquatic ecosystem.

Key words: water quality, environmental conditions, fish health