

## **CONTENTS**

<b>WATER BIORESOURCES.....</b>	<b>7</b>
<i>Buzina I.M., Golovan L.V., Chuprina Yu.Yu.</i> Ecological biotechnologies of water ecosystem cleaning.....	7
<i>Yelnikova T.O., Kotsyuba I.G., Gerasimchuk O.L., Skyba G.V.</i> Research of the ecological condition of the Irsha river.....	18
<i>Kovalov M.M., Zvezdun O.M.</i> Growing most common varieties of romaine lettuce on different types of substrates in NFT systems.....	27
<i>Kostousov V.G.</i> Change in the structure of the fish population of lakes depending on the degree of their overgrowing.....	37
 <b>AQUACULTURE.....</b>	 <b>49</b>
<i>Grynevych N.E., Vodianskyi O.M., Khomiak O.A., Svitelskyi M.M., Zharchynska V.S.</i> Monitoring of glycogen content of predatory fish species at the juvenile stage of development due to changes in the temperature and oxygen regime of the reservoir.....	49
<i>Dyudyaeva O.A.</i> The state of the harmonization of Ukrainian legislation with European norms in the field of the production of organic aquaculture .....	62
<i>Oleshko O.A., Bityutsky V.S., Melnychenko O.M., Demchenko O.A., Timoshok N.O.</i> Influence of probiotics and biogenic nanoselans on morphometric and biochemical indicators of Nivk scalp carp.....	86
<i>Fedorenko M.O., Vdovenko N.M., Poplavska O.S., Matiiv I.L.</i> Mechanisms of functioning of Turkey mariculture and directions of their implementation in Ukraine through the development of the coastal territories of the Black Sea.....	101
<i>Tsurkan L.V.</i> Analysis of modern hydrological conditions of wintering of young-of-the-year carp fish.....	114
<i>Shevchenko V.Yu., Kutishchev P.S.</i> Potential possibilities and analysis of fisheries use of Yavkins reservoir.....	127
 <b>HYDROECOLOGY.....</b>	 <b>137</b>
<i>Lyanzberh O.V., Yevtushenko O.T.</i> Assessment of surface water quality by phytoindication method within the urbanized territory of Kherson.....	137
<i>Matviychuk N.G., Matviychuk B.V., Mozharivska I.A.</i> Physico-chemical and bacteriological quality of drinking water from different sources.....	147
<i>Morozov O.V., Morozov V.V., Chaban V.O.</i> Conditions for formation of Ingulet irrigation system fuel water quality and complex measures to improve it.....	160

<b>Pichura V.I., Potravka L.O.</b> Ecological condition of the Dnipro river basin and improvement of the mechanism of organization of nature use on the water catchment territory.....	170
<b>Podakov E.S., Kozychar M.V., Olifirenko V.V.</b> Current problems and legislative provision of regulation of legal frameworks of financing of hydroecological activity.....	201
<b>Skok S.V.</b> Scientific-technological aspects of improving sewage treatment processes within the urbo-system of Kherson.....	216

**METHODS AND TECHNIQUES..... 228**

<b>Bila T.A., Lyashenko E.V., Okhrimenko O.V.</b> Potentiometric method of natural environmental waters pH determination.....	228
<b>Melnychenko S.G., Bohadorova L.M., Markeliuk A.V.</b> Use of static-geographical methods in the study of the ecological condition of water resources of the Kherson region.....	235
<b>Romanchuk M.Ye., Dovhopolyi M.M., Kabak I.S., Pisotskyi Ye.S.</b> Analysis of changes in the chemical composition of water in the basin of the Middle and Lower Dnieper (on the example of the rivers Psel, Khorol and Ingulets).....	247

**HISTORY PAGES.....264**

<b>Bajdak L.A., Dvoretzky A.I., Poleva J.L., Rozhkov V.V.</b> Dnipropetrovsk hydrobiological school. Theory and practice of enrichment of reservoirs with new food organisms for fish. Life and work of professor P.A. Zhuravel (1901–1977) to the 120 <sup>th</sup> anniversary of his birth.....	264
<b>Buchkovska V.I., Ievstafieva Yu.M.</b> To the history of formation of feed base for waterfall birds.....	276