

HYDROBIOLOGICAL JOURNAL

VOLUME 41

CONTENTS FOR 2006

Number 1

<i>A. A. Protasov</i> . Communities of Invertebrates of the Cooling Pond of the Chernobyl Nuclear Power Station. Report 1. Communities of Zooplankton, their Composition and Structure	3
<i>Yu. V. Pligin</i> . Formation and Modern State of Macrozoobenthos of the Kanev Reservoir	22
<i>V. I. Shcherbak & N. N. Korneychuk</i> . Contour Algae Communities of Stones of the Teterev River Downstream of the Town of Zhitomir in Various Seasons	42
<i>Ye. V. Starosila & G. N. Oleynik</i> . Catalase Activity of Bottom Sediments Contaminated by Mineral Nitrogen of Ponds	47
<i>V. A. Medved', N. N. Smirnova, Yu. I. Ivanova & Z. N. Gorbunova</i> . Nitrate Reductase Activity of Macrophytes under Anthropogenic Pollution	57
<i>T. V. Pinkina</i> . Effect of the Ionic Form of Cadmium on Reproduction and Development of <i>Lymnaea stagnalis</i> L.	68
<i>O. B. Stolyar, A. Ye. Mudraya & G. I. Falfushinskaya</i> . The Antioxidant Protection System of Hepatopancreas of <i>Astacus leptodactylus</i> as a Biomarker of Water Pollution with Heavy Metal Ions	75
<i>D. I. Gudkov, S. F. Uzhevskaya, A. B. Nazarov, L. A. Kolodochka, T. N. Dyachenko & N. L. Shevtsova</i> . Lesion in Common Reed by Gall-Producing Arthropods in Water Bodies of the Chernobyl NPP Exclusion Zone	82
<i>O. N. Davydov, L. Ya. Kurovskaya, Yu. D. Temnikhanov & R. Ye. Bazeyev</i> . Ichthyopathological Situation in the Dnieper Reservoirs under Anthropogenic Impact	89
<i>M. I. Kaveshnikov & L. V. Yanygina</i> . A New Model of Sampler for Quantitative Analysis of Riverine Zoobenthos	102
<i>A. D. Vyskushenko</i> . Effects of Copper Sulfate and Zinc Chloride on <i>Lymnaea stagnalis</i> L.	107

Number 2

<i>Ye. V. Pavlova & Ye. B. Melnikova.</i> Changes in the Quantitative Indices of Development of Viable Zooplankton of Sevastopol Bay in 1998–1999 (Crimea, the Black Sea)	3
<i>A. A. Protasov & A. A. Silayeva.</i> Communities of Invertebrates of the Cooling Pond of the Chernobyl Nuclear Power Station. Report 2. Communities of Zooperiphyton, Their Composition and Structure	13
<i>N. V. Denisova & F. B. Shkundina.</i> Assessment of the Degree of Anthropogenic Eutrophication of Floodplain Lakes in terms of Phytoplankton	31
<i>V. I. Shcherbak, L. A. Sirenko & Yu. S. Kuzminchuk.</i> Peculiarities of Phytoplankton Development in the Head and Tail Waters of Lowland Reservoirs (on the Example of the Teterev River)	41
<i>V. M. Sabodash & K. V. Demyanenko.</i> The Current State and Reproduction of Sturgeon Fish Population in the Sea of Azov Basin: A Review	50
<i>M. P. Boytsov & S. V. Sentihcheva.</i> Peculiarities of Natural Reproduction of Fishes and Food Resources in an Unregulated Section of the Volga River	69
<i>A. P. Stadnichenko, G. Ye. Kirichuk, L. D. Ivanenko & A. M. Kirichuk.</i> Effect of Different Concentrations of Cadmium Bromide on Physicochemical Properties of Hemolymph in <i>Planorbarius purpura</i> (Mollusca: Pulmonata: Bulinidae)	79
<i>G. G. Munteanu & V. I. Munteanu.</i> Biomonitoring of Some Heavy Metals in the Dubossary (Dubăsari) Reservoir	87
<i>V. N. Pautova & V. I. Nomokonova.</i> Dynamics of the Chlorophyll <i>a</i> Content in Phytoplankton of the Kuybyshev Reservoir	102
<i>O. V. Pashkova.</i> Structuredness of Aquatic Organisms' Communities as a Basis of Their Existence (a Case Study of Shallow-Water Near-Bottom Zooplankton)	110

Number 3

<i>A. A. Protasov & A. A. Silayeva.</i> Communities of Invertebrates of the Cooling Pond of the Chernobyl NPS. Report 3. Communities of Zoobenthos, Their Composition and Structure	3
<i>G. N. Minayeva.</i> Diversity of Phytoplankton in the Lower Reaches of the Dnieper River	24
<i>A. V. Kureyshevich & V. A. Medved.</i> Assessment of Relationship between the Content of Chlorophyll <i>a</i> and the Content of Phosphorus in the Water of the Dnieper Reservoirs	33

<i>Yu. G. Krot</i> . The Use of Higher Aquatic Plants in Biotechnologies of Surface Water and Wastewater Treatment	44
<i>R. P. Kandyuk</i> . Sterols and Their Functional Role in Mollusks (a Review)	56
<i>V. N. Maksimov & T. V. Parshikova</i> . Influence of Surfactants on the Photosynthetic Activity of Algae	67
<i>D. V. Lukashev</i> . Monitoring of Contamination of the Ecosystem of the Dnieper River within the Town of Kiev by Heavy Metals Using Freshwater Mollusks	77
<i>V. M. Timchenko, O. P. Oksiyuk & O. V. Timchenko</i> . Methodical Aspects of Regulation of Oxygen Conditions in River Sections of Dnieper Reservoirs in Summer (a Case Study of the Kiev Section of the Kanev Reservoir)	89
<i>V. I. Lavrik & V. N. Bogolyubov</i> . Management of the Surface Runoff Quality with the Aid of Mathematical Modeling of Self-Purification Processes	98

Number 4

<i>A. A. Kovalchuk</i> . Ciliata, Other Protozoa, and Micoinvertebrates of Floodplain Water Bodies of the Dnieper Reservoirs	3
<i>O. S. Tarashchuk</i> . Epiphyton Algae Groups of <i>otamogeton crispus</i> L. within the River Section of the Kanev Reservoir	37
<i>N. S. Kostenko, Ye. A. Dikiy & A. A. Zakletskiy</i> . Present-Day State of Macrophytobenthos of Shelf Zones of the Black Sea (Southeastern Crimea)	45
<i>V. I. Yermolayev & L. S. Vizer</i> . Peculiarities of Plankton of Lake Chany (the Western Siberia, Russia)	52
<i>N. I. Kirpenko, V. A. Medved & T. F. Shevchenko</i> . Peculiarities of the Response of Plankton Algae to the Substances Extracted from the Rhizome of <i>Nuphar lutea</i> (L.) Smith	62
<i>N. G. Kosolapova, Z. M. Mylnikova & D. B. Kosolapova</i> . Trophic Structure of a Microbial Community in a Small River	74
<i>V. D. Romanenko, A. I. Sakevich & O. M. Usenko</i> . On the Mechanism of Action of Easily Oxidizable Phenols on Photosynthetic Activity of Algae	82
<i>O. P. Oksiyuk & O. A. Davydov</i> . Principles of Methods for the Assessment of the Ecological Status of Water Bodies using Microphytobenthos	93

Number 5

<i>N. G. Sergeyeva & S. A. Mazlumyan</i> . Meiobenthos of the Northwestern Shelf of the Black Sea in the Vicinity of the Zernov <i>Phyllophora</i> Field	3
--	---

<i>L. V. Shevtsova & A. I. Tsybulskiy. Distribution of <i>Theodoxus fluviatilis</i> L. in the Dniester River and the Influence of the Hydroelectric Power Stations on the Structure of its Population</i>	12
<i>V. I. Shcherbak & N. N. Korneychuk. Influence of Hydrological and Morphological Characteristics of the Teterev River on the Structure of Phytomicroepilithon</i>	25
<i>I. A. Govorin. The Role of Mussels from Biofouling of Coast-Protecting Hydraulic Facilities in Forming of Microbiological Characteristics of the Marine Environment in the Beach Water Area</i>	39
<i>Ye. V. Starosila. New Methods and Directions of Research in Aquatic Microbiology</i>	48
<i>O. B. Mekhed. Accumulation of Herbicides of the 2,4-D Group in Organisms of Carps of Different Ages</i>	57
<i>Yu. N. Khudiyash, V. I. Adonin, A. S. Potrochov & O. G. Zinkovskiy. Teratogenic Effect of N-Oxide Dimethylpyridine on Embryos of Silver Carp, <i>Hypophthalmicus molitrix</i> Valenciennes</i>	63
<i>O. L. Zarubin. Quantitative Characteristics of the Ways of ¹³⁷Cs Influx into the Organism of <i>Cyprinus carpio</i> (L.) and <i>Ictalurus punctatus</i> (Raf.) in the Cooling Pond of the Chernobyl NPS</i>	70
<i>V. M. Timchenko. Ecological Hydrology of Dnieper Reservoirs</i>	76
<i>P. N. Linnik. Effect of Various Factors on Metal Desorption from Bottom Sediments under Conditions of Experimental Simulation</i>	91

Number 6

<i>V. D. Romanenko, D. I. Gudkov, V. G. Klenus, V. V. Belyayev, Ye. N. Volkova, M. I. Kuz'menko, A. Ye. Kaglyan, Z. O. Shirokaya. Hydroecological Lessons of the Disaster at the Chernobyl Nuclear Power Plant</i>	3
<i>V. I. Shcherbak, L. A. Sirenko & Yu. S. Kuzminchuk. Dynamics of Chlorophyll <i>a</i> Content Depending on Phytoplankton Structure (on the Example of the Teterev River)</i>	35
<i>A. V. Kureyshevich. Influence of Biologically Active Exometabolites of Algae on Organic Matter Decomposition</i>	47
<i>L. Ya. Kurovskaya. Effects of Aerosil Sorbent on Physiological and Biochemical Parameters of Carp Yearlings</i>	54
<i>I. V. Grib, N. I. Goncharenko & D. I. Voytyshina. Saponin as a Factor of Mass Fish Mortality in the Rivers of Ukraine</i>	61
<i>T. V. Parshikova & T. Yu. Shchegoleva. Using EHF-Dielectrometry for Estimation of Viability of Some Microalgae at the Presence of Catamine</i>	72

<i>N. I. Kirpenko, V. F. Kovalenko & O. V. Balanda. Effects of the Alkaloid Complex of Nuphar lutea (L.) Smith on the Survival of Carp Underyearlings</i>	85
<i>G. Ye. Kirichuk. Peculiarities of Accumulation of the Ions of Heavy Metals in the Organism of Freshwater Mollusks</i>	93
<i>A. A. Morozova. Main Tendencies for Changes in Water Quality in the Lakes of the Shatsk National Nature Park</i>	104
<i>Contents for 2006</i>	111