CONTENTS

ENVIRONMENTAL MONITORING	7
Mashkov O., Ivashchenko T., Denysenko I. Integration aerospace technology in the control system of environmental safety: analysis of current problems of creation of automated systems integrated strategic environmental assessment, environmental impact assessment, environmental risk assessment	7
Yue Zheng, Sheviakina N.A., Zagorodnia S.A., Kreta D.L., Radchuk I.V. Geoinformation technologies for geoecological monitoring of urbanized water bodies	
ECOLOGY OF WATER RESOURCES	28
Valerko R., Herasymchuk L., Pryhodko A., Soboleva V. Public opinion on the quality of drinking water and the risk to the health of the population in Ukraine	28
Hnedina K. Modern approaches to water resources management and mechanisms of their ecological monitoring: experience of EU countries and Ukraine	
Dzyubenko O. Bioindication studies of aquatic ecosystems within the city of Pereyaslav, Kyiv region	40
Kulikova D.V. Improvement of technology of industrial wastewater treatment the enterprises producing vegetable oils	46
Savenko M., Kryvtsova M., Fedurca O. The influence of anthropogenic pressure on the structure of the microbiocenosis of the Uzh River (Ukraine)	52
Shakhman I., Bystriantseva A. The influence of river water quality on the dynamics of fishing in the Dniester estuary and Kuchurgan reservoir	60
ECOLOGY AND PRODUCTION	65
Valovoi A., Valovoi M., Afanasiev V. Environmental issues and usage of waste – prospects for the development of the mining industry	65
ECOLOGY AND ECONOMICS OF NATURAL RESOURCE USE	71
Ilina V., Chugai A., Soloshych I. Factors of formation of agroecosystems productivity of the Odessa region in the conditions of irrigative agriculture	71
ECOLOGY IN THE HISTORICAL PERSPECTIVE	75
Barshteyn V., Blume Ya. Pages of the history of marine biology and ecology in medallic art.	75
THEORETICAL ECOLOGY	85
Bobrova M., Holodaieva O., Koval S., Movchan S. Features of change of value of indicators of prooxidant-antioxidant system in <i>Elodea canadensis</i> tissues under the influence of hydrosphere polyutants	85
Pykalo S., Demydov O., Yurchenko T., Prokopik N., Kharchenko M., Rybka K. Development of methods for <i>in vitro</i> selection of grain crops genotypes for tolerance to unfavorable environmental factors	90
GENERAL ENVIRONMENTAL SAFETY ISSUES	98
Bosak P. Improving environmental safety in the forests of Ukraine	98
Vasiutynska K. Assessment of urbogenic load on territory and population of regionally important Ukraine cities by emissions from stationary sources of air pollution	102
Hunko S. Characteristics of cadmium migration in artificial biogeocenoses of urbanized terrains of Kamianske	109
Ihnatyshyn V., Ihnatyshyn A., Izsák T., Ihnatyshyn M., Verbytskyi S. Geophysical aspects of the ecological state in the Transcarpathian Inner Trough in 2020	114
Koshelev O., Koshelev V., Kucherenko J., Kopulova T. Noise pollution in the city of Melitopol and ways to reduce it (2017–2018)	121
Tkachuk N.V., Zelena L.B., Mazur P.D. A modern view at some dihydroxybenzoate-capped siderophores: ecological, technical and medical aspects.	134

Shevchenko R. Interpretation of the topography of the tracts of the ecological-attraction destination of the city of Kyiv "Lybid River Basin: Nova Zabudova – Zhylan – Solomyanka"	
WASTE MANAGEMENT	147
Biushkin O. Problematic issues regarding the removal of household waste by institutions, enterprises, organizations within the scope of management of central executive bodies	147
ISSUES OF SUSTAINABLE DEVELOPMENT	
Tiron-Vorobiova N., Romanovska O., Timofieieva V. Sustainable transport financing as a pregnant for updating the transport strategy of Ukraine	152
BIOLOGICAL SAFETY	158
Linkevych O.O. Ecological and biological features of grass peony (<i>Paeonia</i> × <i>hybryda</i> hort.) for introduction in the conditions of Kryvyi Rih	158
Rusyn I., Djachok V. Dependence of bioelectric parameters of electro-biosystems on the area of electrodes	162
CLIMATE CHANGE	165
Rychak N., Kizilova N. Ecological aspects of global climate change on urbanized territories	165
PRESERVATION OF BIOLOGICAL AND LANDSCAPE DIVERSITY	
Ivanets O. The genus <i>Diaptomus</i> Westwood, 1836 (<i>Copepoda</i> : <i>Calanoida</i> : <i>Diaptomidae</i>) in the researches of professor A. Wierzejski in Galicia	171
Krasovsky V. Connection of biomorphological and ecological features <i>Zizyphus jujuba</i> Mill. during vegetative reproduction by shield for example in the conditions of the Forest-Steppe of Ukraine	178
Novak V. Synanthropization of raven Corvus corax in the region Verkhnie Pobuzhzhia	182
DEVELOPMENT OF THE UKRAINIAN NATURE RESERVE FUND	
Fedoniuk V., Ivantsiv V., Fedoniuk M., Pankevych S. Optimization of the structure and recreational use of the nature reserve fund of Lyboml area in Volyn region	
AUTHORS' CREDENTIALS	