
CONTENTS

ECOLOGY AND PRODUCTION	7
Bondar O., Ryzhenko N., Pokhyl Yu. Bioaccumulation (Cd, Pb, Hg) by plants in the Kryvyi Rih iron ore basin (on the example of the «Southern» quarry).....	7
Kulyk M., Pavliuk L., Kozak L. Increasing environmental safety of gas turbine drive of gas pumping units.....	16
ECOLOGY OF WATER RESOURCES	24
Yena M. The impact of anthropogenic pollution on the water resources of the South Bug river basin.....	24
ENVIRONMENTAL MONITORING	27
Valerko R., Herasymchuk L., Kravchuk A. GIS as a tool of controlling the state of uncentralized water supply within communities.....	27
THEORETICAL ECOLOGY	32
Ivanenko I.M., Fedenko Yu.M., Stepanova A.V., Byts O.V. Zinc oxide: structure, properties, methods of obtaining, significance in ecological catalysis. Review.....	32
Pyda S., Kononchuk O., Tryhuba O., Broshchak I., Herts A. The effectiveness of microbiological preparations in bean sowing (<i>Faba bona Medic.</i>).....	38
Tkachuk O., Vradiy O. Balance of nutrients in the soil in the growing of legumins.....	43
Sheludchenko L. Theoretical substantiation of application of cyberphysical system on transport for maintenance of ecologically safe functioning of road infrastructure.....	48
GENERAL PROBLEMS OF ENVIRONMENTAL DEFENSE	52
Hilov V., Sankov P., Poltoratska V., Tkach N. Study of the level of noise pollution from motor vehicles on the roads of the Dnipropetrovs'k region.....	52
Poletayeva L., Safranov T., Zhytkevych Ya. Assessment of noise pollution of urbanized territories from motor vehicles (on the example of the city of Odesa).....	56
Semernia O., Liubynskiy O., Fedorchuk I., Rudnytska Zh., Semernia A. Ecology Security in state of war.....	62
Finin G., Shevchenko R. Cartogeoinformation support of management in the field of environmental safety and implementation of environmental protection programs.....	67
DEVELOPMENT OF THE UKRAINIAN NATURE RESERVE FUND	79
Bondar O. Typological structure of nature protected, scientific, historical and cultural forests of Kremenets district, Ternopil region.....	79
Havrylenko N. Peculiarities of the life cycle of arboreal plants of zoological status in the conditions of irrigated culture of the dendrological park "Askania-Nova".....	84
Dragan N., Boiko N., Doiko N., Pleskach L., Mordatenko I. Age structure of populations of the main parkforming species in phytocenoses of the "Olexandria" dendrological park of the NAS of Ukraine.....	89
PRESERVATION OF BIOLOGICAL AND LANDSCAPE DIVERSITY	96
Bashtovenko O. Scientific approach to the study of representatives of the class oligochaeta.....	96
Glibovytska N.I. The morphological vitality parameters of <i>Trifolium pretense</i> L. under urbanized environment conditions.....	103
Holoborodko K., Kunach O., Sytnyk S., Lovynska V. Influence of heavy metals on the peculiarities of the distribution of invasion leaf blotch miner moths (Lepidoptera, Gracillariidae) in the conditions of Dnipro.....	107
Hunko S. The Research of Geochemical Landscapes Structure of Kamianske City.....	114
Ivanets O. Faunistic characteristics of groups of rotifers (<i>Rotifera: Rotatoria</i>) of the Hlynya Navariya reservoir.....	119

Krasovsky V., Chernyak T., Fed'ko R., Orlovsky O. Investigation of <i>Mespilus germanica</i> L. in the Khorol botanical garden.....	125
Suslova O. Evaluation of the introduction success of <i>Thuja occidentalis</i> L. cultivars and prospects for their use in the north of Ukrainian steppe.....	130
BIOLOGICAL SAFETY	135
Romanenko O. Hydroecological aspects of the trematodiasis agents spreading.....	135
Tkachuk N., Zelena L. Biosafety in the formation of professional competencies of bachelors in the courses “Microbiology and Virology with the basics of Immunology” and “Genetics”.....	141
CLIMATE CHANGE	146
Vasylenko O., Balabak O., Balabak A., Nikitina O. Assessment of adaptation of small-leaved linden (<i>Tilia cordata</i> Mill.) plants to the pollution of urbophytocenoses under conditions of climate changes.....	146
Voloshyna N., Sushko D., Dubinskyi D., Voloshyn O. Adaptive reactions of insects to climate change.....	151
RENEWABLE ENERGY	156
Lopushanska M., Ivanov Ye. Wind energy in Lviv region and problems of recycling unusable wind turbines.....	156
WASTE MANAGEMENT	164
Kucheruk D., Balakina M. The complex treatment of filtration waters of solid municipal waste landfills.....	164
Korol K. Physico-chemical properties of melted snow in landfills of the tourist and recreational complex of Lviv region.....	171
EDUCATION FOR SUSTAINABLE DEVELOPMENT	179
Tiron-Vorobiova N., Kapatsyna I. Innovativeness of the process of teaching the discipline «Occupational health and civil protection»: for seafarers.....	179
AUTHORS' CREDENTIALS	183