
CONTENTS

ECOLOGY AND ECONOMICS OF NATURAL RESOURCE USE	7
Bondar O., Morozova T., Kovhan Ya., Herasymenko M. Ornithofaunistic monitoring of the runa mountain meadow as a component of the environmental justification for wind energy facility placement.....	7
Bogoliubov V., Klepko A., Bondar V. New competencies of future professionals in the context of society's transition to sustainable development.....	13
Kharchenko V., Berezovyi V. Irrational use of the Ros' River as an example of obstacles to the implementation of goal 6 of the sustainable development in Ukraine.....	16
ECOLOGY OF WATER RESOURCES	25
Vasylenko O., Rodionova O. Current hydrochemical state of the Huyva river: ecological safety and risks for water use.....	25
Davybida L. Modeling the water balance components of the Dniester River basin using GIS tools	30
Karpenko Yu., Ivus T. The role of strategic environmental assessment in forming development strategies of territorial communities of Chernihiv region taking into account the ecological state of small rivers lower reaches of the Desna.....	36
Krainiukov O., Shchokina M. Implementation of an early warning system for the rapid detection of pollution of water bodies.....	41
Kurylo S., Tsyhanenko-Dziubenko I., Kireitseva H., Nazarenko O. Landscape-morphometric analysis of catchment basins of the Teteriv River tributaries based on SRTM DEM.....	45
Novikova A., Mokhonko V. Transformation of water resources and water supply in Ukraine under war and technogenic threats: challenges and strategic guidelines for ensuring sustainable water provision.....	53
Prykhodko V., Ilina A. Water quality standards in municipal drinking water supply systems in Ukraine.....	60
Shakhman I., Chvartkovska A. Study of the ecological state of surface waters of the Dnipro River within the Cherkasky region	65
ECOLOGY OF LAND USE	70
Bosiuk A., Sebko K. Control of electrical and temperature parameters of soil extraction by the impedance method.....	70
Herasymiuk P., Fedoriak M. Changes in productivity parameters and biological yield of <i>Helianthus annuus</i> L. hybrids under different pollination conditions.....	76
ECOLOGY AND TRANSPORT	84
Yehorova O., Chyzh O., Volochai P. Environmental impact assessment of railway transport on the soil condition in adjacent areas.....	84
Pichkur T. Inventory of pollutant emissions into the atmosphere at railway transport enterprises.....	92
ECOLOGY AND CONSTRUCTION	97
Zelenchuk I., Sonko S. The impact of construction activity on the structural and functional relationships between landscape components.....	97
ECOLOGY AND PRODUCTION	107
Voloshyn V., Burko V. On experimental confirmation of the conditions for overcoming the principle of thermodynamic duality as the reason for the creation of industrial waste in technological processes.....	107
Zolotko O., Voitenko Yu., Rusakova T., Dolzhenkova O., Nazarenko D. Analysis of indicators of environmental safety of the impact on atmospheric air of the activities of assembly and welding production of a metalworking enterprise.....	114
Matukhno O. Current state and decarbonization challenges of Ukraine's metallurgical industry.....	122
Nahurskyi O., Branovskyi M. Analysis of the ecological efficiency of encapsulated nitrogen fertilizers.....	130
Nahursky O., Marfutin A. Technology of radon control and reduction in the production of building products from radon-containing raw materials.....	136
Petrovska M., Petrovskiy S. Organic production as a direction of "green transformation" of agriculture in Ukraine.....	141

ECOLOGY OF NATURAL RESOURCES	148
Andrianova T. Species composition and distribution of ascomycetes on European mistletoe (<i>Viscum album</i> : Santalaceae) in Ukraine	148
Haridzhuk S., Riznychuk N. Morphological variability of introduced and natural populations of <i>Origanum vulgare</i> L. in the Carpathian region.....	163
Luchak I., Mylenka M. Legal regulation of spontaneous forests in Ukraine: gaps in national legislation and international obligations.....	168
Khomutinin Yu., Lazarev M., Levchuk S., Kosarchuk O., Illienko V., Lazarev D. The prospects of using natural meadows contaminated with ¹³⁷ Cs as a feed source for fattening young livestock.....	173
AGROECOLOGY	181
Bondar T., Shestopalov O., Bosiuk A., Sakun A., Nechyporenko D., Bondar T. Bioremediation of oil-contaminated soils: experimental study.....	181
Khyznyiak S., Kornienko V., Samkova O., Midyk S., Koversun I., Voitsitskiy V. Basic approaches for comprehensive assessment of soil pollution resulting from military actions.....	189
Khokhlov A., Khokhlova L. Plant bioactive composite for reducing the toxic effect of herbicides in the soils.....	195
ENVIRONMENTAL MONITORING	200
Babenko V., Bosiuk A., Kriuchkova V. Methodological and practical aspects of monitoring the condition of forest belts under the influence of military operations.....	200
Ivashchenko T., Pechenyi V., Yakovlev I. Methodological aspects of water resource quality monitoring under anthropogenic pressure.....	206
ECOLOGY AND TOURISM	210
Davydova I., Panasiuk A., Demchuk L., Rekun I., Korbut M. Tourist maps as a means of promoting local tourist resources of Ukraine.....	210
Sapko O. Experience of European union countries in the development of sustainable eco-tourism.....	219
ENVIRONMENTAL ISSUES IN THE CONTEXT OF UKRAINE'S EUROPEAN INTEGRATION	224
Bilokon A. Case studies towards energy transition in the EU, Switzerland, and Ukraine.....	224
Uvaieva O., Shevchuk L., Alpatova O. Implementation of European standards for river basin management in Ukraine in the context of nature conservation strategies	234
ECOLOGY OF BIODIVERSITY	240
Buslenko L., Tepluk V. Biomonitoring of natural and anthropogenic ecosystems of Volyn-Podillia with the participation of soil animals.....	240
ECOLOGY AND POST-WAR DEVELOPMENT OF UKRAINE	246
Gileta L. Strategic environmental assessment – an effective tool in post-war reconstruction of communities.....	246
AUTHORS' CREDENTIALS	251