

International Competition of Student Scientific Works “Black Sea Science 2023”

1st stage results for the field of “Ecology and Environmental Protection”

Country	Institution	Work Title	Author(s)	Supervisor(s)	Score
Ukraine Algeria	Odesa National Technological University University Bejaia, Algeria	Ecological assessment of the territorial complexes of Tatarbunaskyi district of Odesa region	Voynyts'ka Iryna	Madani Mariia, Ladjel Mahmud	98
Ukraine Georgia	Lviv Polytechnic National University Akaki Tsereteli State University Iakob Gogebashvili Telavi State University	Treatment of filtrates of landfills by biological method	Malychkovych Khrystyna, Lomanidze Nino, Bekkhan Umarashvili	Malovanyy Myroslav, Magda Davitashvili	97
Georgia	Iakob Gogebashvili Telavi State University	Optimization of anaerobic fertilization parameters of cattle manure with wine-making waste to obtain more biogas yield on typical biogas plants	Bekkhan Umarashvili	Magda Davitashvili	96
Ukraine Germany	Odesa State Environmental University University of Greifswald	Plastic waste as a source of financial aid to the armed forces of Ukraine	Shelinhovskyi Dmytro	Mykhailenko Vladyslav, Kuznichenko Svitlana	95
Ukraine Serbia	Kharkiv National Automobile and Road University EDUCONS University	Implementation of green technologies in river transport	Daria Orlova, Oleksiuk Anna, Kristina Manevski	Nataliia Vnukova, Nemanja Stošić	94
Ukraine Poland	Zaporizhzhia National University University of Occupational Safety Management in Katowice	Analysis and assessment of ecological safety of emissions from production of carbon products	Koval Vasyl, Olienichenko, Volodymyr	Belokon Karina	93
Ukraine Serbia	Donetsk National Technical University University of Belgrade	Method of disposal of polystyrene dust and wood hydrolysis lignin	Zinchenko Luiza, Bekic Iva	Povzun Oleksii, Lazarevic Dimitar	92
Ukraine Poland	Lviv Polytechnic National University Rzeszow University of Technology	Innovative technologies for the disposal of sediments formed at treatment plants in	Maksymiuk Anastasiia, Krzysztof Dach	Malovanyy Myroslav	91

		Ukraine and Poland			
Ukraine Kazakhstan	Odesa National Technological University Kazakh National Research and Technical University named after K.I. Satbayev	Bioplateau as a system for improving the water quality of Lake Sayran	Timurova Lyalya, Shmikova Anastasiya	Shevchenko Roman, Katkov Mikhail	90
Ukraine Bulgaria	Lviv Polytechnic National University Technical University – Varna	Analysis of biological methods of wastewater treatment	Danyliuk Maksym, Dilian Georgiev	Ivan Tymchuk,	87
Ukraine Kazakhstan	Kremenchuk Mykhailo Ostrohradskiy National University Kazakh National Research and Technical University named after K.I. Satbayev	Assessment of the ecological state of green spaces in the city of Almaty	Yuzefovych Sophia, Utegenova Aruzhan, Nugmanov Daniyar	Kharlamova Olena, Nurmakova Saule	86
Ukraine	Oles Honchar Dnipro National University	The impact of urban park reconstruction on the aggregate structure of soil	Zots Filip	Kunakh Olga	85
Ukraine India	National University “Yuri Kondratyuk Poltava Polytechnic” Mewat Engineering College	Environmental safety of the oil and gas complex	Tristan Artem, Chaudhar Akhansha	Stepova Lena, Khan Nadeem Ahmad	84
Georgia	Iakob Gogebashvili Telavi State University	Ilto river climate change scenario	Ninaka Berdzenishvili	Nana Berdzenishvili	83
Ukraine	Igor Sikorsky Kyiv Polytechnic Institute	Processing of polymeric and organic waste using solar Energy and liquid nitrogen	Stoliarchuk Yelyzaveta	Kozlenko Oleh	82
Ukraine	Vinnytsia National Agrarian University	The use of by-products of crop production to stabilize the balance of nutrients in the soil	Kryzhanivskiy Vitaly	Tkachuk Oleksandr	81,5
Ukraine Kazakhstan	Kremenchuk Mykhailo Ostrohradskiy National University Kazakh National Research and Technical University named after K.I. Satbayev	Determination of soil radioactivity I effect on the human organism	Sheviakova Daria, Utegenova Aruzhan, Nugmanov Daniyar	Shmandiy Volodymyr, Nurmakova Saule	81
Ukraine	National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”	Post-mining agriculture on waste of mineral origin	Bondarenko Anastasiia	Tverda Oksana	80,5
Ukraine	Zhytomyr Polytechnic State University	Variability of morphometric parameters of <i>Glyceria maxima</i> (c.hartm.) Holmb. pollen as an indicator of radiation contamination of the territory	Novitska Sofiia	Patseva Iryna, Tsyhanenko- Dziubenko Illia	80,2

Ukraine	Lesya Ukrainka Volyn National University	Modern social factors influence on the functional state of the visual system of schoolchildren	Reshotka Daryna, Demchuk Victoriia	Korzhyk Olha, Dmytrotsa Olena	80
Ukraine Moldova	Kharkiv National Automobile and Road University Alecu Russo State University	Imperatives of development of environmentally clean technology in mechanical engineering	Elizaveta Orlova, Ulatin Khatim, Doronina Olga	Hlushkova Diana, Vitaly Beshliu	79,5
Ukraine Serbia	Kharkiv National Automobile and Road University EDUCONS University	The relevance of the transition to modern hybrid vessels of the river fleet of Ukraine, taking into account the experience of the Netherlands	Bessmertna Diana, Onyshchenko Anastasiia, Kristina Manevski	Nataliia Vnukova, Milica Živković	79
Ukraine Serbia	Donetsk National Technical University University of Belgrade	Use of coal industry waste in road construction	Starikov Serhii, Vozarevic Vladimir	Kalynychenko Valerii	78
Ukraine Serbia	Donetsk National Technical University University of Belgrade	Binder for strengthening combustion metamorphic rock of slagheap in the pavement base	Bolotskov Lev, Piperski Nicola	Belytskyi, Pavlo	77
Ukraine Poland	Zaporizhzhia National University University of Occupational Safety Management in Katowice	The development of catalytic materials for solving environmental problems of motor vehicles	Vidloha Yana, Ukatu Jude	Belokon Karina	76
Ukraine Poland	Zaporizhzhia National University University of Occupational Safety Management in Katowice	Community Health Risk Assessment from atmospheric air pollution with suspended dust particles	Morozova Dana, Askoldov Valerii	Belokon Karina	75
Ukraine Poland	Lviv Polytechnic National University Rzeszow University of Technology	The biodiversity conservation problems	Vynnyk Roman, Alina Pochwatka	Zoryana Odnorih	74
Ukraine	Lviv Polytechnic National University	Alternate fuel briquettes obtaining from waste of brewery and coffee production	Manastyraska Vladyslava	Ivashchuk Oleksandr	73
Ukraine	Odesa National Technological University	Ecological assessment of the Kura River	Piltsina Margarita	Shevchenko Roman	72
Ukraine Algeria	Odesa National Technological University University Bejaia, Algeria	Environmental assessment of the state of the Tiligul estuary	Shmykova Anastasiya	Madani Mariia, Ladjel Mahmud	71
Ukraine Kazakhstan	Odesa National Technological University Kazakh National Research and Technical University named after K.I. Satbayev	Improving the environmental friendliness of drinking water supply and drainage systems in the city of Odessa	Nadiya Slobodyanuk, Timurova Lyalya	Shevchenko Roman, Katkov Mikhail	70

Ukraine Poland	Mykolaiv National Agrarian University, Academy of Applied Sciences Academy of Management and Administration in Opole	Introduction and Environmental Growing of Medicinal and Essential Oil Crops Using Drip Irrigation in Southern Ukraine	Bahliuk Uliana, Ohiienko Andrii	Kovalenko Oleh, Ohiienko Mykola	69,5
Ukraine	Lviv Polytechnic National University	Modified sono-fenton process for oxidative degradation of chloramphenicol	Lysak Dmytro	Sukhatskyi Yurii	69
Ukraine Poland	Zaporizhzhia National University University of Occupational Safety Management in Katowice	The investigation of the emissions influence from industrial enterprises on pollution of atmospheric air in Zaporizhzhia	Evtushenko Demid, Khrapkin Oleksandr	Belokon Karina	68
Ukraine Serbia	Donetsk National Technical University University of Belgrade	Mathematical modeling of carbon binders modified by polystyrene production waste	Fedorov Andriy, Sekulich Marko	Gogo Volodymyr	67
Ukraine Germany	Odesa State Environmental University Eberswalde University for Sustainable Development	Assessment of pollutant emissions from military activities	Klimov Igor, Hramashchuk Ruslan, Bilenka Vladyslava	Chugai Angelina, Khrutba Viktoriia	66
Ukraine	Vinnytsia National Agrarian University	Green economy as a guarantee of sustainable development	Hadzetska Anastasiia	Tomashuk Inna	65
Ukraine Kazakhstan	Kremenchuk Mykhailo Ostrohradskyy National University Kazakh National Research and Technical University named after K.I. Satbayev	Choice of Methodology for Population Health Risk Analysis with Limited Data	Polyviana Anastasiia, Karimov Alexander, Nugmanov Daniyar	Rigas Tatiana, Nurmakova Saule	64
Ukraine	Mykolayiv National Agrarian University	Effects of pre- and postpubertal body growth rates on the milk production in dairy cattle	Anna Gonchar	Serhii Kramarenko	62
Ukraine	Odesa State Academy of Civil Engineering and Architecture	Concept of green belt applicable to Odesa	Chernytska Anzhelika	Oliinyk Tetiana	61
Ukraine	Odesa State Agrarian University	Wind energy potential of Izmailskyy Odesa region of Ukraine	Chuchui Vyacheslav	Chuchui Valery	60,5
Ukraine	National academy of internal affairs	Russian aggression and its impact on the environment in Ukraine	Zhurova Darya	Volochin Oleksiy	60
Ukraine	National Technical University of Ukraine "Ihor Sikorsky Kyiv Polytechnic Institute"	Comparative analysis of the level of emissions of nitrogen oxides during the combustion of anthracite pillar at different energy installations	Apostol Yaroslav	Sheleshei Tetiana	59

Ukraine Algeria	Odesa National Technological University University Bejaia	Vermicomposting of meat processing industry	Viktoriya Yurenko	Bondar Serhiy, Ladjel Mahmud	58
Ukraine Algeria	Odesa National Technological University University Bejaia	Environmental management on the black sea coast	Iskandarova Liliya	Bondar Serhiy, Ladjel Mahmud	57
Ukraine	Odesa National Technological University	Environmental assessment of agriculture in Odesa region	Lazeba Aleksandr	Shevchenko Roman	56
Ukraine	Odesa National Technological University	Research on the safety and environmental friendliness of babies' clothing	Blidar Alina	Martirosyan Iryna, Garbzhii Kateryna	55
Ukraine	Lviv Polytechnic National University	Electrocoagulation wastewater treatment from nickel ions	Vira Hnativ	Andriy Helesh	54
Ukraine	Lviv Polytechnic National University Department of Physical and Chemistry of Combustible Fossils LM Litvinenko of the National Academy of Sciences of Ukraine	Method of fine post-treatment of dairy effluents using a phenton-like catalyst	Dziadyk Markiyan	Kurylets Oksana, Makido Olena	53
Ukraine Kazakhstan	Kharkiv National Automobile and Road University L.B. Goncharov Kazakh Auto Road Institute	Environmental component of the problem of increasing the durability of piston rings	Onikienko Vladyslav, El Amrani Ayman, Narymkul Aysultan Maratovich	Hlushkova Diana, Murzakhmetova Ul'bala	52
Ukraine Poland	Mykolayiv National Agrarian University University of Agriculture in Krakow	Environmentally safe soil recovery by growing legumes	Rodion Tarabanov, Oleg Kuchera	Valentina Gamajunova	51,5
Ukraine Moldova	Kharkiv National Automobile and Road University Alecu Russo State University	Environmental innovations in industry	Saienko Vladyslav, Mohid Sumiya, Daskal Ion	Hlushkova Diana, Vitaly Beshliu	51
Ukraine Kazakhstan	Kharkiv National Automobile and Road University L.B. Goncharov Kazakh Auto Road Institute	Environmentally safe technology for increasing the durability of hydraulic hammer parts	Vitaly Tunyk, Budshish Zaid, Leonid Kurenkov	Hlushkova Diana, Murzakhmetova Ul'bala	50
Ukraine	Vinnytsia National Agrarian University	Recycled materials as a source of resource saving: the case of Ukraine and the EU	Anastasia Slobodianiuk	Yana Palamarenko	49
Ukraine	Odesa State Environmental University	The agricultural sector of Ukraine as a component of food security	Porokh Mykhailo	Ilina Anna	48

Ukraine	Odesa State Environmental University	Analysis of technogenic impact on the air basin of the Sumy region	Sotnichenko Oleksandr	Chugai Angelina	47
Ukraine	Mykolayiv National Agrarian University	Study of wind resistance of the soils of the steppe of Ukraine	Sybir Tetiana	Pismenniy Oleg	46
Ukraine	Odesa State Academy of Civil Engineering and Architecture	“Green” standards for fitness centers.	Natasha Savchenko	Tatiana Oliinyk	45
Ukraine	Odesa State Academy of Civil Engineering and Architecture	"Green" building and ecology	Tsvihovska Iryna	Oliinyk Tatiana	44
Ukraine	Odesa State Agrarian University	Digestate plus chlorella are important alternative biotechnologies for soils and agricultural production in the conditions of climate change	Markhonos Andrii	Petrenko Svitlana, Valentiuk Nataliia	43
Ukraine	National academy of internal affairs	Peculiarities of earth remote sensing use during the investigation of environmental crimes	Shchur Sofia	Kalynovskyi Oleksandr	41
Ukraine	Separated Structural Subdivision "Odesa Technical Professional College of Odesa National University of Technology"	The pulse of time. An aspect of plastic recycling for inclusive orthopedics	Kolesnikova Kateryna, Kantser Taisia	Lapchak Svitlana, Kuzina Natalia	40
Ukraine	Kharkiv National Air Force University	Proposals regarding the use of modern protection means in the conditions of the influence of corpuscular radiation on the human organism	Bovt Vladislav	Kolmohorov Oleksii	39
Ukraine	O. M. Beketov National University of Urban Economy in Kharkiv	Gamification of environmental education in Ukraine and the world	Khudiakova Mariia	Stalinska Irina	38
Ukraine	Oleksandr Dovzhenko Hlukhiv National Pedagogical University National University of “Kyiv-Mohyla Academy”	Characteristics of public green spaces in Hlukhiv	Andriienko Anna, Bilichenko Anastasiia	Koreneva Inna	37
Ukraine	Kyiv National University of Construction and Architecture	Assessment of heavy metal ion pollution in urbanized areas	Bereznyi Mykhailo, Prokopenko Vladuslav	Zhukova Olena	36
Ukraine	Grygory Skovoroda University in Pereyaslav	Preservation and restoration of the Zminy	Yakovenko Bohdana,	Nosachenko	35

		island ecosystem	Galenko Daryna	Volodymyr	
Ukraine	Prydniprovska State Academy of Civil Engineering and Architecture	Influence of individual sources of noise on the psycho-emotional state of a person during war	Leonova Mariia, Chernenko Kateryna	Sankov Petro, Tkach Nataliia	34
Ukraine	Dmytro Motorny Tavria State Agrotechnological University	Methodology for assessing the environmental properties of mobile machinery	Radko Mykola	Mitkov Vasil	33
Ukraine	Dnipro University of Technology	Measures for the restoration of disturbed lands as a result of military actions	Anchutkina Mariia	Trehub Yuliia	32
Ukraine	Ternopil Ivan Puluj National Technical University	The role of safety culture in environmental protection in the context of Bhopal and Chernobyl disasters lessons	Bodnar Viktoriia, Jadav Hirenkumar	Shchyhelska Halyna	31
Ukraine	Hryhorii Skovoroda Kharkiv National Pedagogical University	Influence of gas-bearing deposits on the ecological state of the territory of Kranograd district of Kharkiv region	Krasnik Sofiia	Koptieva Tetiana	30
Ukraine	Sumy National Agrarian University	Trends in determining the damage caused to the land fund as a result of military actions	Kocherezhchenko Yana, Khomenko Valeriya	Rybina Olena	29
Ukraine	Chernihiv Polytechnic National University	Organization of environmental monitoring of emergency situations using UAVs in wartime conditions	Nahornyi Pavlo	Hnedina Kateryna	28
Ukraine Germany	Kharkiv National Automobile and Road University HTW Berlin – University of Applied Science	Technogenic degradation of plant phytocenoses	Vladyslav Peleshenko, Viacheslav Hoholev, Alexander Hebel	Ganna Zhelnovach, Mirko Barz	27
Ukraine Germany	Kharkiv National Automobile and Road University HTW Berlin – University of Applied Science	Assessment of the impact of the components of the transport complex on the atmospheric air (on the example of the transport enterprise)	Oleksandra Lebed, Yelyzaveta Lub, Felix Schaft	Ganna Zhelnovach, Mirko Barz	26