

International Competition of Student Scientific Works “Black Sea Science 2024”

2nd stage results for the field of “Ecology and Environmental Protection”

Place	Country	Institution	Work Title	Authors	Supervisors	Score		
						Stage 1	Stage 2	Total
I	Ukraine Georgia	Odesa National Technological University Iakob Gogebashvili Telavi State University	Treatment of filtrates of landfills by biological method	Yunosheva Mariia, Kolotadze Tsisana	Shpyrko Tetiana, Davitashvili Magda	97	30	127
I	Ukraine Kazakhstan	Lviv Polytechnic National University Korkyt Ata Kyzylorda University	Study of aerobic biocomposition’s conditions of various age wastewater sediments with addition of plant raw materials	Maksymiuk Anastasiia. Aybolatov Diaz	Malovanyy Myroslav, Yeleuova Elmira	95	30	125
I	Ukraine Lithuania	Separate structural subdivision "Professional College of Oil and Gas Technologies, Engineering and Service Infrastructure of Odesa National University of Technology" Vytautas Magnus University, Agriculture Academy	Impact of climate change on aquaculture development	Varokha Veronika, Gabrielė Bagdonaitė	Olha Sahdieieva, Anželika Dautartė	94	30	124
II	Ukraine Germany	Kharkiv National Automobile and Highway University Eberswalde University for Sustainable Development	Improvement of recreational forest management in the natural park	Darya Orlova, Lub Yelyzaveta	Nataliia Vnukova, Pierre L. Ibisch	92	27	119
II	Ukraine Moldova	Mykolaiv National Agrarian University Alecu Russo State University	Creation of soil-protective phytocenoses of essential oil plants in anthropogenically transformed ecosystems	Tarabanov Radion, Rotar' Aleksandra	Manushkina Tetiana, Boincean Boris	91	27	118

II	Ukraine Serbia	Donetsk National Technical University University of Belgrade	Method of disposal of metallurgy waste in the manufacture of wall blocks during the post-war reconstruction of ruined housing	Perekrest Ivan, Osinniy Mykyta, Bekic Iva	Povzun Oleksiy, Lazarevic Dimitar	90,5	26	116,5
II	Ukraine Poland	Kremenchuk Mykhailo Ostrohradskiy National University Zaporizhzhia National University University of Occupational Safety Management in Katowice	Improved method of determining the level of technological safety of motor vehicles	Sazhka Anna, Minhazova Daria, Zhavoronkov Mykyta	Kharlamova Olena, Belokon Karina	90	25	115
II	Ukraine Poland	I Liceum Ogólnokształcące z Oddziałami Dwujęzycznymi im. Mikołaja Kopernika w Krośnie National Technical University Kharkiv Polytechnic Institute	Alternative energy. The experience of poland and its acceptability for Ukraine	Vambol Vladyslava, Martynenko Olexii	Małgorzata Podyma, Mezentseva Iryna	88,5	25	113,5
III	Poland	Institute of Biological Sciences, Laboratory of Bioinformatics and Biostatistics, University of Maria Curie-Skłodowska	Environmental dynamics monitoring based on satellite exploration in Lublin city	Yakovyshyna Liliia	Pac-Sosińska Małgorzata	88	24	112
III	Ukraine Kazakhstan	Korkyt Ata Kyzylorda University Odesa National University of Technology	Effective technologies for waste water disposal of food enterprises	Karazhan Aruzhan, Kidakova Daria	Olena Kovalenko, Daldabayeva Gulnur	86	22	108
III	Ukraine Poland	Lviv Polytechnic National University Cracow University of Technology	Assessment of special conditions, aspects and main criteria for implementation of food waste management system in Ukraine	Reftso Mykhailo, Yuzvyakovska Karolina	Tymchuk Ivan	85	22	107
III	Ukraine Poland	Vinnitsia Mykhailo Kotsiubynskiy State Pedagogical University Lodz University of Technology	Wastewater purified from chromium (III) ions by adsorption on natural sorbents	Dzikhovska Lilia, Kucharska Judyta	Sakalova Halyna, Vasylynych Tamara	82	21	103
III	Ukraine	Dnipro University of Technology Kremenchug National University named after M. Ostrogradskiy	Analysis of ways to achieve carbon neutrality by the metallurgical complex of Ukraine	Kyrylo Vereshchako, Uliana Sychova	Olena Matukhno, Tetiana Rygas	81,5	20	101,5

III	Ukraine	Zhytomyr Polytechnic State University	Investigation of the sanitary condition of pine plantations in radioactively contaminated areas of the Zhytomyr region	Radchenko Roman, Nosenko Yuliia	Melnyk-Shamrai Viktoriia	81	20	101
III	Ukraine Poland	The National University «Yuri Kondratyuk Poltava Polytechnic» Bialystok University of Technology	Assessment of the meteorological potential of the atmospheric scattering capacity	Yakovenko Bohdana, Bargłowski Leszek	Ilyash Oksana, Adamski Mariusz	80	20	100
III	Ukraine	Mykolaiv National Agrarian University Admiral Makarov National University of Shipbuilding	Ecological analysis of the adventive flora component in the yelanets steppe nature reserve	Nadiia Prasova	Alla Bondar, Svitlana Melnychuk	83	16	99
III	Ukraine	Oles Honchar Dnipro National University	Nitrate content in vegetables in water-inrated water bodies of the northern and inguletsky gok	Kolesnikov Ilya	Chernushenko Olena, Cherniavska Anna	80,5	13	93,5
	Ukraine Bulgaria	Lviv Polytechnic National University Sofia University St.Kliment Ohridski	Scientific and methodological basis of biological remediation using man-made organic waste	Malychkovych Khrystyna, Nikolova Gabriela	Odnorih Zoryana	79		
	Ukraine	Mykolaiv National Agrarian University	The use of bacterial preparations as an element of biologization of spring barley growing	Uliana Shelinher, Anatoliy Shelinher	Oleh Kovalenko	78		
	Ukraine Georgia	Odesa National Technological University Iakob Gogebashvili Telavi State University	Use of enzymative hydrolysis in technology for processing waste of the fat and oil industry	Iskandarova Lilia, Bochorishvili Laila	Shpyrko Tetiana, Davitashvili Magda	78		
	Ukraine	Sumy National Agrarian University	Optimization of post-war land use: elimination of negative consequences of military actions with determination of damage caused to the land	Anastasia Podoprygora	Olena Rybina	77		
	Ukraine	Oles Honchar Dnipro National University	Analysis of emissions of harmful substances under the conditions of using traditional and alternative fuels	Sikorsky Artem, Tsarenko Valeria	Levytska Olena	75		

	Ukraine	Kharkov National Automobile and Highway University	Ecological aspects of using metallurgical industry waste as resources for sustainable development	Ruslan Myronenko	Kaliuzhna Yuliia	74,5		
	Ukraine	Sumy National Agrarian University	Analysis of the impact of land market development on sustainable development: social, environmental and economic aspects	Yana Kocherezhchenko	Olena Rybina	73		
	Ukraine Serbia	Kharkiv National Automobile and Highway University Studies Academy of Applied Studies Šabac	Green" construction as a direction of resource saving in office buildings	Prykhodko Anhelina, Sasina Vladyslava, Ilic Jelena	Maryna Barun, Glisic Milan	70		
	Ukraine	Khmelnyskyi National University	Electromagnetic fields in the conditions of average urban ecosystems (on the example of the city of Khmelnyskyi, Ukraine)	Hurovska Yana, Hrechana Karina	Mironova Nataliia, Yefremova Olha	68		
	Ukraine	Zaporizhzhia National University Kremenchuk Mykhailo Ostrohradskyi National University	Assessment of air pollution impact on human health caused by industrial emissions	Zhavoronkov Mykyta, Yuzefovych Sophia	Belokon Karina, Kharlamova Olena	67		
	Ukraine	V.N. Karazin Kharkiv National University	Assessment of the impact of climate change on the ecological state of urban plantations of the common horse-chestnut	Chermnykh Maya	Koval Iryna	67		
	Ukraine Poland	Kharkiv National Automobile and Highway University Rzeszow University of Technology	Peculiarities of forming an integrated assessment of the ecological state of the urban environment	Peleshenko Vladyslav, Anastasia Onyshchenko, Sanocka Oliwia	Nataliia Prokopenko, Vasyl Mateichyk	67		
	Ukraine	Kryvyi Rih National University	Development of environmentally accepted waste management technology enrichment of iron ores	Nesterenko Ivan, Piskun Ilya, Sultanov Artem	Afanasyev Vitaliy	66,5		

	Ukraine	Separate structural subdivision "Professional College of Oil and Gas Technologies, Engineering and Service Infrastructure of Odesa National University of Technology"	The organic part of municipal solid wastes composting using soil microorganisms	Tcukanov Ivan, Kiriak Yelyzaveta	Sokolova Valeriia	66		
	Ukraine	The National University of Water and Environmental Engineering	Model studies of hydrobionts reactions to the presence of microplastics in the aquatic environment	Yakhniuk Anastasia	Biedunkova Olha	65		
	Ukraine	Separate structural subdivision "Professional College of Oil and Gas Technologies, Engineering and Service Infrastructure of Odesa National University of Technology"	Variations in the selection of the composting mode of the organic component of solid household waste	Maximowa Violetta	Novgorodskaya Olga	64		
	Ukraine Poland	Vinnitsia Mykhailo Kotsiubynskiy State Pedagogical University Czestochowa University of Technology	Wastewater purified from chromium(III) ions by adsorption on natural sorbents	Maslova Daria	Sakalova Halyna, Wiśniowska Ewa	63		
	Ukraine Poland	Vinnitsia Mykhailo Kotsiubynskiy State Pedagogical University Lodz University of Technology	Disposal of spent bentonite	Podolian Anhelina, Wójcik Karolina	Sakalova Halyna	63		
	Ukraine Poland	Kremenchuk Mykhailo Ostrohradskiy National University Zaporizhzhia National University University of Occupational Safety Management in Katowice	Development of measures to ensure environmental safety in case of manufactured earthquakes	Linikh Andrii, Sharamok Yana	Kharlamova Olena, Belokon Karina	62,5		
	Ukraine Poland	Zaporizhzhia National University University of Occupational Safety Management in Katowice Kremenchuk Mykhailo Ostrohradskiy National University	The development of intermetallic catalysts for solving environmental problems of motor vehicles	Khalilieiev Ivan, Amoo Victor	Belokon Karina, Kharlamova Olena	62,5		
	Ukraine	Vinnitsia National Agrarian University	Green future	Kryzhanivsky Vitaliy	Tkachuk Oleksandr	62		

	Ukraine Poland	Lviv Polytechnic National University Rzeszow University of Technology	Long-term trends of the annual and daily depths of the precipitation layer in Kyiv, Odesa, and Lviv	Danyiuk Maksym, Kubica Paweł	Luta Oksana	61		
	Ukraine Serbia	Donetsk National Technical University University of Belgrade	Use of coal industry waste in road construction	Yemets Maxym, Vozarevic Vladimir	Kalynychenko Valeriy	61		
	Ukraine Poland	Vinnitsia Mykhailo Kotsiubynskiy State Pedagogical University Czestochowa University of Technology	Obtaining ecologically clean animal husbandry products	Shulzhenko Darya, Sakalova Mariia	Vasylynych Tamara	59		
	Ukraine Georgia	Odesa National Technological University Iakob Gogebashvili Telavi State University	Environmental problems created by humanity	Kobzar Volodymyr, Giorgadze Nana	Shpyrko Tetiana, Davitashvili Magda	58		
	Ukraine	Odesa National University of Technology	Brine utilisation technology to improve the Environmental safety of mineral water bottling plants	Lytvyn Oleksandra	Kovalenko Olena, Vasyliv Oleh	54		
	Ukraine	Sumy State University	Digital marketing in the formation of green competitive advantages of enterprises	Shevchenko Kateryna	Chygryn Olena	54		
	Ukraine	National Technical University Kharkiv Polytechnic Institute Kharkiv national automobile and highway university	Missile - space activities - source of Destruction of the ozone layer of the atmosphere	Akimova Elvira, Kais Laaridhi	Kuzmenko Olena, Mishchenko Igor	52		
	Ukraine	V.N. Karazin Kharkiv National University	Assessment of the impact of climate change on the ecological state of urban plantations of the common horse-chestnut (Aesculus hippocastanum L.)	Chermnykh Maya	Koval Iryna	51		
	Ukraine	State biotechnological university	Usage of modern technologies and geoinformation models in the study of landscape features and rational land use	Lebedieva Krystyna	Khainus Dmytro	50		

	Ukraine	National Academy of the National Guard of Ukraine	Improving The Environmental Safety of Military Drones	Kharkharov Denys	Danchenko Yuliya	49,5		
	Ukraine Poland	Kharkiv National Automobile and Highway University Rzeszow University of Technology	Air pollution from vehicle emissions as a health and environmental problem	Bessmertna Diana, Veremko Polina, Ciszewski Robert	Halyna Valter, Vasyl Mateichyk	49,5		
	Ukraine	Separate structural subdivision "Professional College of Oil and Gas Technologies, Engineering and Service Infrastructure of Odesa National University of Technology"	The processing of solid winemaking waste by bioconversion	Doroshuk Olena	Novgorodskaya Olga	48		
	Ukraine	Taras Shevchenko Kyiv National University	Ecocide: war in Ukraine and international law	Semilietov Stanislav	Garmanchuk Liudmyla	47		
	Ukraine	National Technical University Kharkiv Polytechnic Institute Kharkiv national automobile and highway university	Information security of technical tools and environmental monitoring systems	Denysenko Yuliiia, Tarahi Mohammed	Yaschenko Larysa, Mishchenko Igor	45		
	Ukraine Georgia	Odesa National Technological University Iakob Gogebashvili Telavi State University	Technology for rational water purification in populated areas	Stoyanova Sofya, Maisuradze Tamar	Shpyrko Tetiana, Davitashvili Magda	44		
	Ukraine	Odesa National University of Technology	Processing of coffee sludge into biosorbents for water treatment	Kidakova Daria	Kovalenko Olena, Kokhanska Angelina	44		
	Ukraine	Mykolaiv National Agrarian University	The influence of biological preparations on the yield and quality of tomato fruits in the conditions of the southern steppe of Ukraine	Riabov Denys	Nikonchuk Nataliia	43		
	Ukraine Serbia	Donetsk National Technical University University of Belgrade	Binder for strengthening combustion metamorphic rock of slagheap in the pavement base	Chernobay Mykyta, Piperski Nicola	Belytskyy Pavlo	42,5		

	Ukraine	Mykolaiv National Agrarian University	Animal anthrax in the south of Ukraine and soil protection from the ingress the causative agent of anthrax	Sheshunova Anastasia	Iovenko Artem	42,5		
	Ukraine	Zhytomyr Polytechnic State University	Licheno-indication studies of anthropogenic load (on the example of Zhytomyr)	Kozak Yehor, Hlushanytsia Viktoriia	Melnyk-Shamrai Viktoriia	42,5		
	Ukraine	Mykolayiv National Agrarian University	Conchiometric traits variation of the Roman snail (<i>Helix pomatia</i> L., 1758) on the southeast edge of species area: version of climate selection	Gonchar Anna	Kramarenko Serhii	41		
	Ukraine Serbia	Donetsk National Technical University University of Belgrade	Mathematical modeling of carbon binders modified by polystyrene production waste	Tiurin Ilya, Sekulich Marko	Gogo Volodymyr	40		
	Ukraine	Mykolayiv National Agrarian University	Analysis of sanitary and ecological indicators of the water quality of the Dnipro-Mykolaiv water supply	Shpakov Oleksiy	Kramarenko Oleksandr	40		
	Ukraine	Dnipro University of Technology	Analysis of hazardous waste management technology at the enterprise	Kolisnichenko Artem	Myronova Inna	40		
	Ukraine	Dnipro University of Technology	Environmental risk of lead contamination of soils in the urban ecosystem of Dnipro city	Murashova Kateryna, Balaniuk Anastasiia, Mulin Vladyslav	Yakovyshyna Tatyana, Borysovska Olena	39		
	Ukraine	National Technical University Kharkiv Polytechnic Institute Kharkiv national automobile and highway university	Influence of the galvanic workshop on atmospheric pollution	Yujun Liu, Mohamed Niyaz	Semenov Evgeniy, Mishchenko Igor	39		
	Ukraine	Odesa State Academy of Civil Engineering and Architecture	Art as a solving tool environmental problems	Pashchenko Vadim	Oliinyk Tetiana	39		

	Ukraine	Vinnitsia Trade and Economic Institute of the State Trade and Economic University	Ecological component in the activities of social entrepreneurship: challenges and opportunities	Parzhnitska Viktoria, Kozlova Anastasia	Kulhanik Oksana	38		
	Ukraine	Dnipro University of Technology	Analysis of the problem of water pollution with microplastic	Holub Mykhailo	Kulikova Dariya	38		
	Ukraine	Odesa State Academy of Civil Engineering and Architecture	Environmental aspect of renovation of the historic district of the city of Odesa	Savchenko Nataliia	Oliinyk Tetiana	37,5		