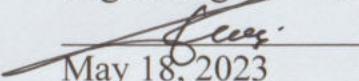


APPROVED

Deputy Chairman of the
Organizing Committee



Dmytro BABENKO

May 18, 2023

**Rating of research projects submitted to International Student Professional Creative Competition
«Agricultural Sciences and Food» in the direction of agroengineering (I round II stage)**

Nº	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
1	National University of Life and Environmental Science of Ukraine (Ukraine)	Method of control for coincidence of hole axes for camshaft with damaged technological bases	Olena Yoldych Oleksandr Makarchuk	Oleksandr Bystryi Andrii Novytskyi	96,75
2	O.M. Beketov National University of Urban Economy in Kharkiv (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Features of the design of a motor-wheel based on a synchronous jet engine with permanent magnets	Michailo Moroz Ihor Polianskyi	Oleksiy Iegorov Vitaly Mardzyavko	93
3	Poznan University of Technology (Poland) Sumy State University (Ukraine)	Evaluation of the effectiveness of collaborative assembly areas and the peculiarities of their design	Bartosz Adamski Viktor Plys	Justyna Trojanowska Vitalii Ivanov	91
4	Henan Institute of Science and Technology (China) Sumy National Agrarian University (Ukraine)	Study of the effectiveness of the use of seeders with a pneumatic sowing device	Qi Dong Yurii Ososkov	Zhang Zhengchuan Serhii Sokolik	90
5	SHEI Pryazovskyi State Technical University (Ukraine)	Mobile multifunctional power plant	Maksym Kovalchuk	Olga Savenko	89,5

Nº	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
	Mykolaiv National Agrarian University (Ukraine)		Dmytro Rososhynskyi	Dmytro Marchenko	
6	Balti State University Alecu Russo (Moldova) Kharkov National Automobile and Highway University (Ukraine)	Application of laser processing to increase the wear resistance of piston rings of fire engines	Olga Doronina Vladyslav Saienko	Vasil Sharagov Diana Hlushkova	89,5
7	Kharkov National Automobile and Highway University (Ukraine)	Experimental determination of the power dependence on the machine wheels on the change in the number of working engine cylinders	Dmytro Zhuravel Oleksii Bobrusenko	Andrii Molodan Yurii Dudukalov	89
8	Dnipro State Technical University (Ukraine)	Solar tracker electric drive	Victoria Logvinova Yury Zhidko	Yuriy Shramko	88,5
9	Mykolaiv National Agrarian University (Ukraine)	Justification of technological process parameters and device for seed separation	Maksym Havryliuk Dmytro Mehes	Pavlo Polyansky Serhii Stepanov	88
10	ISMA University of Applied Sciences (Latvia) Mykolaiv National Agrarian University (Ukraine)	Wastewater treatment with an electrocoagulation plant for agroindustry complex	Dionisii Bielientsov Volodymyr Mazur	Elena Chaiko Andriy Rudenko	87
11	Academy of Applied Studies Šabac (Serbia) Kharkov National Automobile and Highway University (Ukraine)	Optimization of the technological operation (hlowing) when growing winter wheat	Marija Despotović Valeriia Protopopova	Jelena Ignjatović Oksana Pankova	87
12	Batum Navigation Teaching University (Georgia)	Development of an energy-saving technological process of rope growing	Enrike Intskirveli	Badri Gechbaia	86,5

№	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
1	Mykolaiv National Agrarian University (Ukraine)		Denis Golub	Vasyl Hruban	
13	Kremenchuk flight college of Kharkiv National University of Internal Affairs (Ukraine)	Intelligent navigation system for UAVs	Illia Kiselov	Yurii Shmelov	86
14	Gdansk Medical University (Poland) National University of Life and Environmental Science of Ukraine (Ukraine)	Squeezing alfalfa (<i>Medicago sativa</i>) juice for pharmacological purposes through wet fractionation	Svitlana Sahatovych Vladyslav Sosnov	Malhozhata Hrambetska Valentyna Melnyk	85,5
15	National University of Life and Environmental Science of Ukraine (Ukraine)	Express method for evaluating the quality of units and assemblies of brake devices of mobile agricultural machinery	Arsenii Motuziuk	Ivan Koliesnik	85
16	Admiral Makarov National University of Shipbuilding (Ukraine)	Improving the physical and mechanical properties of plasma coatings	Anna Kondratieva	Anton Karpechenko Oleh Savenkov	84,75
17	State Biotechnological University (Ukraine)	Determination of dynamic and traction-energy indicators of all wheel-drive traction transport machine	Konstantin Kulinich Evgeny Reznychenko	Roman Antoshchenkov Ivan Halych	84,5
18	Sumy National Agrarian University (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Study of soil tillage quality indicators after sunflower	Yevhen Redko Andriy Lashchenko	Kyrylo Syrovitskyi Ihor Sydoryka	83,5

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1	2	3	4	5	6
19	Kremenchuk Mykhailo Ostrohradskyi National University (Ukraine)	Fuzzy control system for coordinated control of actuators of a grain-throwing machine	Daniil Cherevichenko	Evgeniia Burdilna	83,5
20	Poltava State Agrarian University (Ukraine)	Development mechanical means for the energy-saving technology of chopping the tree branches in the conditions of private farm households	Sofiy Lyashenko Valeriia Chebotarova	Oleksandr Gorbenko	83,5
21	Kherson State Maritime Academy (Ukraine) Admiral Makarov National University of Shipbuilding (Ukraine)	Modeling of the process of singing songs by power terminals	Melnichenko Serhiy Nikolayenko Yevheniy	Harytonov Yurii Voronenko Serhiy	83
22	Admiral Makarov National University of Shipbuilding (Ukraine)	Increasing the efficiency of gas turbines by applying heat-shielding coatings	Broyak Myhailo	Bobrov Maksym	81,75
23	Mykolaiv National Agrarian University (Ukraine)	Development of a measuring device for the analysis of the dielectric permeability of cereal products	Rostyslav Kryzhanovskyi Amalia Yehiazarian	Larysa Vakhonina	81,5
24	Mykolaiv National Agrarian University (Ukraine)	Implementation of a low-energy installation for electrohydropulse processing of substances and optimization of processing parameters in technological processes of animal husbandry	Vladyslav Molchanov Oleksandr Hubenko	Olena Gorbenko Mykyta Khramov	81
25	Lviv National University of Nature Management (Ukraine)	Modeling of milk transportation processes	Ihor Horodetskyi Mykola Shmorhun	Ruslan Humeniuk Anatoly Tryhuba	81

Nº	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
26	Volodymyr Dahl East Ukrainian National University (Ukraine)	Analysis of technical means of anti-erosion sowing of grain crops and their improvement	Stanislav Baidachenko Viktor Ishchenko	Hryhorii Fesenko Viacheslav Kurlov	80,5
27	National University of Water and Environmental Engineering (Ukraine) Państwowa Wyższa Szkoła Zawodowa w Chełmie (Poland)	Development of a mechanical device for breaking and stacking stems of technical hemp	Pavlo Melnyk Michał Szewezyk	Olena Nalobina Jacek Cyberman	80
28	Mykolaiv National Agrarian University (Ukraine)	Analysis of parameters and development of a rotary tool for surface tillage	Kristina Tsvetkova Anna Levchenko	Vasyl Hruban	79,5
29	National University of Civil Defence of Ukraine (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Study of the formation of parameters of the quality of the surface layer of parts	Olha Zhuravlova Dmytro Salamakha	Anton Chernukha Olena Baranova	79,5
30	Batumi Shota Rustaveli State University (Georgia) Mykolaiv National Agrarian University (Ukraine)	Study of the stress-strain state during thermal loading of metal-graphite nodes	Sulkhan Khozrevanidze Roman Kryvitskyi	Gela Mamuladze Volodymyr Martynenko	79
31	Kremenchuk Mykhailo Ostrohradskyi National University (Ukraine)	Research of the valve electric motor as part of a highly dynamic electric drive	Ihor Voitenko Mykola Petrov	Oleksandr Somka Viktoria Nozhenko	78
32	Kazakh Automobile and road Institute (Kazakhstan)	The use of modern technologies for the purpose of increasing the debt and quality of agricultural machinery parts	Aisultan Narymkul	Ulbalá Murzahmetova	77,5

Nº	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
	Kharkov National Automobile and Highway University (Ukraine)		Elizaveta Orlova	Diana Hlushkova	
33	Separate department of the National university of bioresources and nature management of Ukraine "Nizhyn agrotechnical institute" (Ukraine)	Study of the transport process of transportation of food products in the conditions of the Kyiv region	Alina Miroshnyk Timofey Makievsky	Ilihom Makhmudov	77,5
34	Lutsk National Technical University (Ukraine)	Improvement of the production technology of sapropel fertilizers with the development of a mixing and loading device	Yuriy Khomulko	Serhii Khosmch	77,5
35	Polissia National University (Ukraine)	The effect of preliminary corrosion on the intensity of abrasive wear of the working bodies of tillage machines	Dmytro Rudnik	Konstantyn Borak Volodymyr Kulykivskyi	77,5
36	National University "Zaporizhzhia Polytechnic" (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Implementation of the advanced design solution of the screw press into the processing of oil crop	Ihor Bobrovskyi Igor Ohrimenko	Mykhaylo Frolov Nataliia Dotsenko	76,5
37	National Technical University «Kharkiv Polytechnic Institute» (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Study of technological processes of pasteurization of milk	Dmytro Yurchenko Rustam Nor	Mykola Kundenko Oleksii Sadovyi	76
38	National Technical University «Kharkiv Polytechnic Institute» (Ukraine)	Development of an adaptive irradiation system for a poultry farm	Valeria Pylyuk	Olga Iegorova	75,5

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1	2	3	4	5	6
	Mykolaiv National Agrarian University (Ukraine)		Yurii Honcharenko	Irina Sukovitsina	
39	Dmytro Motornyi Tavria State Agrotechnological University (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Computer design of agricultural machinery units in the Power SHAPE CAD system	Maksym Suprun Nikita Osypov	Oleksandr Vershkov Pavlo Polyansky	73
40	Central Ukrainian National Technical University (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Study of factors affecting the durability of machine parts using the example of a gearbox shaft	Maksym Priadun Maksym Shulhin	Ivan Vasylenko Gennady Ivanov	72,5
41	Dmytro Motornyi Tavria State Agrotechnological University (Ukraine)	Justification of structural and technological characteristics of means for drip irrigation of vineyards	Dmytro Filenko	Dmytro Zhuravel	71
42	Integral University (India) Kherson Educational-Scientific Institute of Admiral Makarov National University of Shipbuilding (Ukraine)	Study of non-contact on-load tap-changer of a power transformer	Saluja Ananya Ivan Kozanchyn	Amit Kumar Viktor Nadtochii	70,5
43	Kremenchuk Mykhailo Ostrohradskyi National University (Ukraine)	Study of impact-friction strengthening of material using a tool with a flat end to form the thickness of the reinforced layer	Andriy Horoshchak Angelica Solonets	Sergii Shlyk Ihor Kuziev	70,5

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1	2	3	4	5	6
44	Vinnytsia National Agrarian University (Ukraine)	Development of a wind-driven electricity and water supply plant	Maxim Kucherenko Maxim Franchuk	Lyudmila Shvets	70,5
45	Vinnytsia National Agrarian University (Ukraine)	Improving the durability and restoration of vehicle parts with increased operational characteristics in the conditions of a state of war	Vasyl Kogut	Olena Trukhanska	70
46	Kremenchuk Mykhailo Ostrohradskyi National University (Ukraine)	Improvement of electromagnetic safety standards for workers engaged in electrical engineering work in the agricultural sector of the economy	Yevhenii Dushkin Tymofii Lukianov	Dmytro Reznik Viacheslav Prus	68,5
47	Jiangsu University of Science and Technology (China) Mykolaiv National Agrarian University (Ukraine)	Increasing of the wear resistance of materials through application of the pre-recrystallization thermal method processing for alloyed steels	Hong Shengzhe Ihor Hodunov	Liang Yu Chen Oleksandr Lymar	64
48	Kherson Educational-Scientific Institute of Admiral Makarov National University of Shipbuilding (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Improvement of the organization of technical maintenance and repair of agricultural transport with improvement of gearbox repair technology	Serhiy Borovyk Anatolii Khodarin	Artem Andreev Yuriy Volosyuk	62
49	Kremenchuk Mykhailo Ostrohradskyi National University (Ukraine)	A life cycle increase of the agricultural machinery by technological means	Anna Demenko	Volodymyr Drahobetskyi	61

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1	2	3	4	5	6
			Alona Leontovich	Ihor Kuziev	
50	Vinnytsia National Agrarian University (Ukraine)	Increasing reliability with innovative conservation technologies of agricultural machinery during storage	Yurii Hendzerskyi	Yurii Paladiychuk	58,5
51	Separated structural subdivision «Nemishaev Professional College of NUBiP of Ukraine» (Ukraine) National University of Life and Environmental Science of Ukraine (Ukraine)	Development of pneumo-mechanical precision seeding device	Diana Didenko Oleksandr Savytskyi	Volodymyr Kovalchuk Pavlo Popyk	58
52	State Biotechnological University (Ukraine)	Investigation of the tractor performance when ballasting its rear half-frame	Zhanna Biletska Roman Dmitriev	Ivan Halych Victor Kiss	57,5
53	Batumi Shota Rustaveli State University (Georgia) Mykolaiv National Agrarian University (Ukraine)	Analysis and structural and technological features of the active part of transformers of special equipment of the agro-industrial complex	Mariam Nakashidze Denys Gerasymchuk	Paata Aroshidze Andriy Stavynskyi	57
54	Huang Shan University (China) Sumy National Agrarian University (Ukraine)	Study of factors affecting the quality of corn sowing with a pneumatic seeder	Xinfa Wang Ruslan Datsenko	Zhang Zhengchuan Tatiana Khvorost	57
55	Kherson Educational-Scientific Institute of Admiral Makarov National University of Shipbuilding (Ukraine)	Technology for removing contaminants from the lubrication system of tractor engines	Denys Misenh Oleksiy Ivanov	Victoria Stanislavivna Natalya Andreeva	57

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1	2	3	4	5	6
56	Kazakh Automobile and road Institute (Kazakhstan) Kharkov National Automobile and Highway University (Ukraine)	Increasing the durability of working elements of agricultural equipment	Leonid Kurenkov Vitaliy Tunik	Ulbalia Murzahmetova Diana Hlushkova	56,5
57	Kazakh Automobile and road Institute (Kazakhstan) Kharkov National Automobile and Highway University (Ukraine)	Improving the quality of welded joints of cast iron	Kyryl Shevtsov Anhelina Shpenovych	Ulbalia Murzahmetova Valerii Bahrov	56,5
58	National University of Civil Defence of Ukraine (Ukraine)	Technological ensuring the durability of parts	Oleksii Novikov Yuri Pavliuk	Anton Chernukha Dmytro Beliuchenko	56,5
59	Academy of Applied Studies Šabac (Serbia) Kharkov National Automobile and Highway University (Ukraine)	Reclamation of disturbed lands using processing waste	Tatjana Marković Dmytro Shavro	Jelena Ignjatović Yliia Kaliuzna	56,5
60	Vinnytsia National Agrarian University (Ukraine)	The use of turbodiesels as energy means is the key to energy saving in the agro-industrial complex	Ivan Nahornjak	Vadim Ryaboshapka	56,5
61	Dnipro State Technical University (Ukraine)	Forcing the excitation voltage of an autonomous synchronous generator with capacitive energy storage	Yaroslav Lobko Yulian Minyailo	Viktor Nizimov	56
62	State Biotechnological University (Ukraine)	Construction of a calculation model for evaluating the efficiency of separation of light seeds on vibrating machines	Olga Yehorova Daria Zadorozhna	Anton Nykyforov Volodymyr Lukyanenko	56

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1	2	3	4	5	6
63	Kharkov National Automobile and Highway University (Ukraine)	Increasing the stability of wheeled machines during repair with modernization	Yuliia Kotova Vladyslav Tsapkov	Yevhen Dubinin Vitalii Shein	56
64	Kazakh Automobile and road Institute (Kazakhstan) Kharkov National Automobile and Highway University (Ukraine)	Cold welding of cast iron with ferrovanadium electrodes	Muzafar Rusulov Denys Lytovka	Ulbal Murzahmetova Nataliia Lalazarova	55,5
65	Dnipro State Technical University (Ukraine)	Optimization by energy indicators of the laws frequency control of asynchronous electric drives	Bogdan Stupak Dmytro Bilko	Oleg Klyuyev	55,5
66	Batum Navigation Teaching University (Georgia) Mykolaiv National Agrarian University (Ukraine)	Modernization of the hydraulic system of a general purpose tractor	Ketevan Melkadze Vladyslav Molchanov	Ketevan Goletiani Vasyl Hruban	55,5
67	Zhejiang International Maritime College (China) Mykolaiv National Agrarian University (Ukraine)	Implementation of the design of the gravity water lift in the production process of animal husbandry products	Wenziyan Vladislav Chaplin	Ivan Bilyuk Olena Gorbenko	55,5
68	National University of Civil Defence of Ukraine (Ukraine)	Technology of strengthening steel parts	Danylo Bulakh Andrii Postoiev	Anton Chernukha Dmytro Beliuchenko	55,5
69	Pervomaisk Educational and Scientific Institute of Admiral Makarov National Shipbuilding University (Ukraine)	The influence of skew and deflection of the rotating shaft on force factors arising in gear joints	Artem Titomyr Yelyzaveta Azanova	Lilia Philipishyna	55,5

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1	2	3	4	5	6
70	Balti State University Alecu Russo (Moldova) Kharkov National Automobile and Highway University (Ukraine)	Increasing the wear resistance of parts of agricultural equipment made of gray cast iron	Viktor Bodnar Oleksandr Ivakhnenko	Vasil Sharagov Nataliia Lalazarova	55
71	Separate department of the National university of bioresources and nature management of Ukraine "Nizhyn agrotechnical institute" (Ukraine)	Study of the transport process during the transportation of oversized cargo in the conditions of Paton Europe LLC, Kyiv.	Mikhailo Rybytskiy Alina Miroshnyk	Ilhom Makhmudov	55
72	Lviv National University of Nature Management (Ukraine)	Management of energy-saving projects of agricultural crops harvesting	Anton Kovalevskyi Vasyl Slepak	Ivan Horodetskyi Andrii Berezovetskyy	55
73	Batumi Shota Rustaveli State University (Georgia) Mykolaiv National Agrarian University (Ukraine)	Development of a device for analyzing the dynamics of process automation control systems	Sopho Gogitidze Snizhana Genserovska	Gela Mamuladze Larysa Vakhonina	55
74	Zhejiang International Maritime College (China) Mykolaiv National Agrarian University (Ukraine)	Justification of the completeness of the line of sour-milk products with the introduction of a device for the production of sour-milk cheese	Panxingbo Oleksandr Pan	Ivan Bilyuk Olena Gorbenko	55
75	National Technical University «Kharkiv Polytechnic Institute» (Ukraine)	Research and development of an energy-saving technological microclimate system	Vitalii Olizarenko Illia Hudzovatyi	Mykola Kundenko	55

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1	2	3	4	5	6
76	Balti State University Alecu Russo (Moldova)	Application of laser thermal strengthening to increase the wear resistance of tool steels	Yelizaveta Sidenko Viktoria Shpenovych	Vasil Sharagov	54,5
	Kharkov National Automobile and Highway University (Ukraine)			Valerii Bahrov	
77	Batumi Shota Rustaveli State University (Georgia)	Comparison of armored magnetic conductor with rectangular and hexagonal EMC for embedding in shells of limited diameter of objects of special equipment	Tornike Saginadze	Badri Gechbaia	54,5
	Mykolaiv National Agrarian University (Ukraine)		Ivan Varfolomiiiev	Aleksey Sadovoy	
78	Integral University (India)	Possibilities of the air space breakdown between the inductor coils during electromagnetic processing of the mel	Kaur Avjeet	Amit Kumar	54,5
	Mykolaiv National Agrarian University (Ukraine)		Volodymyr Turdubakiiev	Vitaly Mardzyavko	
79	Central Ukrainian National Technical University (Ukraine)	Increasing the technological properties of motor oils by mechanical processing	Yevhen Tarasenko	Ivan Vasylenko	54,5
			Mariia Liutikova		
80	Sumy National Agrarian University (Ukraine)	Study of quality indicators of pre-sowing tillage by cultivators	Yaroslav Fenenko	Farida Kharchenko	54,5
			Anton Hrechanyi		

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1	2	3	4	5	6
81	National Technical University «Kharkiv Polytechnic Institute» (Ukraine)	Development of an irradiation installation for long-stemmed plants	Dmytro Verbytsky Oleksii Duniakov	Iryna Shynkarenko	54,5
82	Poltava State Agrarian University (Ukraine)	Improvement of mechanized technology of potato growing	Dmytro Keda Pavlo Hnylosyr	Viacheslav Padalka	54,5
83	Polissia National University (Ukraine)	Renewable energy of the 21st century. Main problems and solutions	Vadym Demianchuk	Oleksandr Medvedsky	54,5
84	Dnipro State Technical University (Ukraine)	Development of a system of vector field oriented control of an asynchronous electric drive for position-trajective control of movable objects of robotics	Mykhailo Chernikov Rostyslav Baranenko	Yulia Sokhina	54
85	Sumy National Agrarian University (Ukraine)	Study of the effectiveness of the use of plowing units	Artem Machushko Mykhailo Hetman	Iryna Rybenko	54
86	Sumy State University (Ukraine)	Normative provision of calibration of grain moisture meters	Yaroslav Klok Oleksii Zayets	Oleksandr Ivchenko Yuliia Denysenko	54
87	National University of Civil Defence of Ukraine (Ukraine)	Technological process of die casting	Ihnat Hrabovskyi Oleksandr Isakov	Anton Chernukha Dmytro Beliuchenko	54
88	Dmytro Motornyi Tavria State Agrotechnological University (Ukraine)	Research on the quality of surface treatment of agricultural products	Valentyn Prytula	Halyna Antonova	54

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1	2	3	4	5	6
1	Mykolaiv National Agrarian University (Ukraine)		Ihor Kharkov	Pavlo Polyansky	
89	Polissia National University (Ukraine)	Organic food production as a priority of food security of Ukraine: problems and prospects	Denys Lipinskyi	Oleksandr Medvedsky	54
90	Academy of Applied Studies Šabac (Serbia) Kharkov National Automobile and Highway University (Ukraine)	Improving environmental safety in the operation of motorised agricultural machinery	Miloš Kovačević Oleksandr Pavlov	Jelena Ignjatović Nataliia Prokopenko	54
91	Separated structural subdivision «Nemishaevo Professional College of NUBiP of Ukraine» (Ukraine) National University of Life and Environmental Science of Ukraine (Ukraine)	Increasing the reliability of plate-type vacuum pumps	Oleksandr Pavlovskyi Vladyslav Soldatov	Oleksandr Spodoba Oleksandr Bannyi	54
92	Balti State University Alecu Russo (Moldova) Kharkov National Automobile and Highway University (Ukraine)	Investigation of the influence of the composition of protective gas mixtures on the quality of welded joints from aluminum - magnesium alloys	Dmytryi Demchukov Viktoriia Shpenovych	Vasil Sharagov Valerii Bahrov	53,5
93	Lviv National University of Nature Management (Ukraine)	Analysis of processes of formation of traumatic situations on a livestock farm	Oleksii Havryshkiv Ivan Lesyk	Ivan Horodetskyi Ihor Mazur	53,5
94	National University of Life and Environmental Science of Ukraine (Ukraine)	Tracked machine	Andrii Pushchyk	Daria Lemishko	53,5
95	National University of Civil Defence of Ukraine (Ukraine)	Dynamic eddy current method of checking the type of metals	Vladyslav Konoriev	Anton Chernukha	53,5

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1	2	3	4	5	6
			Oleksandr Mykhailenko	Dmytro Beliuchenko	
96	Separated structural subdivision «Nemishaevo Professional College of NUBiP of Ukraine» (Ukraine) National University of Life and Environmental Science of Ukraine (Ukraine)	Increasing the reliability of the segment-finger cutting device	Anton Mykolenko Yevhen Onufran	Oleksandr Spodoba Oleksandr Bannyi	53,5
97	Kazakh Automobile and road Institute (Kazakhstan) Kharkov National Automobile and Highway University (Ukraine)	Increasing the performance of welded joints of agricultural equipment by electromagnetic processing	Yelaman Borambai Oleksandr Vozniuk	Ulbal Murzahmetova Nataliia Lalazarova	53
98	Dnipro State Technical University (Ukraine)	Full control asynchronous motor with a phase rotor	Oleksandr Shurupov Kirill Chernenko	Yuriy Shramko	53
99	Separate department of the National university of bioresources and nature management of Ukraine "Nizhyn agrotechnical institute" (Ukraine)	Study of the transport process of transportation of agricultural products in the conditions of "Lotiva Elite" LLC of the Khmelnytskyi region.	Maksim Bezruchenkov Mikhailo Rybytskiy	Ilhom Makhmudov	53
100	Batumi Shota Rustaveli State University (Georgia) Mykolayiv National Agrarian University (Ukraine)	Study of dynamic processes of bus ducts of substations of agro-industrial complex	Luka Koncelidze Andriy Bolyak	Gela Mamuladze Oleksandr Tsyganov	53
101	Central Ukrainian National Technical University (Ukraine)	Study of the effectiveness of changing the geometric parameters of cultivator paws on its operation	Andrii Kostryk Vladyslav Samilsky	Ivan Vasylenko	53

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1	2	3	4	5	6
102	Sumy National Agrarian University (Ukraine)	Justification of the optimal composition of the machine unit for pre-sowing tillage	Serhii Lytvynenko Eduard Mosiienko	Maryna Mikulina	53
103	Sumy State University (Ukraine)	Modeling of the processing of cylindrical holes in products made of polymer composite materials	Danylo Potomaha Bohdan Medvedev	Anna Neshta Ivan Dehtiarov	53
104	National University of Life and Environmental Science of Ukraine (Ukraine)	Fuel	Tatiana Yatsenko	Juliana Koliesnik	53
105	National University of Water and Environmental Engineering (Ukraine) Państwowa Wyższa Szkoła Zawodowa w Chełmie (Poland)	Study of the process of feed mixing with a screw mixer	Andrii Antonchuk Ira Cyberman	Andrii Shymko Jacek Cyberman	53
106	State Biotechnological University (Ukraine)	Problems of sowing and growing of cultural plants in Ukraine during the time of martial status	Nadiia Rashevska Sofia Zharinova	Natalia Ryzhikova	52,5
107	Pervomaisk Educational and Scientific Institute of Admiral Makarov National Shipbuilding University (Ukraine)	Repair and restoration of sliding bearings of agricultural machinery	Oleksandra Zaporozets Yana Vusyk	Lilia Philipishyna	52,5
108	Pervomaisk Educational and Scientific Institute of Admiral Makarov National Shipbuilding University (Ukraine)	Increasing the complex of physical, mechanical and operational properties of functional plasma coatings when used in mechanical engineering and agricultural machinery	Yana Miroshnyk Mykola Pyshniuk	Lilia Philipishyna	52,5

№	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
109	Balti State University Alecu Russo (Moldova)	Increase of wear resistance and restoration of worn surfaces of parts of friction units of machinery using eil methods	Vadim Goncharyuk	Vasil Sharagov	52
	Kharkov National Automobile and Highway University (Ukraine)		Svitlana Shpenovych	Valerii Bahrov	
110	Central Ukrainian National Technical University (Ukraine)	Study of the effect of changing the geometrical parameters of the tooth on the load-bearing capacity	Kostiantyn Kozakov Valentyn Parfeniuk	Ivan Vasylenko	52
111	Sumy State University (Ukraine)	Study of vibrational movements of the machined material influence on the quality of holes when drilling CFRP / metal stack	Andrii Kornienko Anton Serebrianskiy	Vitalii Kolesnyk	52
112	Sumy State University (Ukraine)	Analysis and development of a vibrating excavation device of a beet harvesting machine	Viktor Pylypenko	Borys Stupin	52
	Mykolayiv National Agrarian University (Ukraine)		Vitaliy Zhyhalo	Vasyl Hruban	
113	Dmytro Motornyi Tavria State Agrotechnological University (Ukraine)	Designing the surface of the tractor turbocharger channel	Svitlana Uskova	Oleksandr Matsulevych	52
	Mykolayiv National Agrarian University (Ukraine)		Ivan Shostenko	Pavlo Polyansky	
114	Lutsk National Technical University (Ukraine)	Improving the technology of growing organic potatoes	Dmytro Tarasyuk	Volodymyr Didukh	52
115	Polissia National University (Ukraine)	Modeling of changes in the mass of injured potato tubers during long-term storage	Nazar Savin	Ivan Grabar	52

№	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
116	Central Ukrainian National Technical University (Ukraine)	Study of the technical parameters of the gear reducer with gear misalignment	Mykhailo Kalynovskiy Oleksii Voichenko	Ivan Vasylenko	51,5
117	Sumy National Agrarian University (Ukraine)	Study of factors affecting soil cultivation quality indicators	Ivan Spychak Vladyslav Melnyk	Vladyslav Herasymenko	51,5
118	Separated structural subdivision «Nemishaevo Professional College of NUBiP of Ukraine» (Ukraine) National University of Life and Environmental Science of Ukraine (Ukraine)	Study of the technical condition and increase of the resource of the parts of hydraulic cylinders	Mykola Salivon Anna Shchekalova	Olha Bilan Andrii Novytskyi	51,5
119	Separate department of the National university of bioresources and nature management of Ukraine "Nizhyn agrotechnical institute" (Ukraine)	Study of the transport process during the transportation of milk and dairy products under the conditions of the Nizhyn City Mill Plant of the State Enterprise "Aromat"	Andriy Yurchenko Maksim Bezruchenkov	Ilhom Makhmudov	51
120	Zhejiang International Maritime College (China) Mykolaiv National Agrarian University (Ukraine)	Implementation of the improved design of the crusher in the technological process of tomato processing	Xuhaoxin Evgeniy Zhuk	Ivan Bilyuk Olena Gorbenko	51
121	Jiangsu University of Science and Technology (China)	Modernization of the process of the exhaust system for engines	Wang Cheng Nuo	Liang Yu Chen	51

No	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
	Mykolaiv National Agrarian University (Ukraine)		Bohdan Bezvitelnov	Oleksandr Lymar	
122	SHEI Pryazovskyi State Technical University (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Increasing economy and reducing harmful emissions of diesel when working on rope oil	Alina Bolgarina Stanislav Popruzhuk	Maryna Kravchenko Dmytro Marchenko	51
123	National University of Life and Environmental Science of Ukraine (Ukraine)	Assessment of the technical condition and improvement of the reliability of hydraulic distributor housings	Mykola Yurchuk Yaroslav Pohoril'y	Andrii Novytskyi Oleksandr Bystryi	51
124	Dmytro Motornyi Tavria State Agrotechnological University (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Technical preparation for the production of the cut disc of the BDV harrow - 7	Karyna Valiieva Dmytro Shostenko	Larysa Bondarenko Pavlo Polyansky	51
125	Lviv National University of Nature Management (Ukraine)	Study of process parameters of chemical protection of plants by spraying	Dmytro Migulka Oleh Khomik	Ruslan Humeniuk Yaroslav Semen	50,5
126	Jiangsu Ocean University (China) Mykolayiv National Agrarian University (Ukraine)	Study of the peculiarities of the technological process of processing fruit raw materials with justification of the choice of complete equipment	Zhu Baichuan Maksym Bryzhalov	Ivan Bilyuk Mykyta Khramov	50,5
127	SHEI Pryazovskyi State Technical University (Ukraine)	Increasing the resource of restored working bodies of machines for continuous soil processing taking into account the conditions of their use	Mykhailo Lukash	Tetiana Gorokhova	50,5

No	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
	Mykolaiv National Agrarian University (Ukraine)		Maxim Litvinov	Dmytro Marchenko	
128	National University of Water and Environmental Engineering (Ukraine) Państwowa Wyższa Szkoła Zawodowa w Chełmie (Poland)	Development of a portioned vertical screw mixer for bulk feed	Yurii Kotaia Radoslaw Solak	Mykola Holotiuk Jacek Cyberman	50,5
129	Lviv National University of Nature Management (Ukraine)	Determination of parameters of heat treatment of parts (using the example of a rod)	Mykola Kryvonizhka Zinovii Fesyk	Andrii Sharybura Ruslan Humeniuk	50
130	Akademia WSB w Dąbrowie Górnictwnej (Poland)	Increasing the efficiency and reducing the costs of corn transportation by using an intermediate "compensator"	Cemil Ersoy Maksym Borodai	Yurii Vitkovskyi Mykola Kundenko	50
131	Polissia National University (Ukraine)	Energy potential of low-temperature energy sources	Ruslan Harmanchuk	Oleksandr Medvedsky	50
132	Separate department of the National university of bioresources and nature management of Ukraine "Nizhyn agrotechnical institute" (Ukraine)	Development of the transport and production process for the transportation of products of the woodworking industry in the conditions of the Forest Complex Branch of the State Enterprise "Lyuboml Forestry"	Timofey Makievsky Andriy Yurchenko	Ilhom Makhmudov	49,5
133	Anhui University of Science and Technology (China) Sumy National Agrarian University (Ukraine)	Increasing the efficiency of soil cultivation with disc tools	Jiafei Pu Bohdan Natalych	Zhang Zhengchuan Mykhailo Shuliak	49,5
134	Sumy State University (Ukraine)	Modeling of the process of circular mortise grinding	Makarenko Dmytro Oleksii Tverezovsky	Artem Yevtuhov Pavlo Kushnirov	49,5

No	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
135	Kherson Educational-Scientific Institute of Admiral Makarov National University of Shipbuilding (Ukraine)	Increasing fuel efficiency and reducing environmental indicators of internal combustion engines of agricultural machinery	Yehor Kazenov Yevhen Kotyel'nikov	Ivan Kalinichenko Denys Shalapko	49,5
136	Kremenchuk flight college of Kharkiv National University of Internal Affairs (Ukraine)	Hydropower and energy security of Ukraine	Anastasiia Kyrylova Yaroslav Rylov	Mykhailo Ryzhyk	49,5
137	State Biotechnological University (Ukraine)	The application of manure as the key to a high yield	Andriy Yurkevych Pavlo Sereda	Oleksandr Romanashenko Victor Melnyk	49
138	Xinyang Vocational and Technical College (China) Sumy National Agrarian University (Ukraine)	Increasing the efficiency of interrelated technological operations	Dongmei Liu Yaroslav Kuzmiv	Zhang Zhengchuan Vladyslav Zubko	49
139	Jiangsu University of Science and Technology (China) Mykolaiv National Agrarian University (Ukraine)	Study of the characteristics of the operating conditions of asrt coolants of diesel locomotives	Li Xin Chen Maxim Khazhanets	Liang Yu Chen Oleksandr Lymar	49
140	SHEI Pryazovskyi State Technical University (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Increasing the efficiency of using machine and tractor units by using fuel with a modifier	Maksym Sidiakin Eduard Savchenko	Maksym Maltsev Dmytro Marchenko	49
141	Jiangsu Ocean University (China) Mykolaiv National Agrarian University (Ukraine)	The development of the technological process of processing grapes with the justification of the choice of the design solution of the machine for crushing raw materials	Zhang Haodi Roman Kryvoruchko	Ivan Bilyuk Mykyta Khramov	48,5

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1	2	3	4	5	6
142	National University "Zaporizhzhia Polytechnic" (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Justification of the constructive solution of the device for filling cans	Oleksii Bevz Oleksandr Gergalo	Mykhaylo Frolov Nataliia Dotsenko	48,5
143	Separated structural subdivision «Nemishaevo Professional College of NUBiP of Ukraine» (Ukraine) National University of Life and Environmental Science of Ukraine (Ukraine)	Study of defects of the chair foot of the cultivator	Oleksandr Diachenko Ihor Yuvchenko	Mykola Denysenko Yulii Revenko	48,5
144	Zhejiang International Maritime College (China) Mykolaiv National Agrarian University (Ukraine)	Justification of the implementation of the improved design of the root crop chopper in the process of preparing fodder for feeding	Zhubaiyu Sergiy Hystyk	Ivan Bilyuk Olena Gorbenko	48
145	Kherson Educational-Scientific Institute of Admiral Makarov National University of Shipbuilding (Ukraine)	The effect of adjusting gas distribution phases on the combustion parameters of tractor engines	Yevhen Kotyel'nikov Daniil Chaika	Denys Shalapko Elena Subotkyna	48
146	National University "Zaporizhzhia Polytechnic" (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Justification of the construction and technological parameters of the separator of the vegetable and melon seed processing line	Roman Notchenko Oleg Stebliuk	Mykhaylo Frolov Nataliia Dotsenko	48
147	Integral University (India) Mykolaiv National Agrarian University (Ukraine)	Manufacturing technology of the welded beam of the grab loader	Naimi Shifa Dmytro Lennyi	Amit Kumar Oleksandrovich Volodymyr	47,5

Nº	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
148	Pervomaisk Educational and Scientific Institute of Admiral Makarov National Shipbuilding University (Ukraine) Admiral Makarov National University of Shipbuilding (Ukraine)	The influence of gears with modified teeth on the vibroacoustic characteristics of agricultural machinery	Viktoria Shukayeva Serhiy Pankov	Lilia Philipishyna Maksym Bobrov	47,5
149	National University of Water and Environmental Engineering (Ukraine) Państwowa Wyższa Szkoła Zawodowa w Chełmie (Poland)	Development of a machine for deep loosening of soil	Oleksandr Tkachuk Sylwia Plata	Oleh Bundza Jacek Cyberman	47,5
150	Xinxiang University (China) Sumy National Agrarian University (Ukraine)	Research on the effectiveness of using cultivators for pre-sowing soil cultivation	Du Xin Oleksandr Lukash	Zhang Zhengchuan Mykhailo Dumanchuk	47
151	National University "Zaporizhzhia Polytechnic" (Ukraine) Mykolayiv National Agrarian University (Ukraine)	Justification of design and mode parameters of feed grain crushers	Dmytro Didukh Stanislav Rizhiy	Mykhaylo Frolov Natalia Dotsenko	47
152	National University "Zaporizhzhia Polytechnic" (Ukraine) Mykolayiv National Agrarian University (Ukraine)	Choice and justification of the rational method grain storage in silage-type storage	Serhii Surkov Roman Bilozor	Mykhaylo Frolov Natalia Dotsenko	47
153	Kremenchuk flight college of Kharkiv National University of Internal Affairs (Ukraine)	Improving the quality of avionics power supply to ensure the stability of digital modules	Kirill Protopopov Denys Hekalo	Yurii Stushchanskyi	47

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1	2	3	4	5	6
154	National University of Water and Environmental Engineering (Ukraine) Państwowa Wyższa Szkoła Zawodowa w Chełmie (Poland)	Study of the effect of biofuel on the operation of the fuel equipment of diesel engines	Maksym Fomych Piotrzkiewicz Aleksandra	Mykola Holotiuk Jacek Cyberman	46,5
155	SHEI Pryazovskyi State Technical University (Ukraine) Mykolaiv National Agrarian University (Ukraine)	Increasing the efficiency of using soil tillage units when ballasting powerful wheel tractors	Mykhailo Zaviznyi-Yurtin Nikita Osipov	Tetyana Vader Dmytro Marchenko	46
156	Kharkov National Automobile and Highway University (Ukraine)	Assessment of the modernization resource of agro-engineering objects based on systemic structural and functional models	Yaroslav Hrydasov Stanislav Voronkov	Yurii Dudukalov Yevhen Dubinin	46
157	ISMA University of Applied Sciences (Latvia) Mykolaiv National Agrarian University (Ukraine)	Analysis of technologies for growing grain crops in the conditions of this agricultural enterprise	Oleksandr Moisei Ruslan Karpov	Viktoria Riashchenko Vasyl Hruban	45,5
158	Akaki Tsereteli State University (Georgia) Kharkov National Automobile and Highway University (Ukraine)	Ddegradation of phytocenosis	Vika Kvartskhava Yelyzaveta Lub	Maia Gabunia Ganna Zhelnovach	45,5
159	Mykolaiv National Agrarian University (Ukraine)	Modernization of the threshing drum of the grain harvester KZS-9-1 "Slavutych"	Ivan Palyanytsia Viktor Goncharov	Vasyl Hruban	45
160	Jiangsu University of Science and Technology (China) Mykolaiv National Agrarian University (Ukraine)	Increasing the reliability of friction pairs when using composite metal-ceramic coatings	Fan Xiaoya Dmytro Myhailyk	Liang Yu Chen Oleksandr Lymar	44,5

Nº	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
161	Academy of Applied Studies Šabac (Serbia) Kharkov National Automobile and Highway University (Ukraine)	Soil pollution by petroleum products during the operation of mechanized vehicles	Miloš Kovačević Anastasija Arkhypchenko	Jelena Ignjatović Natalia Vnukova	44,5
162	O.M. Beketov National University of Urban Economy in Kharkiv (Ukraine)	Peculiarities of calculating the stability of electric power systems with electric motors	Dmytro Chebanov Chirikov Andrii	Marina Glebova Vitaly Mardzyavko	44,25
163	Akademia WSB w Dąbrowie Górniczej (Poland) National Technical University «Kharkiv Polytechnic Institute» (Ukraine)	Improvement of the sugar beet delivery process during harvest	Maksymilian Vitkovskyi Viacheslav Olizarenko	Yurii Vitkovskyi Mykola Kundenko	44
164	Pervomaisk Educational and Scientific Institute of Admiral Makarov National Shipbuilding University (Ukraine) Admiral Makarov National University of Shipbuilding (Ukraine)	Increasing the load capacity of gears	Vasyl Puzyruk Dmytro Norov	Lilia Philipishyna Maksym Bobrov	44
165	Poltava State Agrarian University (Ukraine)	Waste use as secondary material resources	Andrii Tiutchenko Yuri Nakisko	Sergii Liashenko	44
166	Poltava State Agrarian University (Ukraine)	Prerequisites for designing agricultural tillage machines in the no-till system	Vitalii Maksimov Oleksandr Lohvynenko	Oleksii Burlaka	44

Nº	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
167	Kremenchuk flight college of Kharkiv National University of Internal Affairs (Ukraine)	Aspects of modernization of aircraft power supply complexes using alternative energy sources	Pavlo Rozenberh Ivan Nichyporuk	Alona Khebda	43
168	Jiangsu Ocean University (China) Mykolaiv National Agrarian University (Ukraine)	Rationale for a rational way of storing grain mass in silo-type storage facilities	Wu Keting Oleksandr Hubenko	Ivan Bilyuk Mykyta Khramov	42,5
169	Zhejiang International Maritime College (China)	Seed processing technologies sunflower for oil	Shenjunyi Caohuasong	Ivan Bilyuk	42,5
170	Jiangsu Ocean University (China) Mykolaiv National Agrarian University (Ukraine)	Justification of the implementation of the proposed shredder-wiper designs in technological process of tomato processing	Fu Zihan Eduard Savchenko	Ivan Bilyuk Mykyta Khramov	42
171	Jiangsu University of Science and Technology (China) Mykolaiv National Agrarian University (Ukraine)	Modernization of the control system of the electric motor with a frequency converter to control the speed of rotation of the pump	Ying Aoyue Viktor Kravets	Liang Yu Chen Oleksandr Lymar	42
172	Jiangsu Ocean University (China)	Study of the peculiarities of the technological process of grain harvesting with substantiation of the parameters and modes of operation of the waiting harvester	Pan You	Ivan Bilyuk	41,5

Nº	Institution of higher education, country	Title of work	Author (s)	Supervisor (s)	Average score
1	2	3	4	5	6
	Mykolaiv National Agrarian University (Ukraine)		Illia Klimanskyi	Mykyta Khramov	
173	Integral University (India) Mykolaiv National Agrarian University (Ukraine)	Technologies of manufacturing drums of belt conveyors	Naimi Adeeba Anna Bilichenko	Amit Kumar Ruslan Churylo	41
174	Admiral Makarov National University of Shipbuilding (Ukraine)	Simulation modeling of the processes of transshipment of zeppelin cultivators at the sea terminal	Serhiy Haidai Volodymyr Zrodnikov	Anatoliy Shevtsov	39
175	Kharkov National Automobile and Highway University (Ukraine)	Changing the energy parameters of a autotractor engine with a different number of working cylinders	Ihor Burakov Mykola Hladkyi	Andrii Molodan Yurii Dudukalov	37,5
176	Kherson Educational-Scientific Institute of Admiral Makarov National University of Shipbuilding (Ukraine)	Development of a planned and warning system for maintenance and repair of tractors and agricultural machines	Yaroslav Razbits'kyy Denys Misenh	Andriy Andreev Victoria Khomenko	35,5
177	National Technical University «Kharkiv Polytechnic Institute» (Ukraine)	Determining the energy efficiency of using the Grow Box system for growing strawberries	Pavlo Vysochyn Andrii Heldyshev	Olga Iegorova	34,5
178	O.M. Beketov National University of Urban Economy in Kharkiv (Ukraine)	Study of operation of controlled shunting reactors	Vladislav Chizhyk Volodymyr Turdubakiiev	Yana Forkun Vitaly Mardzyavko	33,25
179	O.M. Beketov National University of Urban Economy in Kharkiv (Ukraine)	Use of the latest technologies to improve the efficiency and reliability of electrical networks	Kyrylo Yatchenko Artem Pryimak	Marina Glebova Vitaly Mardzyavko	32,5
180	Poltava State Agrarian University (Ukraine)	Business plan. Provision of services for anticorrosion treatment of motor vehicles	Viktor Yarchevskyi Vasyl Yatsenko	Anton Kelemesh	32,5

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1	2	3	4	5	6
181	Akademia WSB w Dąbrowie Górnictwnej (Poland)	Justification of the choice of design and modes of operation of the grinding module of the machine for grinding and rubbing tomatoes	Salim Hallouche Razi Mustafazade	Yurii Vitkovskyi	31,5
182	Akademia WSB w Dąbrowie Górnictwnej (Poland)	Development of the technological process for the production of compound feed with justification of the choice of the structure of the unit for the preparation of compound feed	Yetunde Owonikoko Katarzyna Surma	Yurii Vitkovskyi	31
183	Akademia WSB w Dąbrowie Górnictwnej (Poland)	Development of a technological process for the bakery products	Omar Wasil Rahman Demir Nese Nur Tugba	Yurii Vitkovskyi	31
184	O.M. Beketov National University of Urban Economy in Kharkiv (Ukraine)	Technical means of increasing safety in the operation of single-phase networks with voltage up to 1 kV	Anna Uharova Ihor Mashkin	Oleksiy Iegorov Vitaly Mardzyavko	30,5
185	Admiral Makarov National University of Shipbuilding (Ukraine)	Development of a system for portoflot ships	Ivan Ziatkovskiy Pavlo Kalachov	Anatoliy Kazarezov	29,25
186	Kharkiv National Automobile and Highway University (Ukraine)	Formation of a complete set of technological solutions for the integrated optimization of technical systems of agro-industrial production	Serhii Frolov Dmytro Maraiev	Yurii Dudukalov Vitalii Shein	29
187	Admiral Makarov National University of Shipbuilding (Ukraine)	Assessment of the load capacity of reducers in case of misalignment of gear wheel shafts	Artem Syrovotka Ihor Provorotniy	Oleksandr Herasin	28

Chairman of the Jury

Secretary of the Jury

May 17, 2023

Oleksii SADOVYI

Pavlo POLYANSKY