

**APPROVED**

Deputy Chairman of the Organizing  
Committee

  
Dmytro BABENKO

June 3, 2024

**Rating of research project submitted to the International Student Professional Creative Competition  
“Agricultural Sciences and Food” in agroengineering, II stage**

№ з/п	ЗВО, країна	Назва проекту	Автор(и)	Керівник(и)	Кількість балів у 1 турі	Кількість балів у 2 турі	Загальна кількість балів	Диплом, ступінь
1	2	3	4	5	6	7	8	9
1	Kremenchuk Mykhailo Ostrohradskiy National University (Ukraine)	Diagnostic complex for reliability tests of induction motors	Bohdan Raida Mykyta Romanenko	Oleksandr Somka	196,00	18,60	214,60	I I
2	State Biotechnological University (Ukraine)	Increasing the production efficiency of crop production by developing an autonomous robot	Usenko Yan Bezverkhyi Yevhenii	Roman Antoshchenkov Ivan Halych	191,00	20,50	211,50	I I
3	National University "Zaporizhzhia Polytechnic" (Ukraine)	The use of a polymeric component in lubricating and cooling agents (LCA) to improve the quality of the machined surface in modern agricultural machinery	Dmytro Perviciev	Mykhaylo Frolov Volodymir Tsyganov	190,00	20,95	210,95	I
4	National University of Life and Environmental Science of Ukraine (Ukraine)	Research on wear dynamics and evaluation of the technical condition of parts of the feed chopper's grinding chamber	Daryna Yaremchuk Olha Druz	Andriy Novytskyi Valentyna Melnyk	186,00	24,75	210,75	I I

1	2	3	4	5	6	7	8	9
5	Kharkov National Automobile and Highway University (Ukraine)	Current methods of promotional operation of slider wheels	Valeriya Serokurova	Diana Hlushkova	190,00	18,10	208,10	I
			Vitaly Sharovka					I
6	Vinnitsia National Agrarian University (Ukraine)	Development and research of the technological process wood shredder by a mobile unit	Andriy Dyachenko	Olena Trukhanska	186,00	21,75	207,75	I
7	Poltava State Agrarian University (Ukraine)	Improvement of the technology of the processing of flowering cultures	Stanislav Frolov	Oleksandr Gorbenko	185,00	22,15	207,15	I
			Vadim Shchypochka					I
8	Mykolayiv National Agrarian University (Ukraine)	Main pump drive using electromagnetic bearings	Oleksandr Khasachikh	Oleksii Sadovy	185,00	20,90	205,90	I
			Artem Petrov	Ruslan Churylo				I
9	Lviv National Environmental University (Ukraine)	Study of comfort and safety values of passenger seats in city buses	Nazarii Levko	Ruslan Humeniuk	184,00	21,45	205,45	I
			Vitaly-Petro Shurak	Vitaly Vlasovets				I
10	National University of Civil Defence of Ukraine (Ukraine)	Modernization of the constructive solution of the vegetable and melon seed separator	Alieksieiev Oleksiy	Evgeniy Rybka	185,00	19,15	204,15	I
	Mykolayiv National Agrarian University (Ukraine)		Ivan Osmiatkin	Nataliia Dotsenko				I

1	2	3	4	5	6	7	8	9
11	Sumy National Agrarian University (Ukraine)	Justification of the root vegetable cleaner	Mikola Ponomarov Andrij Zaplusvicka	Irina Ribenko	180,00	19,65	199,65	I I
12	National University of Civil Defence of Ukraine (Ukraine) Mykolayiv National Agrarian University (Ukraine)	Improvement of the technological process of production of sour milk cheese with the implementation of a modernized design of the device for fermentation	Angelina Liashenko Vladislav Zayarniy	Tiurina Dina Olena Gorbenko	174,00	19,40	193,40	II II
13	National Technical University «Kharkiv Polytechnic Institute» (Ukraine) Mykolayiv National Agrarian University (Ukraine)	Development of a mini thermal power plant based on a dual-fuel diesel engine	Pavlo Zubchenko Dmytro Zhigulin	Mykola Kundenko Oleksandr Lymar	175,00	16,85	191,85	II II
14	Państwowa Wyższa Szkoła Zawodowa w Chełmie (Poland) National University of Water and Environmental Engineering (Ukraine)	Development of a machine for combating tall weeds	Oleksandra Piotrkevich Sofia Davydiuk	Jacek Cymerman Oleh Bundza	165,00	25,63	190,63	II II
15	Kharkov National Automobile and Highway University (Ukraine)	An alternative method for evaluating the concordance of test results agricultural machinery	Julia Kotova Karyna Surzhko	Andrii Korobko Vitalii Shein	169,00	21,45	190,45	II II

1	2	3	4	5	6	7	8	9
16	Poltava State Agrarian University (Ukraine) Uniwersytet Opolski (Poland)	Grain drying technology using alternative energy sources	Samson Kolotiy	Taras Lapenko	169,00	19,95	188,95	II
			Andzrej Czernychowski	Hryhorii Lapenko				II
17	Dmytro Motornyi Tavria State Agrotechnological University (Ukraine) Kremenchuk Mykhailo Ostrohradskyi National University (Ukraine)	Improving the controllability of wheeled MTA by using adaptive steering	Oleksii Yehorov	Andrii Bondar	172,00	15,50	187,50	II
			Oleksandr Kuzmin	Oleksandr Somka				II
18	Separate department of the National university of bioresources and nature management of Ukraine "Nizhyn agrotechnical institute" (Ukraine)	Improvement of the transportation process during the transportation of water in the conditions of the enterprise "Aquabalance"	Elizaveta Sergunina	Ilhom Makhmudov	170,00	16,70	186,70	II
			Ruslan Kostyuk					II
19	Kremenchuk Mykhailo Ostrohradskyi National University (Ukraine)	Hybrid electrical supply system of the automatic controller of the heat point of the greenhouse complex with local subsystems for control of microclimate parameters	Viktor Hladkyi	Serhii Yakymets	165,00	17,63	182,63	II
			Oleh Levchenko	Viktoriiia Nozhenko				II
20	Dniprovsky State Technical University (Ukraine)	Synthesis of a positional electric drive quasi-optimal in speed under conditions of load torque uncertainty	Denis Patinka	Oleksandr Derets	157,00	23,95	180,95	II
			Yury Zhidko					II
21	Mykolayiv National Agrarian University (Ukraine)	Increasing the operational characteristics of machine parts	Maxim Shulgin	Olena Baranova	159,00	21,80	180,80	II
			Maksym Kocherzhenko	Serhiy Stepanov				II

1	2	3	4	5	6	7	8	9
22	Central Ukrainian National Technical University (Ukraine)	Justification of the parameters of the coulters for direct sowing	Bohdan Bilostotskyi Andrii Vovchuk	Olena Luzan	157,00	22,00	179,00	II II
23	Mykolayiv National Agrarian University (Ukraine)	Development and analysis of design parameters of tools for surface tillage of the rotary type	Victoria Rusavska Oleh Tyma	Vasyl Hruban	155,00	23,53	178,53	II II
24	Admiral Makarov National University of Shipbuilding (Ukraine) Mykolayiv National Agrarian University (Ukraine)	Increasing the economic efficiency of the tractor engine using fuel saturation with hydrogen.	Artem Shatailov Bohdan Chuprina	Denis Shalapko Irina Sukovitsina	157,00	19,45	176,45	II II
25	Sumy State University (Ukraine) Mykolayiv National Agrarian University (Ukraine)	Increase of the technological parameters of the planetary machine for separation of eggplant seeds	Shulga Vladyslav Dmytro Mehes	Vitalii Ivanov Gennady Ivanov	153,00	21,85	174,85	II II
26	Kharkov National Automobile and Highway University (Ukraine)	Structure and properties of chrome coatings, which are formed by ion plasma spraying	Artem Matronenko Savon Stanislav	Diana Hlushkova	152,00	21,55	173,55	II II
27	Kremenchuk Mykhailo Ostrohradskyi National University (Ukraine) Central Ukrainian National Technical University (Ukraine)	Ensuring energy efficiency building structures and their engineering systems	Vitalii Hnoiiovyi Iryna Ptashnyk	Viacheslav Prus Kateryna Petrova	145,00	26,30	171,30	III III

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28	SHEI «Pryazovskyi State Technical University» (Ukraine)	Development of a stand for debugging control systems through cellular communication	Maksym Kovalchuk Dmytro Markov	Olga Savenko	147,00	21,35	168,35	III III
29	O.M. Beketov National University of Urban Economy in Kharkiv (Ukraine)	Study of the influence of the geometry of the active part of an induction motor on the harmonic composition of induction in the air gap	Oleksandr Senenko Tetyana Trokhymets	Oleksiy Iegorov	145,00	20,50	165,50	III III
30	Dmytro Motornyi Tavria State Agrotechnological University (Ukraine)	Development of a model for the development of small forms of quail breeding	Artur Starychenko Trokhym Zorba	Boris Boltianskyi Larysa Boltianska	144,00	21,20	165,20	III III
31	Kremenchuk Mykhailo Ostrohradskyi National University (Ukraine)	Energy control and energy-efficient management of electric machines	Matvii Ivanchenko Vadym Mozgovyi	Viacheslav Prus Andrii Gladyr	143,00	21,85	164,85	III III
32	Kyiv National University of Construction and Architecture (Ukraine) Kremenchuk Mykhailo Ostrohradskyi National University (Ukraine)	Study of the peculiarities of the technological process of processing fruit raw materials with justification of the choice of complete equipment	Illia Petrusha Anastasiia Pryhodko	Maksym Delembovskyi Viacheslav Prus	144,00	19,16	163,16	III III
33	Admiral Makarov National University of Shipbuilding (Ukraine) Mykolayiv National Agrarian University (Ukraine)	Research on the application of an electrohydraulic nozzle to the operation of a tractor internal combustion engine	Anna Shalapko Volodymyr Golubev	Natalya Andreeva Vitaly Mardzyavko	140,00	22,55	162,55	III III

1	2	3	4	5	6	7	8	9
34	Robert Elvorti Economics And Technology Institute (Ukraine)	Overview of modern robotic complexes in the agricultural industry	Vladyslav Shtym	Tetiana Makrukha	145,00	17,45	162,45	III
	Mykolayiv National Agrarian University (Ukraine)		Anastasia Teleshchak	Antonina Galeeva				III
35	National University of Life and Environmental Science of Ukraine (Ukraine)	Increasing the technological reliability and precision of seed sowing with a pneumatic mechanical sowing device equipped with a backcup dispenser	Vladyslav Sosnov	Oleksandr Bannyi	144,00	16,90	160,90	III
			Yevhen Onufran	Olena Yoldych				III
36	Admiral Makarov National University of Shipbuilding (Ukraine)	Increasing the operational properties of agricultural machinery	Anna Galai	Oleg Savenkov	139,00	21,25	160,25	III
	Mykolayiv National Agrarian University (Ukraine)		Yevgeny Bykov	Ihor Sydoryka				III
37	Central Ukrainian National Technical University (Ukraine)	Justification of the parameters of the working bodies of bionic- type deep loosening agents	Mykhailo Vasilkovskyi	Serhii Leshchenko	138,00	21,95	159,95	III
			Artem Pereshein					III
38	Polissia National University (Ukraine)	Improving the reliability of tillage machines operational units	Mykola Pylypovych	Kostiantyn Borak	137,00	22,90	159,90	III
				Volodymyr Kulykivskyi				

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39	State Biotechnological University (Ukraine)	Innovative method of research of dynamic parameters of mobile machines	Karina Marchenko Klymenko Mykola	Nikolay Artiomov Ivan Halych	138,00	18,75	156,75	III III
40	Mykolayiv National Agrarian University (Ukraine)	Development of an energy system for agricultural work taking into account the energy characteristics of the traction electric motor	Evgeny Pryadko Volodymyr Mazur	Andriy Stavynskiy Dmytro Koshkin	137,00	17,95	154,95	III III
41	Kharkov National Automobile and Highway University (Ukraine)	Improving the quality of welded joints from aluminum - magnesium alloys when welding in inert gases	Anhelyna Shpenovych Viktoriiia Shpenovych	Valerii Bahrov Diana Hlushkova	139,00	15,90	154,90	III III
42	Kremenchuk Mykhailo Ostrohradskiy National University (Ukraine)	Study of vibrations in the operation of an electric asynchronous machine	Mykola Petrov Serhiy Germanyuk	Oleksii Bialobrzheskyi	137,00	17,47	154,47	III III
43	Volodymyr Dahl East Ukrainian National University (Ukraine)	Analysis of technical equipment for application of mineral fertilizers and grounding of the elements of the feeding transporter of the body machine	Viktor Ishchenko Stanislav Baydachenko	Hryhorii Fesenko Viacheslav Kurlov	131,00	21,95	152,95	III III



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44	Admiral Makarov National University of Shipbuilding (Ukraine)	Research of methods of restoration of crankshafts of agricultural automobile machinery	Maxim Hrynyshen	Andrii Andreev	134,00	17,35	151,35	III
	Mykolayiv National Agrarian University (Ukraine)		Nikita Ibrahimov	Mykyta Khramov				III
45	Odessa State Agrarian University (Ukraine)	Technologies for obtaining biogas and organo-mineral fertilizers using livestock waste	Mykhailo Yurkovsky	Ihor Dudarev	133,00	17,53	150,53	III
			Vitaly Ragnev	Serhiy Uminsky				III
46	National Technical University «Kharkiv Polytechnic Institute» (Ukraine)	Study of technological processes in biogas installations	Maksym Borodai	Mykola Kundenko	131,00	17,70	148,70	III
	Mykolayiv National Agrarian University (Ukraine)		Oleksiy Trofymyshyn	Aleksey Sadovoy				III
47	National University of Civil Defence of Ukraine (Ukraine)	Mathematical methods for measuring the areas of agricultural land polygons	Zareckiy Vladyslav	Otrosh Yurii	130,00	18,15	148,15	III
	Mykolayiv National Agrarian University (Ukraine)		Andriy Lashchenko	Serhiy Bohdanov				III
48	Higher School of Security and Economics (Bulgaria)	Research and development of the technology of restoration with a dimensional composite coating based on chromium in order to increase the durability of hydraulic cylinders.	Iva Bangova	Igor Britchenko	123,00	23,40	146,40	III
	Mykolayiv National Agrarian University (Ukraine)		Mykhailo Bryzgalov	Dmytro Marchenko				III

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49	Higher School of Security and Economics (Bulgaria)  Mykolayiv National Agrarian University (Ukraine)	Determination of the optimal parameters of the geometry of the core electromagnetic system in the power electrical device	Margarita Mollova	Igor Britchenko	126,00	17,00	143,00	III
			Serhii Fuchenko	Larisa Vakhonina				III
50	Lutsk National Technical University (Ukraine)	Development of a tool for granulation of sapropel fertilizers and research of mechanical properties of granules	Bohdan Pastushok	Serhii Khomych	123,00	18,00	141,00	III
			Volodymyr Saneliuk					III
51	Mykolayiv National Agrarian University (Ukraine)	Electronic journal of registration, passing of safety briefings and attendance records of students majoring in agricultural engineering during industrial practice	Mykola Ignatenko	Pavlo Malchenko	122,00	18,20	140,20	III
			Ruslan Dybovskyi	Pavlo Polyansky				III

Chairman of the Jury

Secretary of the Jury

12.06.2024 p.



Oleksii SADOVYI

Pavlo POLYANSKY