

**Results of the II stage of the International Student Professional Creative Competition
“Agricultural Sciences and Food” in the direction of agroengineering**

№	IHE, country	Work title	Authors	Academic advisors	Scores in the 1st round	Scores in the 2nd round	Total points	Diploma, degree
1	2	3	4	5	6	7	8	9
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	21,65	118,40	I
2	O.M. Beketov National University of Urban Economy in Kharkiv, Ukraine Mykolayiv 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	93,0	24,80	117,80	I
3	SHEI Pryazovskyi State Technical University, Ukraine Mykolayiv National Agrarian University, Ukraine	Mobile multifunctional power plant	Maksym Kovalchuk Dmytro Rososhynskyi	Olga Savenko Dmytro Marchenko	89,5	26,15	115,65	I
4	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	25,21	114,71	I

5	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	91,0	20,35	111,35	I
6	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	89,0	21,84	110,84	I
7	Mykolayiv National Agrarian University, Ukraine	Justification of technological process parameters and device for seed separation	Maksym Havryliuk Dmytro Mehes	Pavlo Polyansky Serhii Stepanov	88,0	22,79	110,79	I
8	Dnipro State Technical University, Ukraine	Solar tracker electric drive	Victoria Logvinova Yury Zhidko	Yuriy Shramko	88,5	21,89	110,39	I
9	Admiral Makarov National University of Shipbuilding, Ukraine	Improving the physical and mechanical properties of plasma coatings	Anna Kondratieva	Anton Karpechenko Oleh Savenkov	84,75	25,10	109,85	I
10	ISMA University of Applied Sciences, Latvia Mykolayiv National Agrarian University, Ukraine	Wastewater treatment with an electrocoagulation plant for agroindustry complex	Dionisii Bielientsov Volodymyr Mazur	Elena Chaiko Andriy Rudenko	87,0	22,37	109,37	II
11	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	90,0	19,10	109,10	II

12	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	85,0	23,35	108,35	II
13	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	87,0	21,20	108,20	II
14	Batumi Navigation Teaching University, Georgia Mykolayiv National Agrarian University, Ukraine	Development of an energy-saving technological process of rope growing	Enrike Intskirveli Denis Golub	Badri Gechbaia Vasyl Hruban	86,5	21,10	107,60	II
15	Gdansk Medical University, Poland National University of Life and Environmental Science of Ukraine, Ukraine	Squeezing alfalfa, Medicago sativa juice for pharmacological purposes through wet fractionation	Svitlana Sahatovych Vladyslav Sosnov	Malhozhata Hrambetska Valentyna Melnyk	85,5	21,95	107,45	II
16	Mykolayiv 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	25,50	107,00	II

17	Kremenchuk flight college of Kharkiv National University of Internal Affairs, Ukraine	Intelligent navigation system for UAVs	Illia Kiselov	Yurii Shmelov	86,0	19,60	105,60	II
18	Mykolayiv 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	81,0	24,60	105,60	II
19	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	21,68	105,18	II
20	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 Michal Szewezyk	Olena Nalobina Jacek Cymerman	80,0	24,40	104,40	II

21	Admiral Makarov National University of Shipbuilding, Ukraine	Increasing the efficiency of gas turbines by applying heat-shielding coatings	Broyak Myhailo	Bobrov Maksym	81,75	22,42	104,17	II
22	Sumy National Agrarian University, Ukraine Mykolayiv National Agrarian University, Ukraine	Study of soil tillage quality indicators after sunflower	Yevhen Redko Andriy Lashchenko	Kyrylo Syrovvtskyi Ihor Sydoryka	83,5	19,55	103,05	II
23	Lviv National University of Nature Management, Ukraine	Modeling of milk transportation processes	Ihor Horodetskyi Mykola Shmorhun	Ruslan Humeniuk Anatoly Tryhuba	81,0	21,75	102,75	II
24	State Biotechnological University, Ukraine	Determination of dynamic and traction-energy indicators of all wheel-drive traction transport machine	Konstantin Kulinich Evgeny Reznychenko	Roman Antoshchenko v Ivan Halych	84,5	17,85	102,35	II
25	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	21,25	101,75	III

26	Batumi Shota Rustaveli State University, Georgia Mykolayiv 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	79,0	22,55	101,55	III
27	Kherson State Maritime Academy, Ukraine Admiral Makarov National University of Shipbuilding, Ukraine	Modeling of the process of singing songs by power terminals	Melnychenko Serhiy Nikolayenko Yevheniy	Harytonov Yurii Voronenko Serhiy	83,0	17,79	100,79	III
28	National Technical University «Kharkiv Polytechnic Institute», Ukraine Mykolayiv National Agrarian University, Ukraine	Development of an adaptive irradiation system for a poultry farm	Valeria Pylyuk Yurii Honcharenko	Olga Iegorova Irina Sukovitsina	75,5	25,20	100,70	III
29	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	17,10	100,60	III
30	National University of Civil Defence of Ukraine, Ukraine Mykolayiv 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	20,95	100,45	III
31	Mykolayiv National Agrarian University, Ukraine	Analysis of parameters and development of a rotary tool for surface tillage	Kristina Tsvetkova Anna Levchenko	Vasyl Hruban	79,5	20,70	100,20	III

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	Ul'bala Murzahmetova	77,5	22,65	100,15	III
	Kharkov National Automobile and Highway University, Ukraine		Elizaveta Orlova	Diana Hlushkova				
33	Kremenchuk Mykhailo Ostrohradskyyi National University, Ukraine	Research of the valve electric motor as part of a highly dynamic electric drive	Ihor Voitenko	Oleksandr Somka	78,0	21,70	99,70	III
			Mykola Petrov	Viktoriiia Nozhenko				
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	22,10	99,60	III
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 Kulykivskyyi	77,5	22,00	99,50	III
36	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	Ilhom Makhmudov	77,5	20,25	97,75	III
			Timofey Makievsky					

37	National Technical University «Kharkiv Polytechnic Institute», Ukraine Mykolayiv National Agrarian University, Ukraine	Study of technological processes of pasteurization of milk	Dmytro Yurchenko Rustam Nor	Mykola Kundenko Oleksii Sadovyi	76,0	20,50	96,50	III
38	National University "Zaporizhzhia Polytechnic", Ukraine Mykolayiv 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	19,85	96,35	III
39	Dmytro Motorny Tavria State Agrotechnological University, Ukraine Mykolayiv National Agrarian University, Ukraine	Computer design of agricultural machinery units in the Power SHAPE CAD system	Maksym Suprun Nikita Osypov	Oleksandr Vershkov Pavlo Polyansky	73,0	22,58	95,58	III
40	Central Ukrainian National Technical University, Ukraine Mykolayiv 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	22,42	94,92	III
41	Vinnytsia National Agrarian University, Ukraine	Development of a wind-driven electricity and water supply plant	Maxim Kucherenko Maxim Franchuk	Lyudmila Shvets	70,5	21,90	92,40	III

42	Vinnitsia 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	70,0	22,25	92,25	III
43	Dmytro Motornyi Tavria State Agrotechnological University, Ukraine	Justification of structural and technological characteristics of means for drip irrigation of vineyards	Dmytro Filenko	Dmytro Zhuravel	71,0	20,70	91,70	III
44	Kremenchug National University named after Mykhailo Ostrogradskyi, 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	21,06	91,56	III
45	Kremenchug National University named after Mykhailo Ostrogradskyi, 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	20,45	88,95	III

46	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	16,65	87,15	III
47	Jiangsu University of Science and Technology, China Mykolayiv 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	64,0	20,55	84,55	III
48	Kremenchuk Mykhailo Ostrohradskyi National University, Ukraine	A life cycle increase of the agricultural machinery by technological means	Anna Demenko Alona Leontovich	Volodymyr Drahobetskyi Ihor Kuziev	61,0	22,21	83,21	III
49	Kherson Educational- Scientific Institute of Admiral Makarov National University of Shipbuilding, Ukraine Mykolayiv 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	62,0	19,05	81,05	III

