

TEACHER'S QUESTIONNAIRE
Department of Energy and electrical engineering

Personal information of the teacher		
	<i>Full Name (by identity card)</i>	<i>Assan Baibolov</i>
	<i>Date of Birth</i>	<i>20.12.1978</i>
	<i>Sex (male / female)</i>	<i>male</i>
	<i>Nationality</i>	<i>Kazakh</i>
	<i>Citizenship</i>	<i>The Republic of Kazakhstan</i>
	<i>Mobile phone, E-mail</i>	<i>+77075705728 a_baibolov@mail.ru</i>
Education		
Higher educational institution		
a) the name	Taraz state university named after M.H. Dulati,	
b) country, city	Kazakhstan, Taraz	
c) year of receipt and termination	1995-2000	
d) the qualification received on the termination of educational institution	mechanical engineer	
a) the name	Kazakh research institute of mechanization and electrification of agriculture	
b) country, city	Kazakhstan, Almaty	
c) year of receipt and termination	2006-2009	
d) the qualification received on the termination of educational institution	Candidate of Technical Sciences specialty 05.20.01 – Technologies and means of agricultural mechanization	
Place of work (today)		
Full name of the organization	Kazakh National Agrarian Research University	
Position held	associate Professor of the Department " Energy and electrical engineering "	
Scientific activity		
The head and/or the executor of research in RK (during the last 3 years)		
Name research	Years of realization	Organization performer
Development of an energy-saving microclimate system to reduce the thermal stress of animals using renewable energy sources in the hot climatic conditions of Kazakhstan	2023-2025	Kazakh National Agrarian Research University
Development of energy-saving heating and ventilation system to create a comfortable microclimate of livestock buildings	2020-2022	Kazakh National Agrarian Research University

Energy and resource saving heat supply system for agriculture based on the integrated use of renewable energy with microprocessor control		2013-2015	KazSRIMEA
Development of an innovative heat pump for a green, low-carbon microprocessor-controlled economy		2015-2017	KazSRIMEA
Scientific and pedagogical activity			
Training of highly qualified personnel			
Degree	Quantity	Year of protection	Code of specialty
doctor of science			
candidate of science			
doctor PhD			
master	6	2016, 2017, 2020	6M0717000 – Heat power engineering
Information on the number of publications for the last 3 years			
Type of publications		Quantity	
Publications in the recommended journals of the MES RK		18	
Publications in rating journals		3	
Teaching aids		2	
Electronic teaching aids			
Monographs			
The main scientific publications (for the last 3 years)			
Name of the publication	Author(s)		Name of the edition, volume, number, page
Changes in atmospheric air temperature in the summer in the southern, south-eastern and western regions of Kazakhstan	Sydykov Sh. K., Baibolov A. E., Tokmoldaev A. B., Alibek N B, Akhmetkanova G		Research, results. - No.3. -2024. - P. 459-470
Reducing the risk of heat stress for livestock development in Kazakhstan	Sydykov Sh., Baibolov A., Alibek N., Tokmoldaev A., Charibayeva S., Akhmetkanova G.		Proceedings XII International scientific congress «Agricultural Machinery». -Volume 1/11. - 2024. –P.31-34. 26-29.06.2024 Varna, Bulgaria.
Map of zoning of the territory of Kazakhstan by the average temperature of the heating period in order to select a heat pump system of heat supply: A case study	Baibolov A., Sydykov Sh. Alibek N. Tokmoldayev A. Turdybek B. Jurado F., Kassym R.		Energy Sources, Part A: Recovery, Utilization and Environmental Effects. Том 44, Выпуск 3, Страницы 7303 – 7315, 2022. Процентиль 83
Energy-saving system for the formation of a normalized microclimate based on the use of a chiller with fan coils integrated with renewable energy sources	Sydykov Sh. K., Baibolov A. E., Tokmoldaev A. B., Alibek N B,		Ed. "Aitumar". -2022 – 76 p.
Creating a normalized microclimate in livestock premises using renewable energy sources	Sydykov Sh. K., Baibolov A. E., Tokmoldaev A. B., Alibek N B.		Research, results. - No.3. -2020. - P. 434-442
Method of utilization of greenhouse gases in animal husbandry	Sydykov Sh. K., Baibolov A. E., Tokmoldaev A. B., Alibek N B.		XI International Scientific and Technical Conference "Energy, Information and Communication Technologies and Higher

		Education" dedicated to the 45th anniversary of the Almaty University of Energy and Communications named after Gumarbek Daukeev. October 16-18, 2020-pp. 435-438
Test results of a multi-zone system for using renewable energy sources	Omar D. R., Omarov R. A. Daskalov P., Baibolov A. Well., Denisova S. T.	Research, results. - No.1. -2019. - P. 256-264
The results of the test of the laboratory setup the micro hydro	Baibolov A.E., Tungatar D.	Proceedings of the XI International scientific and practical conference of young scientists "Sustainable development: regional aspects", Brest state technical University, Brest, April 24-26, 2019-P. 193-197
Results of tests of laboratory installation of microHPP	Espolov T., Sarkynov Y., Baibolov A., Radzevicius A. Tungatar D.	26th NJF Congress: Agriculture for the Next 100 Years 27-29 of June, 2018
Assessment of water and energy resources indicators	Baibolov A.E., Tungatar D.	Bulletin of the Kyrgyz National Agrarian University. K.I. Scriabin ISSN: 1694-6286. -№2 (47). -2018. -C.329-332
Basic laws and characteristics of a multizone renewable energy system	Omar D.R., Omarov R.A., Baibolov A.E., Sultangaziev T.K., Demesova S.T.	Research, results. - No.4. -2018. - P. 161-170
To the substantiation of the technique of the technical and economic assessment of the multizone system for using solar energy.	Omar D.R., Seitkerim A.B., Omarov R.A., Baibolov A.E., Sultangaziev T.K.	Research, results. - No.3. -2018. - P. 213-218
Calculation of heat output of the combined system with a solar collectors and heat pump	Omarov R., Keshuov S., Omar D. Tokmoldayev A. Kunelbayev M.	Journal of Engineering and Applied Sciences. Volume 12, Issue 6, 2017, Pages 1590-1598
Patent / Innovative patent:		
Assigned number	Name	Author / Patent holder
Utility model patent No. 9429. byull. No.31 dated 08/02/2024.	Method of measuring soil temperature	Sydykov Sh. K. Baibolov A.E., Alibek N.B. Tokmoldaev A.B. Charibayeva S., Akhmetkanova G.
Patent of the Republic of Kazakhstan for invention No. 35737. byul. No. 26 dated 07/01/2022.	Method of disposal of organic waste and spent gas-air mixture of livestock premises in the conditions of a farm	Baibolov A.E., Tokmoldaev A.B. Serikov M. Zhaksylyk S.E. Sydykov Sh. K. Alibek N.B.
Utility model patent No. 5617. Bulletin No. 48 of 4.12.2020	Heat supply system for livestock premises	Tokmoldaev AB; Serikov M. S. Sydykov. K. Baibolov A. E.; Alibek N. B.
Utility model patent No. 4185. Bulletin № 29, 19.07.2019	Heat pump with self-cooling compressor	Demesova S. T., Yerzhigitov E. S. Omarov R. A., Baibolov A. E., Omar D. R.
№ 31428. Bulletin. №9, 15.08.2016	Energy-saving livestock farm with the use of round-shaped rooms	Омаров Р.А, Аукен А.; Сагидолдин А.Б.; Омар Д.Р.; Райымбеков А.Е.; Байболов А.Е.

№30004. Bulletin №6 15.06.2015	Heat pump	Omarov R. A.; Baibolov A. E.; Raiymbekov A. E.; Omar D. R.
№28944. Bulletin №9, 15.09.2014	Device for integrated use of renewable energy sources	Omarov R. A.; Baibolov A. E.; Raiymbekov A. E.; Omar D. R.
№23565. Bulletin №12 15.12.2010	Solar energy collector for heating liquids	Omarov R. A.; Sultangaziev T. K.; Baibolov A. E.; Akhmetov T. D.
№21601. БЮЛЛ. №8 от 14.08.209	Solar collector	Baibolov A. E.; Sultangaziev T. K.; Omarov R. A.; Parmanbekov U.
Knowledge of foreign languages		
Language		Level of proficiency (low, average, high)
English		Intermediate