

TEACHER'S QUESTIONNAIRE
Department of «Agricultural machinery and engineering»

Personal information of the teacher		
	Full Name	Zhumagulov B. Zhandos
	Date of Birth	14 June 1979
	Place of birth	Almaty region, Zhambyl district, village of Shien
	Nationality	Kazakh
	Citizenship	The Republic of Kazakhstan
	Mobile phone, E-mail	8-77-88-33-88-77, zhandos.79@mail.ru
Education		
Higher educational institution		
a) the name	Kazakh state agrarian university	
b) country, city	Republic of Kazakhstan, Almaty city, Abay Avenue 8	
c) year of receipt and termination	He entered the KazSAU in 1996 and graduated in 2001	
d) the qualification received on the termination of educational institution	«Mechanical engineer» specialty «440500-Mechanization of agricultural production»	
Academic degree and rank		
Scientific degree	Candidate of technical Sciences	
Dissertation topic	Justification of parameters of the drive of the two-legged cutting device of the header	
Branch of science	Technical science	
Code and name of scientific specialty	05.20.01 – « Technologies and means of mechanization of agriculture»	
Year of protection	2010 y.	
Dissertation language	Kazakh	
Academic title	Associate Professor	
Place of work		
Full name of the organization	Kazakh National Agrarian Research University	
Position held	Associate Professor of the Department «Agricultural machinery and engineering»	
Track record		
Since 2001	Laboratory assistant of the Department «Theoretical and applied mechanics»	
2001-2004	Post-graduate student the Kazakh national agrarian University on specialty «05.20.01-Technology and mechanization of agriculture»	
2003-2006	Assistant of the Department «Theoretical and applied mechanics»	
2006-2009	Senior lecturer of the Department «Machine-Building and repair production»	
2009-2018	Deputy Dean for academic Affairs of the faculty of Engineering	
2018-2019	Head of the Department «Agricultural machinery and technology»	
2019-2022	Associate Professor, Department «Mechanics and Design of Agricultural Machinery»	
2022-2024	Head of the Department «Agricultural Machinery and Mechanical Engineering»	
From October 2024	Associate Professor of the Department « Agricultural machinery and mechanical engineering »	
Educational and methodical works		
Name and output of the work	Kind of work	Joint authors
Calculation of a system of statically defined and unspecified rods.	Methodical instruction	S. Zhunisbekov,

Almaty, publishing house «University of agriculture», 2005.		Sydykbaev G. R.
Plotting of internal force factors during bending. Publishing house «University of agriculture», Almaty 2005.	Methodical instruction	S. Zhunisbekov, T. Inerbaev
Methodical instructions to performance of laboratory works on the discipline of theoretical mechanics. Almaty, publishing house «University of agriculture», 2009.	Methodical instruction	Inkarbekov A. B.
Technical mechanics. Bastau publishing house, Almaty 2010.	Textbook	Inkarbekov A. B., Zhunisbekov S., Kadyrbaev A.
Semester works on theoretical mechanics. Astana. Bastau Publishing House, 2010. – 240 p.	Textbook	Inkarbekov A. B., Karzhaubaev A.S.
Theoretical mechanics. Collection of problems: vol. 1. Statics and kinematics: - Almaty: beginning, 2016. - 288 p.	Textbook	Inkarbekov A. B.
Theoretical mechanics. Collection of problems: vol. 2. Dynamics: - Almaty: beginning, 2016. - 368 p.	Textbook	Inkarbekov A. B.
Guidelines for completing laboratory work on the subject «Engineering Mechanics». NJC «KazNARU». - Almaty: KazNARU, 2025. - 41 p.	Methodical instruction	
Guidelines for completing laboratory work on the subject «Theoretical and Applied Mechanics». NJC «KazNARU». - Almaty: KazNARU, 2025. - 41 p.	Methodical instruction	
Guidelines for completing laboratory work on the subject «Theoretical Mechanics». NJC «KazNARU». - Almaty: KazNARU, 2025. - 48 p.	Methodical instruction	
Guidelines for completing laboratory work on the subject «Strength of Materials». NJC «KazNARU». - Almaty: KazNARU, 2025. - 38 p.	Methodical instruction	
Guidelines for completing laboratory work on the subject «Mechanics». NJC «KazNARU». - Almaty: KazNARU, 2025. - 41 p.	Methodical instruction	

Scientific activity

The head and/or the executor of research in RK

Name research	Years of realization	Organization performer
Development of technology and technical means for the production of «Targeted» feed for highly productive animals	2012 – 2015	«Kazakh national agrarian university», Performer
Development of a grass harvester with a new drive mechanism of a two-legged cutting machine	2015 – 2017	LLP «Kazakh research Institute of mechanization and electrification of agriculture», Performer
IRN BR23992300 «Development and Improvement of Technical Means and Technological Equipment Ensuring the Implementation of Scientifically Based Livestock Production Technologies» Event: «Front-Mounted Grass Harvester for a Class 1.4 Tractor»	2024-2026	Scientific and Production Center for Agroengineering, LLC, Performer

Scientific and pedagogical activity

Degree	Quantity	Year of protection	Specialty cipher
Doctor PhD	1	–	8D08701-Agricultural machinery and technology
Master of science	5	2014, 2015, 2016	7M08701-Agricultural machinery and technology

Information on the number of publications (for the last 5 years)

Type of publications	Quantity
Publications in recommended journals of the Committee for control in the field of education and science of MES RK	15
Publications in rating journals	4
Educational and methodical manuals	11
Electronic teaching aids	–
Monographs	1

Abstracts and presentations at conferences, symposia, workshops (international, national)		19	
The main scientific publications (for the last 5 years)			
Name of the publication		Author(s)	Name of the edition, volume, number, page
Problems and prospects of innovative services in technical service centers		Kurbanaliev B.B., Saparbaev E.T., Cherikbaev R.K.	BULLETIN of Kyzylorda University named after Korkyt Ata. №3 (58) 2021
Analysis of studies of the parameters of the working body of the combined unit for pre-sowing tillage and seed sowing		Karmanov D., Bolat U., Saparbaev E.T.	Annals of forest research. Journal of Forestry and Environmental Sciences. Vol 65, №1 (2022)
A mathematical model for cleaning cows' skin to increase heat exchange during heat stress		Ivanov Yu.G., Ponizovkin D.A., Moshonkin A.M.	Machinery and Technologies of the Agricultural Complex. Agroengineering. No. 6. Vol. 25. 2023
On the issue of the technological scheme of the device for collecting saxaul seeds		Mambetov B.T., Bekbosynov S.B.	Technical support for innovative technologies in agriculture. Collection of scientific articles. Minsk. November 23-24, 2023.
Analysis of mathematical models for monitoring parameters characterizing the state of heat stress in animals on dairy farms		Ivanov Yu.G., Ponizovkin D.A., Moshonkin A.M.	Animal Husbandry Equipment and Technologies. Research Institute of Animal Husbandry. No. 4 (52). 2023
A mathematical model of heat exchange between a cow and the environment during heat stress, taking into account the thermoregulatory function of the animal		Ivanov Yu.G., Volkhonov M.S., Maksimov I.I.	Agrarian Bulletin of the Non-Black Earth Region. Scientific and practical journal of the Kostroma State Agricultural Academy. No. 4 (12). 2023
Technological Properties of Cylinder Liners of Automotive Internal Combustion Engines Restored by Centrifugal Induction Sintering		Ilyamov Kh.M., Sarkynov E.S., Saparbaev E.T.	Scientific Letters of the University of Zilina 2024, 26(4):B260-B269
Justification of the parameters of the liquid injection device into the mixing chamber of the feed mixture preparation unit		Mustafin Zh.Zh., Kaspakov E.Zh., Baimakhanov K.	Scientific and Practical Journal BKTU named after Zhangir Khan. No. 1-3(78) 2024
Research to substantiate the main parameters and operating modes of the solar drying module as part of a greenhouse facility		Kasymbaev B.M., Khazimov K.M., Kalym K.	Scientific journal «Izdenister, natizheler – Research, results». No. 1(105) 2025, - Almaty
Justification of the parameters of the crusher toothed drum		Mustafin Zh.Zh., Zhetpeisov M.T., Sarkynov E.S.	Scientific journal «Izdenister, natizheler – Research, results». No. 1(105) 2025, - Almaty
Justification of the parameters of a roller grain crusher		Mustafin Zh.Zh., Kaspakov E.Zh., Askarov N.K.	BULLETIN of Kyzylorda University named after Korkyt Ata, No. 2 (73) 2025
Heat resistance of wheat seeds treated with low-frequency electromagnetic radiation		Alchimbaeva A.S., Zhetpeisov M.T., Sarkynov E.S.	Scientific journal «Izdenister, natizheler – Research, results». No. 2(106) 2025, - Almaty
Patent / Innovative patent:			
Assigned number	Name	Author / Patent holder	Date of issue and validity period
Innovative patent RK № 23807	The mechanism of the drive of the two-legged cutting machine of the harvesting machine	Zh. Zhumagulov, A. Adilseev, O. Zhortuilov.	15.04.2011, Bulletin No. 4
Advanced training			
Country, city	Name of organization	Thematics	The period of the
Kazakhstan, Almaty	Best Innovation Group Lnc	Mechanics	04.06.2024÷21.06.2024
Kazakhstan, Nur-Sultan	Taraz Regional University named after M.Kh. Dulati Center for Advanced Training and Retraining of Personnel	In the field of IT competence and online training methods in the field of training «Agroengineering»	19.06.2023÷30.06.2023
Kazakhstan, Almaty	Учебный центр QAZ.EDU (triple A Ltd)	Management in Higher Education	09.07.2024÷19.07.2024
Kazakhstan,	Best Innovation Group Lnc	Strength of materials	12.08.2024÷29.08.2024

Almaty			
Kazakhstan, Almaty	N&T Consulting company	Theoretical and applied mechanics	01.10.2024÷18.10.2024
Kazakhstan, Almaty	N&T Consulting company	Theoretical mechanics	22.10.2024÷08.11.2024
Kazakhstan, Almaty	N&T Consulting company	Technical mechanics	18.11.2024÷05.12.2024
Knowledge of foreign languages			
Language		Level of proficiency (low, average, high)	
English		Beginner	
German		With dictionary	