DEPARTMENT "TECHNOLOGY AND STANDARDIZATION"

	Scientific projects in progress 2020-2021						
No	FULL NAME. leader	Topic name	Customer and funding source	contract number , date	The amount of the deal		
1	Omaraliyeva A.	Development of technology for the production of gluten- free flour confectionery products using flour from seeds of leguminous crops grown in Kazakhstan	MES RK	AP095616 22	7 233 263		
2	Tarlykov P.V.	Biomolecular analysis of archaeological remains of sheep from Western Kazakhstan (2020-2021)	MES RK	AP089558 54	5000000		
3	Khastaeva A.Zh.	Development of technology for cereal "milk" drinks enriched with Omega-3 polyunsaturated fatty acids (2021-2023)	Ministry of Agriculture of the Republic of Kazakhstan	No. UTB- 020/23 dated 15.09.2021	22 381250		
4	Tultabayev M.Ch.	Development of modern technologies for the production of dietary supplements, enzymes, starter cultures, starch, oils, etc. in order to ensure the development of the food industry (2021-2023)	Ministry of Agriculture of the Republic of Kazakhstan				

	Participation of teaching staff in scientific projects 2020-2021						
No.	FULL NAME.	Topic name	Project position	FULL NAME.			
p/n	teaching staff			project manager			
1	Botbayeva Zhanar	Development of technology for	VNS	Omaraliyeva			
	Turlybekovna	the production of gluten-free flour		A.M.			
		confectionery products using					
		flour from seeds of leguminous					
		crops grown in Kazakhstan					

2	Safuani J.E.	Scientific and technical program "Development of science- intensive technologies for deep processing of agricultural raw materials in order to expand the range and yield of finished products per unit of raw materials, as well as reduce the share of waste in production" // Research work "Development of modern technologies for the production of dietary supplements, enzymes, starter cultures, starch, oils, etc. in order to ensure the development of the food industry"	STS, Ph.D., Assoc . Professor	Doctor of Technical Sciences, Professor, Corresponding Member NIA RK Tultabaev M.Ch.
3	Bekturganova A.A.	Scientific and technical program "Development of science- intensive technologies for deep processing of agricultural raw materials in order to expand the range and yield of finished products per unit of raw materials, as well as reduce the share of waste in production" // Research work "Development of modern technologies for the production of dietary supplements, enzymes, starter cultures, starch, oils, etc. in order to ensure the development of the food industry"	STS, Ph.D., Assoc . Professor	Doctor of Technical Sciences, Professor, Corresponding Member NIA RK Tultabaev M.Ch.
4	Zhunussova G.S.	Scientific and technical program "Development of science- intensive technologies for deep processing of agricultural raw materials in order to expand the range and yield of finished products per unit of raw materials, as well as reduce the share of waste in production" // Research work "Development of modern technologies for the production of dietary supplements, enzymes, starter cultures, starch, oils, etc. in order to ensure the development of the food industry"	STS, Ph.D., assoc . Professor	Doctor of Technical Sciences, Professor, Corresponding Member NIA RK Tultabaev M.Ch.
5	Bekturganova A.A.	Development of technology for grain "milk" drinks enriched with Omega-3 polyunsaturated fatty acids	STS, Ph.D., assoc . Professor	Khastaeva A.Zh.

6	Omaraliyeva	Development of technology for	STS, Ph.D.,	Khastaeva A.Zh.
	A.M.	grain "milk" drinks enriched with	assoc . Professor	
		Omega-3 polyunsaturated fatty		
		acids		

	Scientific publications in international scientific journals Scopus for 2021						
No	Author (s)	Article title	Publication imprint (journal, year, number, page, ISSN)	Volum e in p.l.	impact factor	Citation Index articles	
1	Khastayeva A. Zh	Influence of the kappa casein genotype on the technological properties of cow milk of Simmental and Alatau breeds	Functional and Integrative Genomics, 2021, 21(2), RR. 231-238, ISSN: 1438-793X		69	Kazakh National Agrarian Universit y 69th percentile — Quartile Q2	
2	Khastayeva A. Zh	Qualitative indicators of milk of Simmental and Holstein cows in different seasons of lactation	VeterinaryWorld , 2021, 14(4). RR. 956-963 , ISSN: 0972-8988	0.5	79	Kazakh National Agrarian Universit y 79th percentile Quartile Q1	
3	Khastayeva A.Zh Karimov N. Bekturganova A.A., Omaraliyeva A.M., Shegenov ST	Influence of the kappa-casein genotype on the biological value of milk from Holstein, Alatau, and blackand-white cows	VeterinaryWorld, 2021, 14(5): 956- 963.	0.5 In the press	79		
4	Zholdybayeva E., Kozhahmetova S., Tarlykov P.	Analysis of Bacteroides fragilis Clinical Strains Isolated in Kazakhstan	Microbiology Resource Announcements 2021 Vol.10, No. 5 P.e01311- 01320.	0.1	CiteSco re Percenti le in Scopus - 29th Q4	RSE National Center for Biotechno logy, Nur- Sultan, Kazakhst an	

	Kozhakhmetova S., Zholdybayeva E., Tarlykov P., Atavliyeva S., Syzdykov T., Daniyarov A., Mukhtarova K., Ramankulov Y.	Determinants of resistance in Bacteroides fragilis strain BFR_KZ01 isolated from a patient with peritonitis in Kazakhstan			Percenti le - 55th Q2	RSE National Center for Biotechno logy, Nur- Sultan, Kazakhst an
6	Omaraliyeva A.M. Botbayeva Zh.T., Agedilova M.T., Abilova M.B. Zhanaidarova A.	Determining the optimal parameters of ultra- high-frequency treatment of chickpeas for the production of gluten-free flour	Eastern-European Journal of Enterprise Technologies Vol. 5 no. 11 (113) (2021) 51-60 p,	0.6	The percenti le of the journal in the Scopus databas e is 54.	Nur- Sultan, Kazakhst an
7	Aknur Muldasheva, Gulmira Zhakupova, Dulat Ibrayev, Omaraliyeva A. and Zhuldyz Satayeva	Comparative Characteristics of the Amino Acids Composition of Sheep Milk from Breeds of Northern Kazakhstan	Current Research in Nutrition and Food Science Volume 9 Number 3	0.4	Percenti le - 35th	Nur- Sultan, Kazakhst an
8	Tultabayeva M.Ch., Zhunussova G.S., Safuani J.E., Dodoyev K.A., Azimov Z.N.	Comparative analysis of physical and chemical characteristics of safflower seed varieties growing in different climatic conditions	ISSN 2308-4804. science and world. 2021. No. 12 (100). Vol. II, r . 43-45	0.17	0.325	
9	Tultabayeva T.Ch., Zhumanova U.T., Tultabayev M.Ch., Safuani J.E.	Physical and chemical indicators of honey in the East Kazakhstan region	ISSN 2308-4804. science and world. 2021. No. 12 (100). Vol. II, r . 46-49	0.23	0.325	
10	F.Dikhanbayeva, E.Zhaxybayeva, Zh. Dimitrov, M. Baiysbayeva, G. Yessirkep, N. Bansal	Studying the effect of the developed technology on the chemical composition of yogurt made from camel milk	Eastern-European Journal of Enterprise Technologies ISSN 1729-3774, pp. 36- 48. Vol. 3 no. 11 (111) (2021):		By DB Scopus - percenti le 52.	

Publications in scientific publications of the Republic of Kazakhstan, recommended Committee for Control in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan

	T	Science of the Repu		1	
No	Full name of the teacher	Name Articles	Output (name of journal, number, year, ISBN page)	Volume , p.l.	impact factor accordi ng to (NC NTI),
1	Khastayeva A.Zh.	Composition and physical and chemical properties of milk of Holstein and Alatau cows	News of science of Kazakhstan. No. 1 (148). 2021, pp.156-164	0.56	
2	Kurmangaliyeva D.B. Bekturganova A.A. Omaraliyeva A.M. Yussupova G.T. Shadyarova Zh.K.	Development of technology for dry fermented milk product	Bulletin of Science of the Kazakh Agrotechnical University named after S.Seifullin No. 2 (109) 2021	0.35	
3	Khastayeva A.Zh., Omaraliyeva A.M., Bekturganova A.A.	Rationale for the choice of raw materials for the production of vegetable milk	Bulletin of the Almaty Technological University No. 4 (134) 2021. 53-58 p.	0.37	
4	Omaraliyeva A.M., Botbayeva Zh.T., Agedilova M.T., Abilova M.B Zhanaidarova A.	The effect of microwave processing of legumes on the properties of glutenfree flour	Bulletin of L.N. Gumilyov. Series Biological Sciences №4(137)2021. 75-83s.	0.37	
5	Yesirkep G.E.	Characterization of the texture profile of curd mass from camel milk for gerodietics	Vestnik ATU, No. 4 (2021) 2021.C.5-9 https://doi.org/10.48184/23 04-568X-2021-4-5-9	0.4	
6	Zhunussova G.S.	Comparative analysis of the amino acid composition of camel milk	Mechanics and Technologies. T araz, No. 1 (67) January-March 2020 P. 104-111	0.44	
7	Zhunussova G.S.	Use of vegetable oils in the production of cottage cheese	Mechanics and Technologies . Taraz , No. 2 (72), 2021. P. 61-68	0.4	
8	Zhunussova G.S.	Research of innovative technology of whole milk substitute based on secondary raw milk	Bulletin of the Tajik Technological University No. 3 (46) 2021 C.37-44 (RSCI)	0.5	

	Scientific publications of teaching staff in the Bulletin of KazUTB						
No	Full name of the teacher	Name articles	Number, year	Volume , p.l.	Full name of the co-author (s)		
1	Bekturganova A.A.	Justification of the expediency of using oatmeal and buckwheat flour in the production of fermented milk products	Bulletin of KazUTB, Nur -Sultan, KazUTB . No. 1 (2021) Page _ 7-22	1.1	Omaraliyeva A.M., Khastaeva A.Zh., A.K. Dyusembayev		
2	Yesirkep G.E	Development of technology for bakery products based on composite products	Bulletin of KazUTB, Nur -Sultan, KazUTB No. 1 (2021) P.32-37	0.4	S.Zh Umyanova , L.Zh. _ Bairon		
3	Dzhandarbekova D.	Research of a new type of national dietary flour product baursak	Bulletin of KazUTB, Nur -Sultan, KazUTB No. 1 (2021) P.32-37		A.Yu. Beisenbaev , Z.A. Beisenbaeva , A.M. Rakhimzhanova		
Tota	13						

	Foreign scientific publications (far and near abroad)						
No	Full name of	Name	Output	Volume,	Full name of the co-		
	the teacher	articles	(name of journal,	p.l.	author (s)		
			number, year, ISBN				
			page)				
1	Khastayeva	Qualitative	III International	0.44	Bekturganova A.A.,		
	A.Zh.	composition of	scientific and practical		Ostrovsky A.S.		
		milk of cows of	conference: "Issues of				
		the Alatau breed	the development of				
		and its	modern science and				
		variability	technology."				
		during the year	Melbourne: ICNR				
			Scientific View, 2021,				
			pp.57-63				
2	Khastayeva	Analysis of	Modern problems of	0.31	Bekturganova A.A.,		
	A.Zh.	grain production	science and education:		Omaraliyeva A.M.		
		in the Republic	collection of articles of		Asylkhan A.		
		of Kazakhstan	the II International				
		for 2016-2020	scientific-practical				
			conference Penza:				
			ICNS "Science and				
			Education" 2021				
			from 43-47.				
3	Yesirkep G	Research of	Dulletin of the Teille	0.5	Dikhanbaeva F.T.,		
		innovative	Bulletin of the Tajik		Kekibaeva A.K.,		
		technology of	Technological		Zhaksybaeva E.Zh.,		

	whole milk	University	Smailova Zh.Zh., .,
	substitute based	No. 3 (46) 2021 C.37-	Zhunussova G.S.,
	on secondary	44 (RSCI)	Zievudinov S.Z.
	raw milk		

	Scientific publica	tions in collections c	onferences held in th for 2021	e Republic o	f Kazakhstan
No	Full name of the teacher	Name articles	Collection imprint (number, year,	Volume, p.l.	Full name of the co-author (s)
1	Omaraliyeva A	Development of technology for the production of low-lactose fermented milk product with probiotic properties	ISBN page) International scientific and theoretical conference "Seifullinskie readings - 17: "Modern agricultural science: digital transformation", dedicated to the 30th anniversary of the independence of the Republic of Kazakhstan, 2021, 1 volume 2 part, pp. 131-132 ISBN: 978-601-	0.18	Baikenov A.M.
2	Mamirova N.A.	The effect of phytohormones on the growth and accumulation of dry mass of wheat	257-217-9 Collection of materials International scientific and practical conference "Integration of science, education and Production of the industrial state» 202 1 pp _ 20-22.		Khasenova B.B., Akzholtaeva Sh.N.
3	Bekturganova A.A.	The use of nanotechnology in the food industry	Collection of materials of the International scientific-practical conference. "Innovations and problems of development of modern science".		Aldabergenova M.A. , Kenetaeva N.O.,

		<u></u>		
			- Nur -Sultan:	
			Master By	
			ZhShS, 2021	
			210 b. pp.8-9	
4	Khastayeva	Prospects for the	Materials of the	Bekturganova
	A.Zh.	use of cereals for	international	A.A.,
		the production of	scientific and	Omaralieva
		vegetable milk in	practical	A.M.
		the Republic of	Conference	
		Kazakhstan	"Innovative	
			development of	
			food,	
			Light industry	
			and hospitality	
			industry»	
			Dedicated to the	
			30th anniversary	
			of independence.	
			Republic of	
			Kazakhstan	
			October 21-22,	
			2021. 28-30 s.	
5	Omaraliyeva	Peas for the	Materials of the	Botbaeva Zh.T.,
	A.M.,	production of	international	Abilova M.B.,
		gluten-free	scientific and	Zhanaidarova
		confectionery	practical	A.E.
		Study of the	Conference	
		selection variety	"Innovative	
		"Miras 07"	development of	
			food,	
			Light industry	
			and hospitality	
			industry»	
			Dedicated to the	
			30th anniversary	
			of independence.	
			Republic of	
			Kazakhstan	
			October 21-22,	
			2021. 30-32 s.	
6	Botbayeva	Efficiency of use of	Collection of	A.M.
	Zh.T.	secondary raw	materials	Omaralieva,
		materials of grain	International	M. Abilova
		crops in food	Scientific and	
		production	Practical	
			Conference "	
			Innovative	
			Development of	
			Food, Light	
			Industry and	
			Hospitality	
			Industry "	

	C	ctober 21-22,	
	20	2 1 page 20-22	

		ations in scientific confe			1
No	Full name of the teacher	Name report	Collection imprint (number, year, ISBN page)	Country, city organization, event name	Volume , p.l.
1	Dyusembaev A.K., Bekturganov a A.A., Khastayeva A.Zh.	The relevance of the production of combined products for functional nutrition	2021, pp.66-67. ISBN 978-5- 6045535-9-6	Moscow XXXIV international scientific and practical conference: "Research and publishing center "Actuality. RF"	
2	Bekturganov a A.A. Dyusembaev A.K. Tuyakova A.R.	Analysis of the technological process of production of adding fillers to the fermented milk protein base	p . 75-77 Elibrary . en https :// elibrary . en / item . asp ? id =44639716	L International Scientific and Practical Conference. World science: problems and innovations. January 30, 2021 _ Cipher MK -1003 _ Penza	
3	Tuyakova A.R., Amanzholov S.A., Bekturganov a A.A.	Prospects for the production of dry dairy products based on camel milk received by different methods drying	2021p.53-56. 0.25 RSCI https://cyberleni nka.ru/article/n/ perspektivy- proizvodstva- suhih- molochnyh- produktov-na- osnove- verblyuzhiego- moloka- poluchennyh- raznymi- metodami- sushki https://na- konferencii.ru/c onference/iii- mezhdunarodnaj a-nauchno- prakticheskaja- konferencija- voprosy- razvitija- sovremennoj- nauki-i-tehniki	Questions development contemporary science and technology: collection articles III of the International scientific and practical conferences . – Melbourne Australia, ICNR " Scientific look." - link to RISC.	

4	Khastayeva A.Zh. Bekturganov a A.A. Ostrovsky A.S.	Qualitative composition of milk of cows of the Alatau breed and its variability during the year	- 2021p.57-63 RSCI https://xn e1aajagscdbhlf4 c6a.xn p1ai/events/v- mezhdunarodna ya-nauchno- prakticheskaya- konferentsiya- voprosy- razvitiya- sovremennoj- nauki-i-tehniki/	ISSUES OF DEVELOPMENT OF MODERN SCIENCE AND TECHNOLOGY: collection of articles of the III International Scientific and Practical Conference. – Melbourne Australia, International Center for Research and Development "Scientific View".	
5	Bekturganova A.A. Zavgorodnyaya M.V. Popova V.S. Malik D.B.	Prospects for the development of technology of broths with prebiotics from bone and meat and bone raw materials	, 2021 Penza . Code K-280. Elibrary . ru p.21-23 https://elibrary.ru/item.asp?id=4 4684704	VII International Research Competition. Digest of articles. Competition of the best student works.	
6	Khastayeva A.Zh., Malik D.B., Yelemessova M.B.	Influence of the season of the year on the fatty acid composition of cow 's milk Simmental breed	C88. April 26, 2021 p. 13-21, ISBN 978-5- 00174-212-8	Russian Federation, Petrozavodsk , ICNP "New Science", STUDENT- RESEARCH 2021. Collection of articles of the International Research Competition	0.56

P	Participation of teaching staff (directly) with reports in scientific conferences, symposiums, seminars, etc. abroad for 2021				
No	No Full name of the teacher Roman Collection imprint Country, city organization, event Volume, p.l.				
1	Omaraliyeva A.M.	Functional foods as a guarantee of the health of the nation	ISBN page)	name Republic of Uzbekistan, Tashkent, Tashkent University of Chemical Technology	0.3

No	The authors)	Name of copyright certificates	Registered title number
1	Muslimov N. Zh., Omaraliyeva A.M. Sultanova M.Zh. Kizatova M. E. Abdrakhmanov Kh. A. Borovsky A. Yu. Ospanov A. A.	Method for obtaining micronized composite flour from leguminous crops	Patent for invention No. 34879 02/12/2021
2	Omaraliyeva A.M., Abilova M.B., Botbayeva Zh.T., Baishugulova Sh.K.	Method for preparing a dietary custard semi-finished product	Utility model patent No. 5031. 2021
3	Zhunussova G.S.	Method for producing fermented milk drinks using lactulose	Application No. 202 2 dated 10 . 0 2.202 2 . utility model patent

Intr	Introduction of scientific research into the educational process (attach a copy of the act)				
No	FULL NAME. the	The name of the result	Organization	Implementation	
	authors)			act	
	Omaraliyeva A.M.,	Implementation act	JSC KazUTB _	Act of	
	Botbayeva Zh.T.	materials of research		implementation	
		work AR09561622 on		dated 13.09.2021	
		the topic			
		"Development of			
		technology for the			
		production of gluten-			
		free flour confectionery			
1		products using flour			
		from seeds of			
		leguminous crops			
		grown in Kazakhstan"			
		in the educational			
		process of the			
		department			
		"Technology and			
		standardization"			
	Omaraliyeva A.M.	The act of production	Kun-bel LLP	Implementation	
2	Botbayeva Zh.T.	tests of the method for		act	
	M. Abilova ,	preparing gluten-free			
	A. Zhanaydarova	muffins			
	Omaraliyeva A.M.	The act of production	Kun-bel LLP	Implementation	
	Botbayeva Zh.T.	testing of the method		act	
3	M. Abilova,	for preparing gluten-			
	A. Zhanaydarova	free custard semi -			
		finished product			
	Omaraliyeva A.M.	The act of	Kun-bel LLP	Implementation	
4	Botbayeva Zh.T.	implementing the		act	
	M. Abilova ,	developed technology			

	A. Zhanaydarova	for the production of		
		gluten-free flour		
		confectionery products		
	Omaraliyeva A.M.	ACT of pilot-industrial	LLP PO ECOS	ODA act
	Botbayeva Zh.T.	approbation of the		
5	M. Abilova,	developed technology		
3	A. Zhanaidarova	for the production of		
		gluten-free flour		
		confectionery		

	Implementation of scientific research into production					
No	FULL NAME. the	The name of the result	Organization	Implementation		
	authors)			act		
1	Omaraliyeva A.M.,	ACT	LLP "PO" Ekos "	Implementation		
	Botbayeva Zh.T.	pilot testing of the		act		
		developed technology				
		for the production of				
		gluten-free flour				
		confectionery products				
2	Omaraliyeva A.M.,	ACT	SPK " Kunbel "	Implementation		
	Botbayeva Zh.T.	pilot testing of the		act		
		developed technology				
		for the production of				
		gluten-free flour				
		confectionery products				

	Organization and holding of scientific events for 2021				
No	event title	Timing	Members	Registration of the	
				result (protocol,	
				collection)	
1	Round table on the topic "Innovative	December 3,	Teaching staff,	Protocol	
	technologies for healthy food	2021	students of the		
	products"		department		
			"TiS"		

	Advanced training of teaching staff				
No	account degree, position	Name	Period		
1	Bekturganova Almira Anuarbekovna	Innovative approaches in technology and food safety KINEU . Interstate technical committee for standardization MTK-534 "OBSPPS". Kostanay city 72 hours	January 11-22, 2021		
2	Bekturganova Almira Anuarbekovna	Current state and new technologies of public catering products Nur-Sultan	16-28.08.2021		

			T
		Scientific and methodological center "ZIAT"	
		72 hours	
		A course on training experts in	August September 2021
	Bekturganova	evaluating textbooks and educational	
3	Almira	and methodological complexes.	
	Anuarbekovna	Nur-Sultan, A STANAKITAP . 72	
		hours	
	Omaraliyeva	Ensuring quality and safety in the	from August 16 to
	Aigul	production and sale of food products	August 30, 2021
4	Makhmudovna	- Scientific and Methodological	71ugust 30, 2021
'	Withingtovila	Center " ZIAT ", Nur -Sultan 72	
		hours	
	Safuani Zhanar	Trends and prospects for the	22.11 – 03.12.2021
5	Yessenkulkyzy	development of oilseeds processing	22.11 03.12.2021
	1 0550many2j	Technology, organization and design	02-14.08.2021
		of food production enterprises	02 11.00.2021
	Safuani Zhanar	Nur -Sultan	
6	Esenkulkyzy	Scientific and methodological center	
	Liseinkuik y Ly	"ZIAT"	
		72 hours	
	Umyanova S.Zh.	Innovative technologies in the food	August 16-30, 2021
		industry and food security.	110800010 00, 2021
7		Scientific and Methodological	
		Center " Ziat ", Nur -Sultan 72 hours	
	Byron L.J.	Current state and prospects for the	1 August 6 to August
		development of microbiology and	28, 2021
_		biotechnology,	,
8		Nur - Sultan, Scientific and	
		methodological center " ZIAT "	
		advanced training 72 hours	
		Qualimetric quality assessment,	02-14.08.2021
		standardization and conformity	- 1
	Zhunussova	assessment of food products	
9	Gulzat	Nur -Sultan	
-	Skendirovna	Scientific and methodological center	
		"ZIAT"	
		72 hours	
		Qualimetric quality assessment,	02-14.08.2021
		standardization and conformity	
		assessment of food products	
10	Isa Perneculus	Nur -Sultan	
		Scientific and methodological center	
		"ZIAT"	
		72 hours	
	Delegar de de 1	The theory of mechanisms and the	19-30.07.2021
11	Dzhandarbekova	development of modern machine	
	Dekhkankul	parts. Strength of materials	
	•	· - -	•

		Nur -Sultan	
		Scientific and methodological center	
		"ZIAT"	
		72 hours	
		Theoretical foundations of	02-14.08.2021
	37 11	commodity science of food products	
10	Yesirkep	Nur -Sultan	
12	Gulmira	Scientific and methodological center	
	Esirkepkyzy	"ZIAT"	
		72 hours	
	Agedilova	Patenting and science: from theory to	18-30.07.2021
	Mereke	practice	
13	Tuyakovna	Nur -Sultan	
13		Scientific and methodological center	
		"ZIAT"	
		72 hours	
	Agedilova	International standard and quality	05-17.07.2021
	Mereke	management system.	
14	Tuyakovna	Nur -Sultan	
		Scientific and methodological center	
		"ZIAT"	
		72 hours	02 14 00 2021
		General and molecular genetics of	02-14.09.2021
	Botbayeva	biotechnological productions Nur -Sultan	
15	Zhanar		
	Turlybekovna	Scientific and methodological center "ZIAT"	
		72 hours	
	Botbayeva	Modern standards of sanitation and	02-14.08.2021
	Zhanar	food hygiene	02 1110012021
1.5	Turlybekovna	Nur -Sultan	
16		Scientific and methodological center	
		"ZIAT"	
		72 hours	
	Botbayeva	Physical methods of processing	16-28.08.2021
	Zhanar	bakery and confectionery products	
17	Turlybekovna	Nur -Sultan	
17		Scientific and methodological center	
		"ZIAT"	
		72 hours	
		Materials Science and Technology of	16-30.08.2021
	Karmanova	Structural Materials	
18	Gulbanu	Nur -Sultan	
	Kabdykalykovna	Scientific and methodological center	
		"ZIAT"	
	A valo a1-1	72 hours	00 14 00 2021
10	Aubakirova	Technical regulation, control and	02-14.08.2021
19	Alfiya	evaluation of food products quality	
	Kabylovna		

		Nur -Sultan	
		Scientific and methodological center "ZIAT"	
		72 hours	
		Examination and control on the	02-14.08.2021
		safety of products of food and	02-14,00,2021
	Mukanova	processing industries	
20	Kuralai	Nur -Sultan	
20	Aitzhanovna	Scientific and methodological center	
	7 Memano vila	"ZIAT"	
		72 hours	
	Akzholtayeva	Standardization, certification,	05-17.07.2021
	Shynar	metrology and accreditation of food	
	Nurshabekovna	production	
21		Nur -Sultan	
		Scientific and methodological center	
		"ZIAT"	
		72 hours	
	Akzholtayeva	Food safety system	02-14.08.2021
	Shynar	Nur -Sultan	
22	Nurshabekovna	Scientific and methodological center	
		"ZIAT"	
		72 hours	
	Akzholtayeva	Food safety system management	16-28.08.2021
	Shynar	Nur -Sultan	
23	Nurshabekovna	Scientific and methodological center	
		"ZIAT"	
	01.1.1	72 hours	00.14.00.0001
	Olzhabayev	Standardization and certification	02-14.08.2021
	Shyngys	Fundamentals of product and document	
2.4	Kenzhetaiuly	identification	
24		Nur -Sultan	
		Scientific and methodological center	
		"ZIAT" 72 hours	
	Olzhahavav	Materials Science. Strength of	02-14.09.2021
	Olzhabayev Shyngys	materials.	04-14.07.4041
	Kenzhetaiuly	Nur -Sultan	
25	Renzinctatury	Scientific and methodological center	
		"ZIAT"	
		72 hours	
	Kulakhmedova	Innovative techniques and	August 02-14, 2021
	B.D.	technologies in the food industry	
26		Scientific and methodological center	
		" ZIAT " C-02711	
		Nur-Sultan 72 hours	
Total:		26	
	·		

	MONOGRAPHS, TEXTBOOKS, TEACHING AIDS						
No	FULL NAME of the authors	Title where published	The year of publishing, number of p.l.	The presence of the signature stamp of the Ministry of Education and Science of the Republic of Kazakhstan			
1	Kurmanbayev A.A., Zhunussova G.S., Mamirova N.A.	Short course of lectures "Ecological biotechnology" textbook. Publishing house Techno Erudite, Almaty . 224str	in print p.l.14	-			
2	Yesirkep G. Dikhanbayeva F. Bekturganova A.	Workshop on general technology of food products 160 p.	In the press p.l.10				
3	Omaraliyeva A.M.	Physical methods of food processing. Printing " Z - PRINT " Nur- Sultan	2021, 12.5 p.l	-			
4	Byron L.J.	Textbook on the subject "Fundamentals of Genetic Engineering" Nur-Sultan 2021-2022 academic year (in the process of development)					
5	Umyanova S.Zh.	Basics of processing of raw materials and food products (textbook on practical work) Nur-Sultan 2021-2022 academic year (in the process of development)					
6	Orazkhanova M.A.	Equipment for the production of confectionery and automation of current lines. Textbook - Nur-Sultan 2021-2022 academic year (in the process of development)					
7	Rakhimzhanova A.M.	Sausage production design: Textbook Nur-Sultan 2021-2022 academic year (in the process of development)					

	Scientifi	STUDENT R&D for 2021 c publications students in scienti	fic magazines	
No.	Full name of the student (course, group)	Theme of the project, supervisor	Name of scientific event, date and place of holding	Diploma, certificate, diploma (with indication of prize place and nomination)
1	Malik Diaz, 3rd	Influence of the season of the	"Student-	Diploma of

	year student, BT-	year on the fatty acid	researcher 2021",	the 1st
	182	composition of the milk of	04/26/2021, RF	degree
		Simmental cows, Dr. Phd		
		Khastaeva A.Zh.		
2	YelemesovaMadina	Influence of the season of the	"Student-	Diploma of
	, 3rd year student,	year on the fatty acid	researcher 2021",	the 1st
	BT-182	composition of the milk of	04/26/2021, RF	degree
		Simmental cows . doctor phd		
		Khastaeva A.Zh.		

Sc	Scientific publications of students in the collections of the conference held in the Republic of						
			Kazakhstan				
No	Full name of the	Name	Collection imprint	Volume,	FULL NAME.		
	student (course,	articles	(number, year, ISBN	p.l.	scientific		
	group)		page)		leader		
1	Aldabergenova	The use of	Collection of	0.1	Bekturganova A.A.		
	M.A.,	nanotechnolog	materials of the				
	Kenetayeva	y in the food	International				
	N.O., 4th year	industry	scientific-practical				
	student,		conference.				
			"Innovations and				
			problems of				
			development of				
			modern science"				
			Nur -Sultan: Master				
			By ZhShS, 2021				
			210 b. pp.8-9				
2	Askarova	Technology of	Collection of	3	Esirkep G.E.		
	Nuraim, 4	making high-	materials of the				
	course	value bakery	International				
		products from	scientific-practical				
		secondary	conference.				
		dairy and	"Innovations and				
		vegetable raw	problems of				
		materials	development of				
			modern science"				
			Nur -Sultan: Master				
			By ZhShS, No. 1,				
			2021, pp. 6-8				

	Scientific publications of students in conference proceedings held abroad						
No	Full name of the	Name	Collection imprint	Volume,	FULL NAME.		
	student (course,	articles	(number, year, ISBN	p.l.	scientific		
	group)		page)		leader		
1	Ostrovsky A.S.,	Qualitative	III International	0.44 RSCI	Khastayeva A.Zh.		
	3rd year student,	composition of	scientific and practical		Bekturganova A.A.		
	BT-182	milk of cows	conference: "Issues of				
		of the Alatau	the development of				
		breed and its	modern science and				

		variability during the year	technology." Melbourne: ICNR Scientific View, 2021, pp.57-63		
2	Zavgorodnyaya M.V. Popova V.S. Malik D.B.	Prospects for the development of technology of broths with prebiotics from bone and meat and bone raw materials	VII International Research Competition. Digest of articles. Competition of the best student works. February 5, 2021 Penza. Cipher K -280. Elibrary.ru p.21-23	0.2	Bekturganova A.A.

Pa	rticipation of students in	n scientific competitions	s, exhibitions in the Republic of K	azakhstan
No. p/n	FULL NAME, course, group	Name of the scientific competition, date and	Title of the submitted work	Result
1	Shaimergenova D.S.	Venue KazUTB . Intrauniversity stage of NIRS	Technology of making yogurt at home	
2	Aukenov E.A. 3 course, BT-181.	KazUTB . Intrauniversity stage of NIRS	Diseases of potatoes caused by microorganisms and their prevention	1 place
3	Meirambekov G. M. 3 course, BT-181.	KazUTB . Intrauniversity stage of NIRS	Growing warm date palms at home	2nd place
4	Askarova Nuraiym Askarkyzy. 4 course, TPProiz-171.	KazUTB . Intrauniversity stage of NIRS	Technology of making high- value bakery products from secondary dairy and vegetable raw materials	1 place
5	Ayathan Fatima, Serikova Zhaina TPProd-191, 2 course	KazUTB . Intrauniversity stage of NIRS	Development of technology for new bakery products	2nd place
6	Daurenbekova A.E., TPProd-181, 3rd year student.	KazUTB . Intrauniversity stage of NIRS	The current state and prospects for the production of koumiss	3rd place
7	Zharlgasynova A.A. TPProd-191, 2nd course.	KazUTB . Intrauniversity stage of NIRS	Canned meat products. Preparation of canned beef (stew) at home	2nd place
8	Ardakh Asemgul	KazUTB . Intrauniversity stage of NIRS	Comparative characteristics of wheat and rye flour	3rd place
9	Shayakhmetova A.Zh. TPProd-191, 2nd course.	KazUTB . Intrauniversity stage of NIRS	Laws of proper nutrition of students	2nd place
10	Sabyr A.E. TPProd-181, 3 course.	KazUTB . Intrauniversity stage of NIRS	Technology for the development of a new fermented milk product	3rd place

	Participation of students in scientific competitions and exhibitions abroad					
No	FULL NAME,	Name of the scientific competition, date and venue	Title of the submitted work	Result		
1	3rd year OP students Zavgorodnyaya M.V. Popova V.S. Malik D.B. Scientific supervisor: Ph.D., Ass.Professor Bekturganova A.A.	VII International Research Competition. Digest of articles. Competition of the best student works. February 5, 2021 Penza. Cipher K -280. Elibrary.ru p.21- 23_	Prospects for the development of technology of broths with prebiotics from bone and meat and bone raw materials	Diploma 2nd place		
2	3rd year students of the EP "5B072700 - Technology of food products" Daurenbekova Aigerim Erbolovna, Sabyr Aizhan Esetkyzy Scientific supervisor: Ph.D., Ass.Professor Bekturganova A.A.	International competition of professional presentations for students, teachers and professionals on the topic "Education, Pedagogy, Training" Project Interclovers . en http://pro . interclovers . ru / pr / educ . html . Technical science Nizhny Novgorod, 10.02.2021	Improving the technology for complex processing of bone and meat and bone raw materials with prebiotics	Diploma of the 1st degree Competiti on Laureate		
3	3rd year student of the specialty "6B07223 - "Technology of processing industries" Ayathan Fatima Talgatkyzy Scientific supervisor: Ph.D., Ass.Professor Bekturganova A.A.	International scientific competition "Technical creativity" Project Interclovers . en http :// pro . interclovers . ru / pr / educ . html . Technical science Nizhny Novgorod, 02/15/2021	Development of a new technology of a functional product for the correction of children's diets	Diploma 3 degree		

	Students who received medals, diplomas, certificates, awards, etc. in various competitions, exhibitions, conferences					
No	Full name	course,	Name of the event	Time and place	Type of award	
		group				
1	Aldabergenova	4 course	Collection of materials of	Nur -Sultan: Master	Certificate	
	M.A.,		the International scientific-	By ZhShS, 2021		
	Kenetayeva		practical conference.	210 b. pp.8-9		
	N.O.		"Innovations and problems			
	of development of modern					
			science".			

R&D for MASTER STUDENTS in 2021						
FULL NAME undergraduate	Speciality	Topic of dissertation research	super	visor		
Dyusembayev	M07243-	Development of	Candidate	of Sciences,		
ŀ	undergraduate	undergraduate Dyusembayev M07243-	undergraduateresearchDyusembayevM07243-Development of	undergraduateresearchDyusembayevM07243-Development ofCandidate		

		food products	product for school	Associate Professor
		food products	product for school meals with probiotic	Bekturganova A.A.
			properties	Dekturganova A.A.
2	Tuyakova	M07239 -	Development of	Candidate of
2	Aigerim	Technology and	technology for the	Technical Sciences,
	Rakhmetollaevna	food products	production of dried	Associate Professor
	Kakiiiietoiiaeviia	rood products	camel milk with long-	Bekturganova A.A.
			term storage capacity	Dekturganova A.A.
3	Zhanaidarova	M07239 -	Development of	Candidate of
3	Aidana	Technology and	technology for	Technical Sciences,
	Aldana	food products	obtaining maltodextrin	Associate Professor
		rood products	and its use in food	Bekturganova A.A.
			production	Dekturgunova 11.11.
4	Kabdolova	M07243-	Development of	Candidate of
7	Aigerim	Technology and	technology for deli	Technical Sciences,
	Augemin	food products	meat products of	Associate Professor
		rood products	increased biological	Bekturganova A.A.
			value	Dektarganova 71.71.
5	Bashirova Zh.K.	M07239 -	Development of	Doctor of Technical
		Technology and	technology for the	Sciences, Professor
		food products	production of	Tultabaev M.Ch.
		F	fermented milk	
			products using	
			bioadditives.	
6	Satybaldiyeva	M07239 -	Scientific and	Doctor of Technical
	M.T.	Technology and	technological bases	Sciences, Professor
		food products	for the production of	Tultabaev M.Ch.
		•	mass food products	
			using fruit and	
			vegetable raw	
			materials	
7	Asylkhan Aygerim	M07239 - Food	Development of	Khastaeva A.Zh.,
	Asylkhankyzy	safety N/A 1	regulatory documents	PhD, senior lecturer
		course	for the production of	
			vegetable "milk"	
			drinks	
8	Arynov Tamerlan	M07239 - Food	Study of the influence	Khastaeva A.Zh.,
	Muratovich	safety N/A 1	of technological	PhD, senior lecturer
		course	factors on the	
			production of	
			vegetable milk and	
			development of	
			regulatory	
			documentation	
9	Boranbayeva	M07239 - Food	Comprehensive	Omaralieva A.M.
	Zhanbota	safety N/A 1	system for quality	Ph.D.,
	Nurkenovna	course	assurance and safety	Assoc.Professor
			in the development of	
			grain beverage	
			technology	
10	Khasenova	M07239 - Food	Analysis of the	Tultabaev M.Ch.
	Botagoz Bolatkyzy	safety N/A 1	influence of methods	Doctor of Technical

		course	and parameters of cold pressing of safflower seeds on the preservation of quality indicators of all ingredients	Sciences, Professor
11	Balyqbaev Nardias Nurlanbekuly	M07239 - Technology and food products	Development of a technology for the production of fermented milk products using bioadditives of grain crops	Omaralieva A.M. Ph.D., Assoc.Professor
12	Bақуt Nazerke Amangeldiқуzу	M07243- Technology and food products	Development of technology for the production of protein paste with a probiotic factor	Bekturganova A.A. Ph.D., Assoc.Professor

	Scientific internships for undergraduates					
No	FULL NAME.	Speciality	Country, university or	Result		
	undergraduate	research center and place of				
			internship			
1	Dyusembayev	M07243-	Kazakhstan. Nur -Sultan.	Certificate		
	A.K.	Technology and food LLP " KazNIIPP "				
		products	April 12-30, 2021			
2	Tuyakova A.R.	M07243-	Kazakhstan. Nur -Sultan.	Certificate		
		Technology and	LLP " KazNIIPP "			
		food products	April 12-30, 2021			

	Scientific publications of undergraduates in scientific journals,						
	included in the Thomson Reuters and Scopus database						
No	Full name of the	Article title	Publication	imprint	Volume	impact	Full name
	undergraduate		(journal,	year,	in p.l.	factor	scientific
	(course, special)		number, page	, ISSN)			leader
1	Zhanaidarova A.	Determining	Eastern-Eu	ropean	0.6		Bekturganova
		the optimal	Journal of En	nterprise			A.A.
		parameters of	Technologie	s Vol. 5			
		ultra- high-	no. 11 (113)	(2021)			
		frequency	51-60	ρ,			
		treatment of		1			
		chickpeas for					
		the production					
		of gluten-free					
		flour					

So	Scientific publications of undergraduates in scientific journals of the Republic of Kazakhstan,					
	abroad					
N	Full name of the	Name	Log output	Volume, p.l.	FULL NAME.	
о.	undergraduate	articles	(number, year,		scientific	
	(course, special)		ISBN page)		leader	
1	Zhanaydarova A. 2	The effect	Bulletin of L.N.	0.37	Bekturganova A.A.	
	course	of	Gumilyov. Series			
		microwave	Biological			
		processing	Sciences			
		of legumes	№4(137)2021.			
		on the	75-83s.			
		properties				
		of gluten-				
		free flour				

	Scientific publications of undergraduates in the collections of the conference held in the Republic of Kazakhstan					
No	Full name of the undergraduate (course, special)	Name articles	Collection imprint (number, year,	Volume, p.l.	FULL NAME. scientific leader	
1	Kabdolova A.	Development of technology for high-value delicacy meat products	2021 978-601-263-578- 2	0.06	Omaralieva A.M.	
2	Bekturganova A.A.	Development of the main parameters of technological processes in the technology of fermented milk products	International scientific and practical online conference "Modern engineering innovations and technologies", Kokshetau University named after Sh. Ualikhanov, Kokshetau. March 4, 2021. pp. 8-9	0.05	Dyusembaev A.K.	
3	Zhanaidarova A.E.	Research of selection "Miras 07" variety of legumes for the production of gluten-free confectionery	Materials of the international scientific and practical Conference "Innovative development of food, Light industry and hospitality industry» Dedicated to the		Bekturganova A.	

30th anniversary	
of independence.	
Republic of	
Kazakhstan	
October 21-22,	
2021. 30-32 s.	

	Scientific publ	ications of undergra	aduates in conference p	roceedings	held abroad
No	Full name of the undergraduate (course, special)	Name articles	Collection imprint (number, year, ISSN page)	Volume, p.l.	FULL NAME. scientific leader
1	Dyusembayev A.K. Tuyakova A.R.	Analysis of the technological process of production of adding fillers to the fermented milk protein base	L International Scientific and Practical Conference. World science: problems and innovations January 30, 2021 Code MK-1003, Penza p. 75-77 Elibrary en	1.2	Bekturganova A.A.
2	Tuyakova A.R.,	Prospects for the production of dry dairy products based on camel milk obtained by different methods drying	Questions of the development of modern science and technology: a collection of articles of the III International scientific and practical conference. – Melbourne Australia, International Center for Research and Development "Scientific View". – 2021. –p.53-56 RSCI	0.25	Bekturganova A.A.
3	Dyusembayev A.K.	Development of the main parameters of technological processes in the technology of fermented milk products	International scientific and practical online conference "Modern engineering innovations and technologies", Kokshetau University named after Sh. Ualikhanov, Kokshetau. March 4, 2021. pp. 8-9		Bekturganova A.A.
4	Asylkhan A.A.	Analysis of grain production in the Republic of Kazakhstan for 2016-2020	Modern problems of science and education: collection of articles of the II International scientific-practical conference Penza:	0.31	Khastayeva A.Zh.

Ī		ICNS "Science and	
		Education" 2021	
		from 43-47.	

	Participation of undergraduates in the work of scientific projects					
No	Full name, course, specialty, study group, Project position, degree of participation	Project name	Full name, account. degree, title of research project manager			
1	Tuyakova A.R. M07243- Technology and food products	1.BR05236766 "Creation of healthy food products with a functional focus on the basis of agricultural raw materials" PTF MES RK 2018-2020. on the topic: "Development of technology for the production of cereals and flour confectionery mixtures corresponding to products labeled" gluten-free"	Botbayeva Zhanar Turlybekovna, leading researcher of the laboratory "Deep processing of crop products", candidate of biological sciences.			
2	Tuyakova A.R. M07243- Technology and food products	2. BR06249336 Ensuring the technological development of enterprises in the starch - treacle, fat-and-oil, compound feed, sugar industries of the agro-industrial complex based on innovative technologies for the storage and processing of plant-growing raw materials. on the topic: "Development of technology for drying starch syrups"	Project manager: Baikenov Alibek Omirserikuli, head of the laboratory "Deep processing of crop products", master of engineering and technology.			
3	Tuyakova A.R. M07243- Technology and food products	3.AP08052539-OT-20 on the topic: "Improving the technology for separating the pulp of melon fruits for the production of dried fruits and healthy breakfasts "GF MES RK 2020-2022.	Project leader: Kizatova Marzhan Yerzhanovna, head of the laboratory "Primary processing of plant raw materials", PhD .			
4	Zhanaydarova A., 1st year Master's student of Food technology – junior researcher.		Omaraliyeva A.M., Ph.D.			
5	Kabdolova A.M.	Development of technology for grain "milk" drinks enriched with Omega-3 polyunsaturated fatty acids	Khastayeva A.Zh., phd			