### **Doctor students in 2023 admissions**



The topic of the doctoral dissertation

Scientific consultant

Foreign scientific consultant

Rasol Aymolid

Ensuring the quality of milling operations during the application of the ultrasonic-cleaned lubricanting-cooling fluid

Userbayev Muratbek Turarbekovich Candidate of Technical Sciences of S.Seifullin KATIU; Sherov Aibek Karibekovich, Doctor of Philosophy (PhD) of S.Seifullin KATU;

Michal Bembenek, Doctor of Technical Sciences, Professor of the AGH University of Krakow (Republic of Poland)901-950 QS World University Rankings:

<u>https://www.topuniversities.com/universities/agh-university-krakow</u>



The topic of the doctoral dissertation

Zhezhau Kadylet

Development of a combined method for increasing the wear resistance of chisel deep aeration parts

Scientific consultant

Sherov Karibek Tagayevich, T.G.D., Professor; Nukeshev Sayakhat Orazovich, T.G.D., Professor; Foreign scientific consultant

Jacek Cieslik, doctor of technical sciences, professor, AGH University of Science and technology Republic of Poland. Krakow

QS World Universities ranking 2023: 901-950<a href="https://www.topuniversities.com/universities/agh-university-krakow">https://www.topuniversities.com/universities/agh-university-krakow</a>

### **Doctor students in 2022 admissions**



# Tusupbekova GulimMagauiyanovna

The topic of the doctoral dissertation

Development of a method for increasing the wear resistance of metal-cutting tools

Domestic scientific consultants

UserbaevMuratbekTurarbekovich, Candidate of Technical Sciences; SherovAibekKaribekovich, Ph.D.

Foreign scientific consultant

CieślikJacek,
Doctor of Technical Sciences, Professor

#### **Scopus**

#### **Scientific publications**

1.AlmatSagitov, KaribekSherov. BakhtiyorMardonov, YerzhanAkhmetov, ZhanatRamazanova, Saule Ainabekova, GulerkeTattimbek. GulimTussupbekova AzimbekEsirkepov, Experimental Study of Improving the Durability of a CupCutter by Pre-Processing. Journal of Manufacturing and Materials Processing, 2023, 7, 146. Karsakova, Nurgul Karibek Sherov, Donenbayev, Darmen Abulkhairov, Indira Sagynganova, Muratbek Usserbayev, Irina Teliman, Aibek Sherov, Gulim Tussupbekova, Calculation of the boring bar design for static rigidity and strength with simultaneous boring of a stepped hole with further optimization Journal of Applied Engineering Science. Vol. 21, No. 1, 2023, Original Scientific Paper, Paper number: 21(2023)1, 1073, 300-312.

#### **CCFES**

# Domestic international conferences

#### **Patents**

**2025** year

1. K.T. Sherov, A.A. Sagitov, M.T. Userbaev, A.K. Sherov, G.M. Tusupbekova, A method for increasing the wear resistance of metal-cutting tools/ BULLETIN OF ENU named after L.N. Gumilyov. Series of technical sciences and technologies, № 3(140)/2022. — P.141-148.

2. A.A. Sagitov, K.T. Sherov, G.M. Tusupbekova, Wear resistance of metal-cutting tools and formation of secondary contact structures during cutting/ BULLETIN OF ENU named after L.N. Gumilyov. Series of technical sciences and technologies, № 4(141)/2022. – P.87-97.

3.A. A. Sagitov, K. T. Sherov, B. T. Mardonov, J. R. Rayshanov.

G. M. Tussupbekova, Study of relationship between the processed material hardness and the pretreatment speed/Scientific journal Toraigyrov University "SCIENCE AND TECHNOLOGY OF KAZAKHSTAN" ISSN 2788-8770. №3, 2023.- P.122-133.

Tusupbekova G.M., 1st year doctoral student, Sherov K.T., Doctor of Technical Sciences, Professor, Userbaev M.T., Candidate of Technical Sciences, head of the department, Sagitov A.A. assistant, Issues of wear of metal-cutting tools/ International scientific and practical conference "Seifullin readings - 18(2): "Science of the 21st century - the era of transformation", 2022.- T.I, Part I. – P.178-181.

SherovKaribekTagaevich (KZ) ImanbaevYernatBakytovich (KZ) KarsakovaNurgulZholaevna (KZ)

MussayevMedgatMuratovich (KZ)

MardonovBakhtiyorTeshaevich (UZ)

MakhmudovLutfiddinNasimovich (UZ)

AshurovaNasibaBatirovna (UZ) SherovAibekKaribekovich (KZ)

AbishevaNazerkeBatyrbekovna (KZ) TattimbekGulerke (KZ) YessirkepovAzimbek (KZ)

TussupbekovaGulimMagauiyanovna (KZ)Method of thermofriction treatment of plane and design of friction disc, For utility model № 7579

#### **Scientific internships**

Scientific internship is planned in 2025 at the AGH Stanislaw Stasic University of Science and Technology in Krakow, Poland, Krakow under the guidance of a foreign scientific consultant, Doctor of Technical Sciences, Professor CieślikJacek.



The topic of the doctoral dissertation

Domestic scientific consultants

Foreign scientific consultant

**Scopus** 

Domestic international conferences

**Patents** 

### Yessirkepov Azimbek

Development of the design and manufa technology of a combined drilling to drilling wells

SherovKaribekTagaevich, doctor of Technical Sciences;

CieślikJacek, Doctor of Technical Sciences, Professor

#### **Scientific publications**

1. A.Esirkepov, K.T. Sherov, A.K. Rakishev, B.N. Absadykov, M.R. Sikhimbayev. Experimental study of chip formation during rotary-friction turning of parts type of rotation bodies from various materials.

News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences 2022 (5), страницы 306-318.

2.Azimbek Esirkepov, KaribekSherov,AlmatSagitov, BakhtiyorMardonov, YerzhanAkhmetov, ZhanatRamazanova,SauleAinabekova,

GulerkeTattimbekandGulimTussupbekova, Experimental Study of Improving the Durability of a CupCutter by Pre-Processing. Journal of Manufacturing and Materials Processing, 2023, 7, 146.

1. A. Esirkepov, K.T. Sherov, A.K. Rakishev, B.N. Absadykov, M.R. Sikhimbaev. Experimental study of chip formation during rotational-friction turning of parts such as bodies of revolution made of various materials. News of the National Academy of Sciences of the Republic of Kazakhstan Satbayev University, 5(455) 2022, p.308-309.

SherovKaribekTagaevich (KZ) ImanbaevYernatBakytovich (KZ) KarsakovaNurgulZholaevna (KZ) MussayevMedgatMuratovich (KZ) MardonovBakhtiyorTeshaevich (UZ) MakhmudovLutfiddinNasimovich (UZ) AshurovaNasibaBatirovna (UZ) SherovAibekKaribekovich (KZ)

AbishevaNazerkeBatyrbekovna (KZ) TattimbekGulerke (KZ)

YessirkepovAzimbek

(KZ)

TussupbekovaGulimMagauiyanovna (KZ)Method of thermofriction treatment of plane and design of friction disc, For

utility model № 7579

**Scientific internships** 

**2025** year

Scientific internship is planned in 2025 at the AGH Stanislaw Stasic University of Science and Technology in Krakow, Poland, Krakow under the guidance of a foreign scientific consultant, Doctor of Technical Sciences, Professor CieślikJacek.

### **Doctor students in 2021 admissions**



### Tattimbek Gulerke

The topic of the doctoral dissertation

Development of a method for thermofriction processing of teeth of large-module gears

Domestic scientific consultan

SherovK.T. Doctor of Technical Sciences, Professor

Foreign scientific consultant

**Mardonov B.T.Doctor of Technical Sciences, Professor** 

**Scopus** 

**Scientific publications** 

Sherov K.T.: Yessirkepova A.B.: Mashkin N.A.: Smailova B.K.. M. Strength tests of concrete cubes with addition of anthropogenic waste. International Journal of GEOMATE, July., 2021, Vol.21, Issue 83, pp.-174-180 DOI: https://doi.org/10.21660/2021.83.j2142

AlmatSagitov.:KaribekSherov.:BakhtiyorMardonov.:YerzhanA khmetov.:ZhanatRamazanova.:SauleAinabekova.:GulimTussup bekova.:AzimbekEsirkepov. Experimental Study of Improving the Durability of a Cup Cutter by Pre-Processing

https://www.mdpi.com/journal/jmmp

**CCFES** 

Sherov K.T., Mazdubai A.V., Sherov A.K., Tulieva N.B. Iri moduldi tisti dogalaktardy dayyndaudyn koldanystagi tasilderi

(sholu - 1). Proceedings of the University.— Karaganda: Publishing house of KarSTU, 2014.- №4(57)- Pp.12-14.

Sherov K.T., Mazdubai A.V. Mursalbekova N.K. Kesushi kuraldardyn beriktilik taueldiligin taldauy .Bulletin of Science of the Kazakh Agrotechnical University named after S. Seifullin.- Astana: KazAU Publishing House, 2015.-№2(85) − Pp.131-137.

Sherov K.T., Mardonov B.T., Buzakova T.M., Alzhanova A.G. A new design of a disk milling cutter for gear milling. Mechanics and technology. — Taraz: Publishing house "Tarazuniversitet" of M.H. Dulati TarSU, 2019.- №1(63)-Pp.13-19.

## International conferences abroad

Sherov K.T., Rakishev A.K., Donenbaev B.S., Computer modeling of physical processes in the cutting zone during rotational friction turning. Collection of articles based on the materials of the IX International Scientific and Practical Conference "Innovative approaches in modern science". – No. 9(9). – M., Publishing house "Internauka", 2017. – pp.123-130.

# Domestic international conferences

Ualiev D.Sh., Shaimanova Zh.K. Lubricants and coolants are the basis for the efficient operation of industry. Publishing house "Problems of Science" 2015.No.5

Sherov K.T., Mursalbekova N.K. Aldyn-ala zhanasyp yskylangan kuraldy tutynudyn shekti shartary. Materials of the republican scientific and practical conference of young scientists "Science. Education. Young people." Almaty: ATU Publishing House, 2015. – 166-167s.

#### **Patents**

#### **Scientificinternships**

01-30.03.2024

Scientific internship at the Navoi State University of Mining and Technology (Navoi). According to the results of the internship, a certificate of completion of a scientific internship was obtained.

### Participation in funded budget programs

2018-2020

Development of a high-performance method for producing balls ( $\Gamma\Phi$ )

2018-2020

BR 05236295 Creation, development and implementation of technology for the production and processing of wear-resistant materials of a new generation of parts for metallurgical units. ( $\Pi \coprod \Phi$ )

2020-2022

AP 05131751 Micro thermal power plant of coherence type with heat recovery.  $(\Gamma\Phi)$ 



### ShakhanovArslanAssank hanovich

The topic of the doctoral dissertation

Improvement of materials processing by the method of selection of optimal schemes and modes for processing the geometry of the cutting part of tools

Domestic scientific consultants

IskakovRuslanMuratbekovichc.e.s., Professor

Foreign scientific consultant

VasilievEvgenyVladimirovich c.e.s., docent

Scopus CCFES

#### **Scientific publications**

1 VASILIEV EvgenyVladimirovich, Candidate of Technical Sciences, Associate Professor, wasilyev\_@mail.ru,

2\*SHAKHANOV ArslanAsankhanovich, Master of Technical Sciences, doctoral student, arslan shahanov@mail.ru,

2ISKAKOV RuslanMaratbekovich, Candidate of Technical Sciences, Associate Professor, rus.iskakov79@mail.ru,

1FGBOU HPE "Omsk State Technical University", 11 Mira Ave., Omsk, 644050, Russian Federation

2NAO "Kazakh Agrotechnical Research University named after SakenSeifullin", Republic of Kazakhstan, Z05M6G3,

Astana, Zhenis str., 62 \*correspondent author

NAO Karaganda Technical University named after

AbylkasSaginov

Domesticinter national conferences

International Scientific and Practical conference «Shokan

okulary – 27»

09-19.04.2024 06-19.03.2024 **Scientific internships** 

Participation in funded budget programs

2021-2022 2022-2023

### **Doctor students in 2020 admission**



# Myrzakhmet Balgali

The topic of the doctoral dissertation

Improving the quality indicators of gear pumps with biaxial connection of hydraulic systems of agricultural machines

Domestic scientific consultan

KaribekSherov,Professor,Doctor of Technical Sciences

Foreign scientific consultant

JacekCieslik, Professor, Doctor of Technical Sciences, PhD (AGH University of Science and Technology, Krakow, Poland)

#### **Scopus**

#### **Scientific publications**

Sherov, K.; Mussayev, M.; Usserbayev, M.; Magavin, S.; Abisheva, N.; Karsakova, N.; Kuanov, I. Bekzhanov, Y.; Myrzakhmet, B. Investigation of the method of thermal friction turn-milling of high strength materials / Belgrad, Serbia, Journal of Applied Engineering Science, Journal of Applied Engineering Science, 2022, 20 (1), p. 13–18. https://doi.org/10.5937/jaes0-29546

Sherov, K.; Ainabekova, S.; Kuanov, I.; Myrzakhmet, B.; Bekzhanov, Y.; Gabdyssalik, R.; Mazdubay, A.; Kamarov, A.; Sherov, A. Research of temperature distribution in the process of thermo-frictional cutting of titanium alloy ti-5553 / Journal of Applied Engineering Science, 20 (2), 2022 – p. 400–407 https://doi.org/10.5937/jaes0-32723

Sherov, A.K.; Myrzakhmet, B.; Sherov, K.T.; Absadykov, B.N.; Sikhimbayev, M.R. Method for selecting the location of the clearance fields of the landing surfaces of gear pump parts with a biaxial connection / News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences, 2022. Issue 451. Volume 1, p. 159-166. DOI: doi.org/10.32523/2616-7263-2022-141-4-63-73 Sherov, A.K.; Myrzakhmet, B.; Sherov, K.T.; Sikhimbayev, M.R.; Absadykov, B.N. Gear pump quality improving by

#### **CCFES**

# Domestic international conferences

#### **Patents**

10.05.2023-09.06.2023

2024-2026

changing the design and size of the support bushings. / News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences, 2021. Issue 450. Volume 6, p. 155-162. DOI: 10.32014/2021.2518-170x.132

Sherov, K.T.; Sikhimbayev, M.R.; Absadykov, B.N.; Karsakova, N.Z.; Myrzakhmet, B. Metrological ensuring accuracy of measurement of angles v-shaped surfaces guide parts of machines for petrochemical and geological exploration industry / News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences, 2021. Issue 449. Volume 5, p. 176-183. DOI: 10.32014/2021.2518-170X.112

- B. Myrzakhmet, S. Magavin.UDC 621.9.01. Volumetric pumps. Materials of the international scientific and theoretical conference «Seifullin readings-18: «Science of the XXI century the era of transformation». 2021. T.1, V.1. P. 196-198
- B. Myrzakhmet, S. Magavin.UDC 621.9.01. Methods for improving the operation and characteristics of a gear pump. Materials of the international scientific and theoretical conference «Seifullin readings-18: «Youth and science a look into the future». 2022. T.1, V.2. P. 12-14

Patent No. 6486 for utility model. Borehole for boring step holes

Patent No. 6642 for a utility model. A device for testing gear pumps based on a lathe

Patent No. 6488 for a utility model. Universal device for combined processing

#### **Scientificinternships**

Scientific internship under the guidance of a foreign scientific consultant, Doctor of Technical Sciences, Professor JacekCieslik at the AGH University of Science and Technology, Krakow, Poland. According to the results of the internship, a certificate of completion of a scientific internship was obtained

#### Participation in funded budget programs

Submission of an application for a competition for grant funding of research by young scientists under the project «ZhasGalym» for 2024-2026, IRN: AP22686755 «Improving the productivity of hydraulic machines by manufacturing parts using additive technologies and numerical modeling», under the guidance of a scientific consultant, Candidate of Technical Sciences, Associate professor of the Department «Technological machines and equipment» S. Magavin



## Kuanov Isa

The topic of the doctoral dissertation

Development of technology for processing HARDOX steel parts based on thermal friction cutting

Domestic scientific consultan

KaribekSherov, Professor, Doctor of Technical Sciences

Foreign scientific consultant

Doctor of Technical Sciences, Professor Nasad Tatiana Gennadievna (Saratov State Technical University named after Gagarin Yu. A., Saratov, Russian Federation)

#### **Scientific publications**

Sherov, K., Kuanov, I., Imanbaev, Y., Mardonov, B., Makhmudov, L..The Investigation and Improvement of the Hardness of the Clad Surface by ThermalFriction Milling Methods / USA International Journal of Mechanical Engineering and Robotics Research, 2022, 11(10), страницы 784–792. http://www.ijmerr.com/index.php?m=content&c=index&a=show&catid=215&id=1806

Sherov, K., Kuanov, I., Imanbaev, Y., Mardonov, B., Makhmudov, L. Study of temperature distribution in the tool blank contact at different thermal friction milling methods /Словения, International Review of Mechanical Engineering, 2022, 16(9), страницы 483–491

https://doi.org/10.15866/ireme.v16i9.22512

Sherov, K.T., Donenbayev, B.S., Sikhimbayev, M.R., Kuanov, I.S., Tazhenova, G.D.The research of circular saw blade stability state for thermal frictional cutting by the method of calculation in the form of a hingeless circular arch / KazakhstanNews of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences, 2022, 2022(4), страницы 240–251https://doi.org/10.32014/2022.2518-170X.213

KaribekSherov,BMyrzakhmet,EBekzhanov,SauleAinabekova. Research of temperature distribution in the process of thermofrictional cutting of titanium alloy TI-5553 / Белград, СербияJournal of Applied Engineering ScienceJournal of Applied Engineering Science, 2022, 20(2), страницы 400–

Scopus

407https://doi.org/10.5937/jaes0-32723

K Sherov, B Myrzakhmet,EBekzhanovInvestigation of the method of thermal friction turn-milling of high strength materials / Белград, Сербия Journal of Applied Engineering Science, Journal of Applied Engineering Science, 2022, 20(1), страницы 13–18 https://doi.org/10.5937/jaes0-29546

K Sherov, B Donenbayev, V Mikhailov. Thermal state of the contact zone in the process of thermal friction drilling / United Kingdom, Journal of Physics: Conference Series, 2020, 1679(5), 052017 doi:10.1088/1742-6596/1679/5/052017

Sherov, K.T., Sikhimbayev, M.R., Nasad, T.G., Okimbayeva, A.E., The research of the steel cutting blade reliability for thermo-frictional processing / Kazakhstan News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences, 2020, 1(439), страницы 122—130 https://doi.org/10.32014/2020.2518-170X.15

**CCFES** 

E.Б. Иманбаев, К.Т. Шеров, Б.Т. Мардонов, Л.Н. Махмудов, М.Т. Усербаев Experimental study of the hardness of the deposited surface with various methods of thermal friction milling / Kazakhstan, Bulletin of the L.N.Gumilyov Eurasian National University series: Technical Sciences and Technologies, 139(2), 62–71. https://search.crossref.org/?q=10.32523%2F2616-7263-2021-136-3-67-73+&from\_ui=yes

Proceedings of the International scientific and practical conference "Integration of science, education and production - the basis for the implementation of the National Plan" (Saginovsky Readings No. 13), – Karaganda: Map, 2021 – Ch. – pp. 16-18

International scientific and theoretical conference "Seifullin Readings – 17: "Modern agricultural science: digital transformation", dedicated to the 30th anniversary of independence of the Republic of Kazakhstan, Volume I, II – bolim, 2021, pp.214-215.

International Scientific and Practical Conference "Seifullin Readings – 18: "Youth and Science – a look into the future", Volume I, II – bolim, 2022, pp. 9-11.

International Scientific and Practical Conference "Seifullin Readings – 18(2): "Youth and Science – a look into the future", Volume I, II – bolim, 2022, pp.14-16.

Proceedings of the international scientific and practical conference "Integration of science, education and production - the basis for the implementation of the National Plan" (Saginovsky Readings No. 15), dedicated to the 70th anniversary of the University, – Karaganda: KSTU, 2023 - 4... – C. 26-28

Patent No. 6789 of the Republic of Kazakhstan for a utility model. Publishedon 31.12.2021

# Domestic international conferences

#### **Patents**

Patent No. 6642 RK for utility model. Publishedon 05.11.2021. Patent No. 6642 RK for utility model. Publishedon 08.10.2021. Patent No. 6488 RK for a utility model. Publishedon 08.10.2021.

Patent No. 4592 RK for a utility model. Publishedon 10.01.2020 Patent No. 4587 of the Republic of Kazakhstan for a utility model. Publishedon 10.01.2020

#### **Scientificinternships**

Scientific internship under the guidance of a foreign scientific consultant, Doctor of Technical Sciences, Professor Tatyana GennadievnaNasad (Saratov State Technical University named after Yu. A. Gagarin, Saratov, Russian Federation). According to the results of the internship, a certificate of completion of a scientific internship was obtained

#### Participation in funded budget programs

Submission of an application for a competition for grant funding of research of young scientists under the project "ZhasGalym" for 2024-2026, IRN: AP22684350 "Improving the quality of weldability and workability of HARDOX steel by optimizing modes by methods of analytical-numerical modeling and experimental research", under the guidance of a scientific consultant Ph.D., Associate professor of the Department "Technological machines and Equipment" Sherov K.T.

2024-2026

16.05.2023

14.06.2023

### **Doctor students in 2019 admission**



The topic of the doctoral dissertation

Domestic scientific consultan

Foreign scientific consultant

## Uteuov Kanat Tulepbergenovich

Substantiation of the main design and technological parameters of the sealing part of a wide-reach seeder

Mubarak Aduovich Aduov, Doctor of Technical Sciences, Professor

**Kapov Sultan Nanuovich, Doctor of Technical Sciences, Professor** 

#### Scientific publications

Scopus

**CCFES** 

**Domestic** international conferences

Aduov, M.; Nukusheva, S.; Volodya, K.; Uteulov, K.; Karwat, B.; Bembenek. M. Experimental Field Tests of the Suitability of a New Seeder for the Soils of Northern Kazakhstan. Agriculture 2023, 13, x. https://doi.org/10.3390/xxxxx

M. Aduov, S. A. Nukusheva, K. Uteulov, T. K. Tulegenov, A. Zernov. AND TECHNICAL MEANS FOR INTRODUCING ORGANIC FERTILIZERS. Bulletin of Science of S.Seifullin Kazakh Agrotechnical University (interdisciplinary). - 2020. -

No1 (104). - P.185-190TECHNOLOGIES

Aduov Mubarak Aduovich, Nukusheva Abaidildinovnacand, Kaspakov Esen Zhaksalikovich, Isenov Kazbek Galimtaevich, Volodya Kadirbek, Tulegenov Talgat Konisbaevich, Uteulov Kanat Tolekbergenovich. The analysis of power expenditure of a wide-cut seeder for the performance of the technological operation. VIII INTERNATIONAL **SCIENTIFIC CONGRESS** AGRICULTURAL MACHINERY, Year IV Volume 1/7 JUNE 2020.

M.A.Aduov, S.A.Nukusheva, E.J.Kaspakov, K.T.Uteulov, K. Volodya, T.K. Tulegenov, K.G. Isenov. THE INFLUENCE OF THE MAIN DESIGN PARAMETERS OF THE SEALING PART ON THE TRACTION RESISTANCE OF A WIDE-REACH PLANTER. Materials of the International scientific and theoretical conference "Seifullin readings - 16: Youth science of a new formation - the future of Kazakhstan". - 2020. - Vol.I, Part 2 - pp.109-111

Aduov M.A., Doctor of Technical Sciences, Professor Nukusheva S.A., Candidate of Technical Sciences Uteulov K.T., 2nd-year doctoral student Tulegenov T. K., 3rd-year doctoral student Isenov K. G., PhD Kazakh Agrotechnical University named after S.Seifullin, Nur Sultan city. AN OVERVIEW OF TECHNICAL AND INFORMATION TOOLS FOR CREATING A SMART TILLAGE SOWING MACHINE. Materials of the international scientific and theoretical conference "Seifullin Readings - 17: "Modern agricultural science: digital transformation", dedicated to the 30th anniversary of Independence of the Republic of Kazakhstan. - 2021. - Vol. 1, Part 2 - B. 209 - 211

Uteulov, 3rd year doctoral student, Agrotechnical University named after S.Seifullin, Nursultan city. AN OVERVIEW OF THE FRAME CONSTRUCTION OF THE SEALING PART OF MODERN WIDE-REACH SEEDERS. Materials of the international scientific and practical conference "Seifullin readings - 18: "Youth and science – a look into the future" - 2022.- Vol. I, Part II. - pp. 30-33

Aduov Mubarak (KZ) Nukusheva Saule Abaidildinovna (KZ) Kaspakov Yasen Zhaksylykovich (KZ) Uteuov Kanat Tleubergenovich (KZ) Volodya Kadirbek (KZ) Tulegenov Talgat Konyspaevich (KZ) Isenov Kazbek Galymtaevich (KZ). A wide-ranging planter. Patent for invention No. 35397.

**Patents** 

#### **Scientific internship**

Scientific internship at the Scientific and Production Center of Agroengineering LLP (Almaty). According to the results of the internship, a certificate of completion of a scientific internship was obtained.

scientific consultant. Doctor of Technical Sciences. Professor Kapov S.N. at the StGAU (RF). According to the results of the internship, a certificate of completion of a scientific internship was obtained.

Scientific internship under the guidance of a foreign

#### 2018-2020 2020-2022

09-19.03.2021

06-19.03.2022

#### Participation in the funded budget programs

2018-2020 267 "Increasing the availability of knowledge and scientific research" subprograms 101 "Program-targeted financing of scientific research and activities" BR06349506, "Transfer and adaptation of technologies for point farming in the production of crop production on the principle of "demonstration farms" (polygons) in the North Kazakhstan region", under the guidance of a scientific consultant, Doctor of Technical Sciences, Professor M.A. Aduov.