

ACADEMY OF SCIENCES OF TURKMENISTAN



"SCIENCE, TECHNOLOGY AND INNOVATION IN THE PERIOD OF THE REVIVAL OF THE NEW EPOCH OF THE POWERFUL STATE"

International Scientific Conference

PROGRAMME

June 12-13, 2025

Ashgabat – 2025

Dear Mr/Ms _____!

We would like to invite you to participate in the International Scientific Conference "Science, Technology and Innovation in the period of the Revival of the new epoch of the powerful state ", which will be held according to the Decree of the President of Turkmenistan in Ashgabat on June 12-13, 2025.

ORGANIZING COMMITTEE

Agenda of the International Scientific Conference
"SCIENCE, TECHNOLOGY AND INNOVATION IN THE PERIOD OF THE
REVIVAL OF THE NEW EPOCH OF THE POWERFUL STATE"

Ashgabat, June 12-13, 2025

June 10–11

Arrival of the participants of the International Scientific Conference to Ashgabat, the capital of independent, neutral Turkmenistan; meeting the participants at the International Airport and accommodation in “Ashgabat” hotel.

June 11, Wednesday

Time	Name of the event
08:00 – 09:00	Breakfast at the place of residence
09:30 – 12:00	Visit of the participants of the International Conference to the State Museum of the State Cultural Center of Turkmenistan and the National Museum of the Turkmen Carpet of the State Association "Turkmenhaly"
13:00 – 14:00	Lunch at the place of residence
16:00 – 18:00	«Magtymguly Pyragy» Cultural Park Complex visiting
19:00 – 20:00	Dinner at the place of residence

June 12, Thursday

07:30 – 08:30	Breakfast at the place of residence
09:00 – 10:00	Visiting the exhibition of innovative technologies at the International conference venue
10:00 – 13:00	Opening of the International Scientific Conference Congratulatory address of Esteemed President of Turkmenistan Serdar Berdimuhamedov to the participants of the International Scientific Conference "Science, technology and innovation in the period of the Revival of the new epoch of the powerful state"
	<i>Venue:</i> Oguz Han Engineering and Technology University of Turkmenistan
13:00 – 14:00	Dinner at the place of residence

- 14:00 – 16:00** Awards ceremony of the winners of the scientific competition amongst the youth of Turkmenistan
- 16:30 – 18:00** Festive concert of masters Arts and student youth dedicated to the Day of Science
- Venue:* Oguz Han Engineering and Technology University of Turkmenistan
- 19:00 – 20:00** Dinner at the place of residence

June 13, Friday

- 07:30 – 08:30** Breakfast at the place of residence
- 09:00 – 16:30** Sections of the International Scientific Conference
- Venue:* Related High Educational Institutions, International Science and Technology Park and Magtymguly Institute of Language, Literature and National Manuscripts
- 13:00 – 14:00** Lunch at the place of residence
- 17:00 – 18:00** Closing session of the International Scientific Conference
- Address of the participants of the International Scientific Conference "Science, technology and innovation in the period of the Revival of the new epoch of the powerful state" to the Esteemed President of Turkmenistan Serdar Berdimuhamedov**
- Venue:* Oguz Han Engineering and Technology University of Turkmenistan
- 19:00 – 20:00** Dinner at the place of residence

June 14–15

- 07:30 – 08:30** Breakfast at the place of residence
- Departure of the guests of the International Conference

PROGRAMME

of the International scientific conference "SCIENCE, TECHNOLOGY AND INNOVATION IN THE PERIOD OF THE REVIVAL OF THE NEW EPOCH OF THE POWERFUL STATE"

June 12-13, 2025

PLENARY MEETING

Venue: **Oguz Han Engineering and Technology University of Turkmenistan**

Link for Online <https://us06web.zoom.us/j/82775520962?pwd=JmXU3CfaLAluwZX5FYdLn7s1wZalkC.1>

Participation ID: 827 7552 0962
Code: 18122024

- 1. Isa Habibbayli** (Republic of Azerbaijan)
President of Azerbaijan National Academy of Sciences, academician (online speech)
Story and modern conditions Azerbaijani-Turkmen scientific relationships
- 2. Sirojiddin Mirzaev** (Republic of Uzbekistan)
Vice President of the Academy of Sciences of the Republic of Uzbekistan, Doctor of Science, Professor
Simulation model for assessing the economic impact of strong earthquakes
- 3. Rifkat Minnikhanov** (Russian Federation)
President of the Academy of Sciences of the Republic of Tatarstan, Doctor of Science, Professor (online speech)
An ecological approach to the scientific and technological development of the Republic of Tatarstan
- 4. Vasili Hurski** (Republic of Belarus)
Chief Scientific Secretary of the National Academy of Sciences of Belarus, PhD
New tasks of development of scientific sphere in the Republic of Belarus in the context of strengthening technological sovereignty
- 5. Evgeny Shlyakhto** (Russian Federation)
General Director of the National Medical Research Center named after V.A.Almazov, member of the Presidium of the Russian Academy of Sciences, academician (online speech)
Heart failure 2025
- 6. Kamran Musayev** (Republic of Azerbaijan)
President of the Association of Cardiac Surgeons of the Turkic World, Doctor of Sciences, Professor

Surgical treatment of thoracoabdominal aortic aneurysms: experience of the Central Clinic

7. Vladimer Papava (Republic of Georgia)

Academician-Secretary of the National Academy of Sciences of Georgia, Academician

Retroeconomic barriers in the development of an innovative economy

8. Gevorg Vardanyan (Republic of Armenia)

Expert of the National Academy of Sciences of the Republic of Armenia on cooperation with the CIS countries, PhD

On cooperation and development of science in the CIS countries

9. Ferial Filali (People's Democratic Republic of Algeria)

The Algiers University scientific council president / International expert in Beijing Language and Culture University, Doctor of Sciences, Professor (online speech)

Algeria-Turkmenistan shared historical and cultural ties to facilitate cooperation within the New Silk road framework

10. Zona Zaidi (Islamic Republic of Pakistan)

Scientific Advisor of the Ministry of Science and Technology of Pakistan, Doctor of Science

Fish diversity and water quality in different zones of upper river Indus basin, Pakistan

SECTION I

NANOTECHNOLOGY, CHEMICAL TECHNOLOGIES, THE STUDY OF NEW MATERIALS AND POWER ENGINEERING

Venue: **Yagshygeldi Kakayev International University of Oil and Gas**

Link for <https://us06web.zoom.us/j/87102139111?pwd=SP0igcI0wb6Gihh6iByoXaJTaggPjR.1>
Online
Participati ID: 871 0213 9111
on Code: 749133

Heads of Sidorov-Biryukov Dmitry (Serbia)

section: Amaniyazov Yakupgeldi (Turkmenistan)

Secretary: Hoshdurdyev Hakberdi (Turkmenistan)

1. Umida Ziyamukhamedova, Elbek Turgunaliyev (*Uzbekistan*)

Investigation of the effect of dispersed fillers on mechanical properties in sulfur-containing polymer heterocomposites

2. Ali Lari (Qatar)

Design and implementation of a nano-grid system for real-time pv output monitoring and prediction

3. Umarbek Alimov, Najimuddin Usanboev, Azamat Orakbayev (Uzbekistan), **Hallymyrat Atayev, Ogulnur Jumayeva, Maya Rejepova** (Turkmenistan)

Obtaining liquid complex fertilizers and improving agents based on step-by-step oxidation of licorice meal with hydrogen peroxide

4. Guoxun Chen (China)

Comparison of the safety of the fresh and tender stalk and leaves of *artemisia argyi* treated or untreated with boiled alkaline solution

5. Borys Gorelov, Oleksandra Khora (Ukraine)

Quantum chemical calculations of the interaction doxorubicin with carbon nanotubes

6. Aziz Ibragimov, Adkhamjon Normamatov, Miyribek Djiemuratov (Uzbekistan)

Novel mono- and binuclear cobalt complexes of 2-hydroxy-5-nitrobenzoic acid: exploring their synthesis, characterization and biological activity

7. Mirabbos Khujamberdiev (Denmark)

Transition metal oxynitrides for solar water splitting to produce green hydrogen

8. Alina Kudryashova, Irina Gromyko (Belarus), **Halima Babakhanova** (Uzbekistan)

Investigation of paper moisture content eco-paper made of calcium carbonate

9. **Irina Marchenko** (Belarus)
investigation of color perception by structurally heterogeneous paper media
10. **Jasurbek Nafasov, Umida Shaozimova** (Uzbekistan)
11. **Utkir Nasirov, Firuza Zairova, Evgeniy Isaev** (Uzbekistan)
Method of forming benches on the limit contour of a quarry
12. **Numov Niyozov, Nurbek Kurbonov, Shohruh Atadjiev** (Uzbekistan)
Efficiency of using intelligent control systems for optimal management of electrical loads
13. **Usama Bin Perwez** (Pakistan)
Techno-economic evaluation and process safety of green hydrogen-based hybrid energy systems
14. **Dmitry Sidorov-Biryukov, Dragana Dzurić** (Serbia), **Sergey Abaseev** (Turkmenistan)
Earthquake class computation plugin for the seiscomp software
15. **Vitaly Tinkov** (Russia)
Innovative japanese equipment for science and industry
16. **Abdolkhakim Toghdory, Mostafa Bokharaeian Khorasan, Taghi Ghoorchi** (Iran)
Effect of curcumin nano-particles on growth performance, immune response, and meat quality of fattening lambs in hot climates
17. **Yang Li Li** (China)
Metalloprotein research in the progression of alzheimer's disease
18. **Sherzod Zairov, Lazizjon Sharipov, Evgeniy Isaev** (Uzbekistan)
Seismic-safe method of blasting operations in the quarry edge zone
19. **Zeynal Zeynalov** (Azerbaijan), **Huseyin Arda Ozer** (Turkey)
Innovative technologies from REHAU company
20. **Nikolay Kochetov** (Belarus)
Preservation materials based on nitrated oil
21. **Gurbanmyrat Mezilov, Gylychmammet Orazov**
On the dependence of the growth rate of holographic gratings on laser intensity in photorefractive crystals under pulse-periodic pumping
22. **Muhammetberdi Gurbanov**
Modern technologies of complex processing of alunite
23. **Annadurdy Rahmanov, Saparmyrat Hojageldiev**
Selection of a new type of filler in heat exchangers based on direct contact
24. **Begli Gurbangeldiyev, Durdymyrat Gadamov**
Innovative technology for extracting vitamin D₃ from sheep wool
25. **Hallymyrat Atayev**
The importance of using a phase diagram in processing hydromineral raw materials
26. **Akjagul Saparova**
Modern ways of development of the chemical industry of the country

27. **Ogulsapar Ashirova, Mahri Cholykova**
Possibilities of producing complexly enriched fertilizers “zeolite-humus” for greenhouses and agriculture based on local raw materials
28. **Jumageldi Hudayberenov, Hallymyrat Atayev**
Prospects for the use of salt resources of the Gara-Bogaz-Gol bay
29. **Larisa Mamedova, Luidmila Atamalova**
Development of optimum conditions for the synthesis of alkali metal iodides to obtain the final products KI and KIO₃
30. **Leyla Taganova, Maya Rejepova**
Selection of optimal conditions for extracting flavonoids from hawthorn fruits
31. **Maksat Allamyradov, Myratdurdy Keymirov**
Method of producing modified bitumen using pyroresin – a waste from polymer production
32. **Ogulsuray Dzhepbarova, Rejepnur Nurberdiyev**
Possibility of using marble production waste in cement production
33. **Toily Myradov, Ashyr Ashyrov**
The importance of scientific research in the high growth rate of the textile industry
34. **Meret Hudayberdiyev, Rahmanguly Esedulaev**
Innovative technology for preventing formation of paraffin-resin deposits in oil pipelines by combining alternative energy sources
35. **Rabiya Babanazarova, Gulzat Myradova**
Extraction of humic substances from brown coal by ultrasonic method
36. **Gulsat Soltanmyradova**
Possibilities of obtaining magnesium oxide from dolomite and bishofite by a combined method
37. **Ejebay Atalykova**
Obtaining vegetable oils from industrial waste
38. **Maysa Annaorazova, Aygul Mukhammedova**
Organic filter that removes antibiotics and harmful microbes from water
39. **Aman Pirmedov, Maral Sayatova**
Technology of production of bitumen emulsion from local raw materials
40. **Atamyrat Abduraimov, Kakageldi Aşyrow**
Analysis of methods for processing oil wastes accumulated in warehouses to obtain building materials
41. **Maksatmurad Nurgeldiev, Allamurad Akmuradov**
Natural reserves and biochemical features of the Kopetdag doreme in the Sunche gorge
42. **Ogulnar Meredova, Kerim Kerimov**
Environmental importance of using waste in the production of a new product
43. **Maral Annaberdiyeva**
Photoelectrical characteristics OF Au-p-GaP Schottky diodes
44. **Nuryagdy Nazarov, Maral Kokanova**
Electrical properties of GaP/Si heteroepitaxial p-n structures

- 45. Bayrambay Dosnazarov**
Studying temperature characteristics of photoelectric converters
- 46. Shemshat Eyeberenova, Bahar Altymuhammedova**
The importance of using pumpkin seed essential oil in medicine for the treatment of various diseases
- 47. Perhat Soltanmyradov**
LC-MS/MS quantitative analysis of 11 total thyroid hormones and metabolites in serum for clinical research
- 48. Ayjemal Gylyjova, Gulshat Begenjova**
Photoelectrical characteristics of nanostructured Pt-n-GaP Schottky diode
- 49. Aydyn Ahmedov**
Synthesis of a naphthenate mixture and its catalytic activity in the oxidation of petroleum hydrocarbon fractions
- 50. Nurmammet Annamyradov, Halnabat Nuriyeva**
Exploration work on gas and gas condensate fields
- 51. Rahmetnur Aymammedov**
Geological and geophysical justification of hydrocarbon traps within (based on the use of modern computer software)
- 52. Saparklych Durdyklychev**
The main tasks of control over the development of gas and gas condensate fields
- 53. Ogulsheker Esedulayeva**
Problem of determining liquid pressure on a shoe by the gas lift method
- 54. Mekanguly Garovov, Chynar Geldieva**
Analysis of lubricating reagents for the release of stuck drilling pipe
- 55. Chynar Geldiyeva, Akmyrat Akmyradov**
Killing fluids used in repairing wells with abnormally low formation pressure
- 56. Allaberdi Halmyradov**
Cryogenic technologies for producing R290 propane freon from natural gas
- 57. Ayjemal Hydyrova, Gunca Berdieva**
Application of 2D seismic exploration for gas deposits prediction
- 58. Irina Luryeva, Jahan Babamyradova**
Use of sulfur: importance, applications and environmental aspects
- 59. Jeren Ashirmuhammedova, Lachyn Durdyyeva**
Methods of programming credit calculations
- 60. Aman Hasiyetov, Maksat Babayev**
Innovative technologies for obtaining paraffins and hydrogen from natural gas
- 61. Sheker Akyyeva, Maksat Bayramov**
Production of methyldiethanolamine in Turkmenistan
- 62. Yakupgeldi Amaniayazov, Dowletgeldi Mowlamov**
Method for making cotton buds for use in cement grouting
- 63. Dovran Esenov, Nurmyrat Durdyyev**
Innovative methods for calculating hydraulic pressure losses during well flushing

- 64. Mergen Amanov, Batyr Mammedov**
Cleaning of contaminated soils from oil and petroleum products
- 65. Aytach Amanova**
Monitoring of underground gas storage
- 66. Ogulgerek Berdimyradova, Arslan Geldimuradov**
Improving the operation of production gas wells
- 67. Merdan Kakabayev, Ashirmammet Alchekov**
Improving methods of using renewable energy sources
- 68. Aytach Durdygylyjowa, Saparklych Durdyklychev**
Algorithm and program for calculating the center of mass of a condensate field
- 69. Dovran Esenov, Mahmud Haydarov**
Innovative hydraulic device for removing air from the drill pipe and column space
- 70. Ayna Garryyeva, Maya Gurbangeldiyeva**
Innovative methods of exploitation of local mineral substances of rare elements
- 71. Muhammetniyaz Gurdov**
Design of a small wind power plant
- 72. Guljan Gurdova, Irina Bayramova**
Method of sustainable and rational use of water
- 73. Dovletgeldi Orazgulyev**
Emergency warning measures on main pipelines operated in desert conditions
- 74. Mayya Owlyagulova, Jahan Berdiyeva**
Ultraviolet photoreceptors for ecological testing
- 75. Berdimyrat Saparov, Shaja Ayliyev**
Determining the possibility of using coal extracted from the Tuvagyr deposit in drilling fluids
- 76. Dovletgeldi Tejenov**
Use of drilling muds under anomalous low stratal of the pressures during overhaul of gas wells
- 77. Shohrat Tulemedov**
Cooling systems with vortex operating on alternative energy sources
- 78. Hojanepes Evzhanov, Enegul Orazmammedova**
Advantages of using atomic absorption spectrophotometry in analysis
- 79. Emir Allanurov**
New composition for restricting the inflow of formation water into oil wells
- 80. Bayramtach Altyeva**
Analysis of the current state of development and prospects for further development of the Ekerem deposit
- 81. Bagtygul Annageldiyeva**
Criteria for allocating effectively saturated thicknesses in the total thickness of the horizons of the Gunorta Gamyshlydza deposit
- 82. Zokhregul Byashimova**
Biolithostratigraphy of pliocene deposits of the Western Turkmen basin

- 83. Gulnara Begjanova**
On the issue of increasing oil recovery from productive formations of the Gunorta Gamyshlydza deposit
- 84. Bayramgul Khadzhieva**
Justification of a new direction of geological exploration works
- 85. Maysa Melyaeva**
On the question of resumption of geological exploration works in the Gunorta Uzynada area
- 86. Guljemal Pashdurdyeva, Nogai Muradzhanov**
On the importance of geophysical research in wells of Southwest Turkmenistan deposits
- 87. Dovletberdy Elyasov**
Relationship of mud volcanoes with deep faults of the Western Turkmen basin
- 88. Ogulgerek Abdyýewa, Toýbibí Ataniýazowa**
Gogerendag - oil and gas potential and the future of the northern part of the Ekerem region
- 89. Nurmet Hojaberdiyev, Irina Bayramova**
Method of studying of the ecological condition of the Aral region
- 90. Toymyrat Orazov, Muhammet Mamenov**
Mechanochemical activation is a modern way to improve the concrete quality
- 91. Larisa Agayeva**
Methods of reducing seismic risk in Turkmenistan
- 92. Muhamet Mamenov, Zelili Ahmedov**
Dry building mixtures based on composite anhydrite binder raw materials
- 93. Myrat Gurbanov**
Soil conditions of the mosque construction site in the city of Arkadag
- 94. Atajan Hezretow**
Application of methods of the georadar-location for studying of subsurfaces of the layers
- 95. Myahrijemal Hydyrkuliyeva**
Determination of dynamic characteristics of mechanical properties of ground using engineering geophysical research
- 96. Maral Amanova**
Diffraction efficiency of holograms formed in a photorefractive piezoic crystal $\text{Bi}_{12}\text{TiO}_{20}$
- 97. Kakabay Hojanepesov**
Device of complex measurement of atmospheric parameters affecting solar cell parameters on the basis of arduino microcontroller
- 98. Ayna Niyazgulyyeva**
A study of placement characteristics of base stations of 4G cellular communication systems in urban environments
- 99. Serdar Myradov**
Electrical properties of variable-gap $\text{Au-n-Ga}_{1-x}\text{Al}_x\text{As-n'-GaAs}$ surface-barrier structures

- 100. Jeren Atabayeva, Azady Atabayev**
Effect of current transformer saturation in transient conditions
- 101. Meret Meredov, Ogulshirin Haydarova**
Scientific basis for optoelectronic analyzers for the analysis of liquids in the infrared region of the spectrum
- 102. Gyzylgul Gurbanova**
Monitoring corrosion processes to maintain the functionality of sea vessels and marine infrastructure facilities
- 103. Guncha Hydyrova, Shamuhammet Shamuhammedov**
High efficiency photodiode's structure based on $\text{GAAS}_{1-x}\text{SB}_x$
- 104. Sheker Atageldiyeva**
High-energy methods for synthesis nanoemulsions from plant-derived bioactive compounds
- 105. Merdan Batyrov**
X-ray pair distribution function analysis of gold nanocrystals obtained from molecular dynamics simulation
- 106. Ayjemal Berdiyeva, Gulshat Charyyeva**
Possibilities of obtaining syngenite from waste of chemical production
- 107. Mukam Ekayev**
Hydrogen and plasma functionalization of carbon nanotubes
- 108. Aylar Geldiyeva**
Enhancing biosensor performance with functionalized nanomaterials for healthcare transformation
- 109. Enejan Hudayberdiyeva**
Technology of extracting of cosmetic product from local raw material of Turkmenistan ozokerite
- 110. Enejan Ishanova**
Innovative technology for obtaining a thin layer of molybdenum disulfide (MoS_2), used in modern nanoelectronics
- 111. Gulnaza Matkarimova**
Intumescent paint: a fireproofing innovation with local production perspectives in Turkmenistan
- 112. Mergen Nunnakov**
Technology of using zeolite filters to extract clean drinking water from groundwater in Turkmenistan
- 113. Chinar Nuriyeva**
Study of silver nanoparticles synthesis methods from silver nitrate
- 114. Oguljemal Orazmyradova**
Hydrothermal synthesis of ceramic materials
- 115. Yslam Orazow**
A practical and affordable EEG-based methodology for detecting neurodegenerative diseases
- 116. Ogulkeyik Almazova**
Possibilities of obtaining of precipitated silica for paint coatings

- 117. Kerim Ryzayev**
Nanocomposite polymer membranes for enhanced water purification
- 118. Ayna Egemberdiyeva**
ECO-friendly synthesis of iron oxide nanoparticles: pioneering sustainable nanotechnology applications
- 119. Merjen Rozyyeva**
Development of bioplastic materials using whey protein derived from dairy byproducts
- 120. Govher Begmyradova**
Protective solar panels – an innovative way of obtaining solar energy
- 121. Nazikjemal Annaberdiyeva**
Development of a new form of backfill layer by direct heating in cooling system
- 122. Aganiyaz Jumayev, Atageldi Kakabayev**
Technical analysis of the organization hydrogen production based on solar energy
- 123. Serdar Nazarov**
The future of natural gas compatible components' processing and their possibilities
- 124. Oguloraz Saparlyyeva**
Technical analysis of the use of solar energy in biofuel production
- 125. Amirhan Matyakubov**
Studying the possibility of using local technical oils and animal fats as a thermal energy accumulator
- 126. Bagul Jepbarova**
Nanotechnology and energy in the environment of possibility protection
- 127. Ogulbabek Abdykadyrova, Ogulsapar Gurbanmyradova**
Role of PSIM software in solar energy modeling
- 128. Mahri Daňatarova**
The importance of improving the efficiency of providing hot water obtained from renewable energy sources lies in several key aspects
- 129. Agamyrat Ovulyagulyyev, Mahym Nurmuhammedova**
Important conditions for the sustainable growth of the country's economy based on energy efficiency
- 130. Merdan Nursahedov, Myahri Danatarova**
The importance of innovative technologies in natural gas consumption
- 131. Ataberdy Mommiev, Ayshat Bashimova**
Comparative indicators of energy consumption in agriculture
- 132. Bibihajar Kerimova**
Smart agriculture in Turkmenistan: innovative solutions through artificial intelligence and solar energy
- 133. Batyr Mammedov, Guljemal Mammedova**
Gas-lift method of well operation with ultrasonic impact
- 134. Sapargeldi Danatarov, Hasan Sharipov**
Preparation for drinking water purification using local filtering materials

135. Aylar Kanayeva

The role of the state purpose of comprehensive development of chemical science and technology in training young technologies

136. Zelili Ahmedov

Composite anhydrite binder

137. Gulshirin Jumayeva, Agajuma Zakirov

Dynamic impact on soil mass

138. Yolly Myradov, Atageldi Garajayev

Modified bitumen with recycled tyre rubber (for road asphalt-concrete mixtures), suitable for weather conditions of Turkmenistan

139. Daulbay Melebaev, Altynjemal Yazyyeva

Photosensitivity of chemically prepared Au-Ga₂O₃(Fe)-n-GaAs nanostructures in the ultraviolet range of the spectrum

SECTION II

BIOTECHNOLOGY, MOLECULAR BIOLOGY, AGRICULTURE, ECOLOGY AND GENETICS

Venue: **International Science and Technology Park**

Link for <https://us06web.zoom.us/j/86751398195?pwd=aWgJTCrJj8PlwUfgF2gAhdv5UyCM7b.1>
Online
Participat ID: **867 5139 8195**
ion Code: **253215**

Heads of **Dobrolyubov Sergei** (Russia)
section: **Gadamov Durdymyrat** (Turkmenistan)
Secretary: **Rahmanova Altyn** (Turkmenistan)

1. **Ashot Aslanyan** (Armenia)
EX SITU conservation as a form of biodiversity preservation
2. **Naira Ayvazyan** (Armenia)
Translation potential of animal's venom and current trends in antivenom production
3. **Sergei Dobrolyubov** (Russia)
Current fluctuations of the Caspian sea level and their impact on the environment
4. **Liana Khachatryan** (Armenia)
Innovative development of agriculture: challenges and prospects
5. **Nurbek Khamraev** (Uzbekistan)
Analysis of SSR markers associated with harvest index of soft winter wheat
6. **Zarrina Niyozmatova** (Tajikistan)
Features of climatic conditions for breeding carps in a pond in the Sughd region
7. **Olga Opalko, Volodymyr Hrabovyi, Anatoly Opalko** (Ukraine)
Evaluation of the topping practice on the urban trees adaptability
8. **Sergiy Shulga** (Ukraine)
Aerosol of liposomal form of curcumin and microRNA mix for the Alzheimer's disease therapy
9. **Olena Tiginova** (Ukraine)
Alternative fuel – biobutanol
10. **Huseyin Arda Ozer** (Turkiye), **Zeynal Zeynalov** (Azerbaijan)
Nanotechnology in chemical industry
11. **Andrey Panin** (Russia)
History of the Amu-Darya river and its role in the formation of the Karakum desert

12. **Rano Sirotina** (Bulgaria)
Economic prospects for the development of *artemisia cina* and *artemisia turcomanica* as sources of essential oils, dry extracts, and hydrolates
13. **Tamara Yanina** (Russia)
Ancient history of the Caspian coast of Turkmenistan
14. **Geng Zhang** (China)
Development of biomass-based carbon materials for batteries and electrochemical synthesis of biomass-based high value-added chemicals
15. **Arkady Avetisyan, Gennady Kosyanenko** (Russia)
Humic preparations
16. **Muhammet Artykov**
Impact of mineral fertilisers on cotton growth and yields
17. **Kerimnazar Mammetkulov, Kuvvat Serdarov**
False mildew (downy mildew) of grapevines
18. **Uma Kerimova, Lachin Akhmedova**
Growing pears in Turkmenistan
19. **Rasul Toymuradov**
The role of the turbid waters of the Amu Darya in the assimilate of deserts
20. **Ayjakhan Veljanova, Pirli Kepbanov**
Coastal medicinal plants of the middle current of Amyderya
21. **Hojageldy Khanchayev**
The importance of choosing pastures for sheep grazing depending on the seasons of the year
22. **Enver Meredov**
Phytomelioration methods for shifting sands fixation
23. **Pirli Kepbanov, Gulnabat Jumamuradova**
Haloxylon aphyllum columns of Oktumgums
24. **Shemshat Shohumova, Maral Nobatova**
Breeding and seed production of melon crops in Turkmenistan
25. **Aleksandr Shestopal, Olesya Geokbatyrova**
Mammals of Northwestern Turkmenistan
26. **Serdar Rozyyev, Olga Durdyeva**
Integrated rangeland assessment
27. **Jeren Atlieva, Dovran Abdyrasulov**
Innovative ways to improve military-ecological education
28. **Agahan Danatarov**
Agriculture and its productive links with the biosphere
29. **Rejepmurad Ishankuliyev, Oraztach Mahmudova**
A comprehensive solution to environmental problems of cities
30. **Nikolay Nikolayev**
Geoinformation systems and GPS for agricultural decision making
31. **Abadan Hemrayeva, Bossantach Taganova**
The role of plants and microorganisms in soil salinization
32. **Ejebay Kokanova**
Mass reproduction of the desert bug in the Karakum under climate change

33. **Azat Atayev, Batyr Baygeldiyev**
Issue of improving the natural state of vegetation of the Central Karakum
34. **Sapargeldy Durdyev, Ogulmenli Soyunova**
Biological diversity of coccinellids (*coleoptera*, *coccinellidae*) of cotton agrobiocenosis in Turkmenistan
35. **Muhammedaman Saryyev, Sulgun Garayeva**
Using soil extract to preparation of nutrient medium based on collector-drainage for microalgae
36. **Kakabay Annaniyazov, Bakhar Mukhammetniyazova**
The concept of creating hyperspectral images
37. **Halmuhammet Ataev**
Dependence of the volume of moved sand on wind regime
38. **Agarovshen Yagshymyradov, Shemshat Nuryyeva**
High-quality cotton varieties with a future
39. **Gurbandurdy Novruzov, Guwanchgeldi Amanov**
Testing of a new grade of bleach
40. **Murad Shirmamedov**
Inheritance of fiber length
41. **Muhammetrahym Meredov, Annagozel Berdiyeva**
Creating new varieties of cotton demand of the time
42. **Ayna Hudayberdiyeva, Natalya Muradova**
Results of the first variety test
43. **Kakajan Atahanov, Myrat Agamyradov**
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44. **Rejepmyrat Berdimyradov, Lachyn Durdylyyeva**
High-yield cotton varieties
45. **Maksat Meredov, Jeyhun Allanov**
Fine-fibered cotton variety Yoloten-63
46. **Mahriban Orazberdiyeva, Aygul Shamyradova**
Study of the influence of microalgae suspensions grown in drainage water on the germination of grain crops seeds
47. **Bahargul Muhammedova, Baky Nurmyradov**
Environmental issues of protection of biological resources of the Caspian regions
48. **Ogulgerrek Bayramdurdyeva, Gylychmyrat Nurgeldiev**
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49. **Muhammetberdi Bashiev, Gylychmyrat Nurgeldiev**
Environmental impact assessment of the “Galkynysh” hydrogen sulfide gas condensate field
50. **Bayramberdi Tirkeshov**
Coleoptera insects of the Gaplangyr state nature reserve
51. **Arazmurat Amanov**
New species of birds of the Gaplangyr state nature reserve of Turkmenistan

- 52. Akjagul Berdiyeva, Allamyrat Akmyradov**
Raw material reserves of turkmen barberry in Central Kopetdage
- 53. Aybolek Perdayeva, Gurbanbibi Nepesova**
Conducting of monitoring of the system “ECONET” of Turkmenistan on the basis of information of space satellite
- 54. Atamyrat Berdiyev, Mahym Nepesova**
Results of cultivation of fenugreek seeds in vitro
- 55. Nurana Orazova, Hurma Muhammetgulyyeva**
Technology of preparation of crackers from camel thorn extract
- 56. Dovletmyrat Porrykov, Ogulnur Rozyeva**
Comparison of emulsifying properties of pure glycyrrhizine and licorice root extract
- 57. Hurma Muhammetgulyyeva**
Biodegradation of low-density polyethylene waste (LDPE) “*in vivo*” conditions
- 58. Myrat Rejepkulyev, Shemshat Jumayeva**
Results of using new horse feeding technologies
- 59. Babageldi Kurbanov**
Application of drip irrigation for cucumber growing
- 60. Yazguly Atayew, Ogultach Gurbanova**
Features of the effective use of mineral filling in agriculture
- 61. Parahat Meredov**
Assessment of the stability of the collector-drainage system coating using the geosoft program
- 62. Yangiljon Paliazova**
Influence of fertilizers on sunflower growth and productivity on saline soils
- 63. Maya Hajyeva**
Bioecological features of the corn stem borer
- 64. Ogulnabat Rakhmanova, Bahargul Danatarova**
Geographical features of the flora of the Central Kopetdagh
- 65. Nurberdi Nurberdiyev, Orazmyrat Pirnazarov**
The impact of drought and dust storms on the ecological system of the Karakum
- 66. Myratguly Amangulyev, Merdan Soyunov**
Possibilities of obtaining some biologically active substances from local raw materials
- 67. Rovshen Durdyev**
Ecological features of the Amu darya pheasant (*phasanus colchicus zarudnyi* (but) in Turkmenistan
- 68. Ogulnar Baysahedova, Myratguly Amangulyev**
Obtaining a moisturizing cream with antioxidant and provitamin properties
- 69. Kakageldi Charyberdiyev, Guwanch Yoldashov**
Features and composition of mare’s milk
- 70. Merdanbeg Piriye**
Phytomeliorative characteristics of African millet

- 71. Valentina Nasibyants, Eziz Gurtmyradov**
Results of experimental research on a solar dryer
- 72. Lachin Akhmedova, Shirin Guvanjo**
Methods of reproduction of seedlings of high yielding varieties of fruit garden
- 73. Mahrijemal Allamuradova, Ogulkeyik Enermyradova**
The importance of forest belts in improving the ecological state of Northern Turkmenistan
- 74. Kadyr Amanov, Rejepnur Nurov**
Scientific study of the influence of ecologically pure organomineral fertilizers on soil fertility
- 75. Gurbanberdi Khommadov, Suray Mukhamedova**
Growing munsh bean on a scientific basis
- 76. Mayya Deryayeva**
Agrotechnical measures to be carried out in the cultivation of okra in the conditions of Turkmenistan
- 77. Gulalek Allakulieva**
New scientific data on the ecology of the nikolskaya (megastigma juniperi nikolskaya, 1952) in Turkmenistan
- 78. Gulshat Matiyeva, Ogulmaral Taganova**
The importance of growing topinambur in agriculture
- 79. Yagmyr Orazov, Mayagozel Shekeraliyeva**
Effect of continuity of maturation periods on varieties yield of winter wheat crown in production
- 80. Hoshgeldi Agakishiyev, Oguljeren Hudaynazarova**
New varieties of winter soft wheat "Serdar"
- 81. Gulistan Arazova, Hoshgeldi Agakishiyev**
New varieties of winter soft wheat "Arkadag"
- 82. Geldimurad Orazov, Eziz Artykov**
Introduction of rice varieties to Turkmenistan
- 83. Maksat Rozyyev**
Growing peach seedlings in a nursery
- 84. Halapberdi Yusupov, Kadyr Berkeliyev**
Scientific substantiation of primary seed production of wheat
- 85. Akmammet Tenirov, Parahat Ballyyev**
Influence of sowing dates and rates on the growth and yield of newly introduced wheat varieties
- 86. Myratgeldi Chopanov, Lachyn Mamedbayeva**
Bioecological characteristics of cereal aphid – a pest of winter wheat
- 87. Ashyr Yollybayev, Akmurad Gurbanov**
Development of the rice industry in Turkmenistan
- 88. Allamyrat Rozyyev, Nurgeldi Guvanjo**
Growing safflower
- 89. Hallygozel Myradova, Meretdurdy Gurbanyazov**
Scientific research on the production of feed and feed additives for agricultural animal breeding

- 90. Meretdurdy Gurbanyazov, Hallygozel Myradova**
Possibilities for application of improved method of biotechnology in agriculture
- 91. Guljemal Berdinazarova**
Influence of zeolite on the development of quails
- 92. Ashyrmuhammet Saparmyradov**
A new method for determining optimal elements of irrigation technology
- 93. Esenmyrat Orazgeldiev, Ashyrmuhammet Saparmyradov**
Определение оптимальной нормы оросительной воды на основе типа почвы

SECTION III

INFORMATION AND COMMUNICATION SYSTEMS, COMPUTER TECHNOLOGIES, NATURAL SCIENCES

Venue: **Institute of Telecommunications and Informatics of Turkmenistan**

Link for Online <https://us06web.zoom.us/j/86416953306?pwd=2wfhJuTWMypHSliRt5AITaVR3Hi4JF.1>

Participation Meeting ID: 864 1695 3306
Passcode: 331139

Heads of section: **Karapetyan Jon** (Armenia)

section: **Seyitnepesov Chary** (Turkmenistan)

Secretary: **Nyyazgulyyeva Ayna** (Turkmenistan)

1. **Yevgeniya Hakopyan** (Armenia)
Efficiency of using artificial intelligence in science
2. **Andrey Bogustov** (Belarus)
Artificial intelligence and intellectual property law: new challenges for national legislation
3. **Chunbo Huang, Yao Yao** (China)
GeoGPT: A Geo-Task Oriented Intelligent Agent Framework for smart city management
4. **Jon Karapetyan** (Armenia)
Automated system of seismogeodynamic monitoring in the territory of the Republic of Armenia
5. **Shogher Poghosyan** (Armenia)
Tendencies of labor market development in the conditions of implementation of artificial intelligence technologies
6. **Makhabat Sydykova, Burul Junushalieva** (Kyrgyzstan)
Application of artificial intelligence for data analysis
7. **Sergei Sorokin, Daniil Rodionov** (Uzbekistan)
Development of a cross-platform mobile application for displaying the schedule of diplomat university students
8. **Tao Kun** (China)
AI combined with fiber optic sensors enhances agricultural soil moisture monitoring in Turkmenistan
9. **Andrei Telyatitsky** (Belarus)
Digitalization of public administration: innovative mechanisms of business and government interaction
10. **Yuldosh Yakubov, Ahrorjon Abdullaev, Abror Ruzmetov** (Uzbekistan)
Characterization of a novel Cu(II)-based metal-organic framework: structure, stability, and proton conductivity

11. **Zhang Lixin** (China)
Photovoltaic sand control and efficient water-saving irrigation: innovative practice of ecological and energy coordinated development
12. **Ayrat Gatiatullin, Rinat Gilmullin** (Russia)
Computer processing of turkic languages
13. **Allaberdy Ashirov**
On the discrete part of the spectrum of elliptic operators
14. **Allaberdy Ashirov, Amangeldi Torayev**
On oscillating solutions of elliptic equations
15. **Jeren Ashyrmuhammedova**
Solution of the system of equations in the problem of gas filtration by transforming it into a matrix form
16. **Kuvvat Abrayev**
Architecture and construction features of LoRaWAN networks in large cities
17. **Shagozel Akmamedova**
Improvement of technology used in the railway system
18. **Gulshat Annanyazova**
Processing Big Data
19. **Aybolek Annayeva**
Advantages and disadvantages of using virtual reality in physics lessons
20. **Bayramgeldi Atajanov, Maksat Hydyrov**
Software for conducting exams in the bachelor's degree program
21. **Myahri Annameredova, Shohrat Atamanov**
Modern algorithms for object-oriented classification of multispectral data
22. **Sylap Atamuradov, Kadyr Myratlyyev**
Improved innovative geodesic points
23. **Azat Ataev**
Comparative analysis of telecommunication network modeling methods
24. **Muhammetnur Atayev**
Artificial intelligence technologies in the energy sector
25. **Merdan Atayev, Wepamyrat Babekov**
Methods of study of numerical functions
26. **Orazberdi Nurgeldiyev, Dunyagozel Baymyradova**
Conduct linguistic research on the turkmen language by writing a computer program
27. **Selbi Baymyradova**
Artificial intelligence systems
28. **Dunyagozel Charyyeva, Durli Agayeva**
Development of a program for creating personal work plans for teachers
29. **Ogulnar Chopanova, Isgender Ahmedov**
Construction of a model of a transportation problem in MATLAB/SIMULINK
30. **Jemshit Churiyev, Bazargeldi Sapargeldiyev**
The role of logic disciplines in the study of artificial intelligence
31. **Maksat Churiyev, Yenish Yazlyyev**
Creating an interactive laser pointer using STEM technology

32. **Maysa Geldimyradova, Ishanguly Rozyew**
Analysis architecture multiservice network communication
33. **Serdar Geldiyev, Guljemal Arrykova**
Development of a software module for summarizing the results of the cyberhackathon
34. **Maral Geldiyeva, Lalejan Novbatova**
Development of a software module for removing a viral complex called SYSTEM
35. **Aman Gurbangylychov, Tirkesh Atagarayev**
Development the innovative measuring technologies
36. **Leyla Gurbanmuradova, Guljeren Babayeva**
Student diary software for android system
37. **Annamurad Klychev, Isgender Tagangylyjov**
Optimized network architecture model for ensuring cybersecurity of a smart city
38. **Jeren Hanayeva, Kakageldi Hummeyer**
Way to digitalize the social security sphere
39. **Ezizguly Hodjamberdiev, Meryem Charyyeva**
Methodology of general criterias in system analysis
40. **Dursungozel Hodjamammedova**
Deep neural network of artificial intelligence
41. **Bazargeldi Hudaygulyev, Amanbibi Halmyradova**
On solutions to the heat equation
42. **Babageldi Ismailov, Gulshirin Agaeva**
Optimal method for determining the true size of a leg
43. **Orazgozel Jumayeva**
Comparison of frequencies of natural oscillations of the deck and string of the dutar
44. **Bibi Meredova**
Features of application of fiber-optic communication lines in telecommunication networks
45. **Dilber Mudarova, Bahargul Abdyeva**
Smart and artificial intelligence technologies: a comprehensive overview
46. **Maksat Myradov**
Invariance of phonemes in the selection of sentence recognition methods
47. **Gulshat Nazarova**
Features of deploying a GPON network in Ashgabat
48. **Orazberdi Nurgeldiyev, Leyla Gurbanmyradova**
“Perpetual calendar” program
49. **Gurbanbibi Orazbayeva**
STEM – a modern method of teaching
50. **Ene Orazberdiyeva**
Using MATLAB to solving electric power problems
51. **Gozel Ovezmyradova**
Artificial intelligence and the limits of its application

- 52. Jemal Rejepova**
Information security and libraries
- 53. Bahram Rustamov**
Mathematical model of gas displacement by edge water with limiting gradient
- 54. Aydogdy Saparmuradov**
Problem of controlling the absorption of liquid with a limiting gradient into a productive horizon (plane-radial case)
- 55. Maral Seyidova, Bagul Babayeva**
Digital technologies in the light industry
- 56. Isgender Tagangylyjov, Annamurad Klychev**
Developing a system for monitoring the information security of social networks
- 57. Kumush Udamyradowa, Bagtygul Charyyeva**
Composities of the digital model of the SYSTEM
- 58. Baymuhammet Ussayev, Chary Seitnepesov**
Features of the propagation of radio signals of cellular communication systems in deserts
- 59. Akmyrat Yazmyradov, Kerim Annamammedov**
The problem of developing and using a three-threaded resident simulator
- 60. Ilyas Imamgulyev, Mammet Annaev**
Approaches to digitization of the local information provision system

SECTION IV

CONTEMPORARY MEDICINE AND TECHNOLOGIES FOR MEDICAMENTS PRODUCTION

Venue: **Myrat Garryyev State Medical University of Turkmenistan**

Link for <https://us06web.zoom.us/j/3297452687?pwd=YldIESR0b4It1nIDPXPcsys7nCBXBb.1>
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Heads of **Aliyev Ramil** (Azerbaijan)

section: **Tachmuhammedowa Aybolek** (Turkmenistan)

Secretary: **Elyasov Mammetberdi** (Turkmenistan)

1. **D**
Relationship of neurohumoral indicators with left ventricle remodeling parameters in patients with chronic heart failure with renal dysfunction
2. **M**
Drug production technology of a new generation
3. **Ramil Aliyev** (Azerbaijan)
Late results of CABG outcomes in patients with postinfarctional ventricular septal rupture
4. **Nan Jiang** (China)
Metalloprotein research in the progression of alzheimer's disease
5. **Andrey Kivva, Mihail Chepurnoi** (Russia)
New method of retrosternal tunnel formation during esophagoplasty in children
6. **Pavel Musienko** (Russia)
Controlled neuroplasticity
7. **Bakhovaddin Sharipov** (Tajikistan)
Factors leading to the development of urolithiasis in high-altitude conditions (using the example of the Sughd region)
8. **Levon Yepiskoposyan, Zaruhi Khachatryan** (Armenia)
Genetic insights into the origins and evolution of familial Mediterranean fever
9. **Liliya Nadolnik, Tatyana Borodina, Elena Belonovskaya** (Belarus)
Pharmaceutical composition with hepatoprotective properties for correction of alcohol-associated disorders in chronic alcohol intoxication
10. **Kamran Musayev** (Azerbaijan)
Surgical treatment of thoracoabdominal aortic aneurysms: experience of the Central Clinic

- 11. Serdar Mammedov (Russia)**
Xenogenic materials with silver nanoparticles in the treatment of odontogenic sinusitis
- 12. Akmyrat Abdullayev, Rovshen Gurbanov**
Improving the prevention of thromboembolism in giant hernias of the postoperative abdomen
- 13. Allamyrat Akmyradov, Berdi Berdiev**
Technology for preparing a briquette from wormwood against airflow infections
- 14. Yakub Altayev**
Preventive measures of complications arising during surgical treatment of malignant neoplasms of the prostate gland
- 15. Rejep Alyev, Mammetberdi Elyasov**
Comparison of the early period of coronary artery bypass grafting
- 16. Shemshat Amandurdyeva, Vladimir Kurbanov**
Lipid profile status in women of reproductive age with systemic lupus erythematosus
- 17. Mive Amangulyeva, Sheker Berdiyeva**
Features of the microflora of the genital tract in pregnant women with the threat of premature birth
- 18. Sulgun Amanmammedova, Maral Tachmyradova**
Features of the respiratory system of adolescent athletes
- 19. Cheper Amanmuhammedova, Maya Tanrygulyyeva**
Features of the course of acute respiratory viral infections in children with type I diabetes mellitus
- 20. Seiddurdy Annaberdiyev**
Methods to improve the results of surgical treatment of unsafe tumours of the jaw
- 21. Ogulsheker Annagylyzhova**
Biocenosis of the genital tract in women with cervical pathology
- 22. Guljahan Annamammedova, Altyn Elyasova**
Thermo-regulation activities of a pregnant woman's body in hot climate conditions
- 23. Annamyrat Annamuhammedov, Yanyl Gujukbayeva**
Advanced methods of neoadjuvant therapy in the treatment of rhabdoid soft tissue sarcoma
- 24. Saparmurat Annamuhammedov, Mive Orazova**
Significance of distal protection system in stenting operation of the internal carotid artery
- 25. Esenmyrat Annamyradov, Amangeldi Kuliev**
Organizing measures aimed at preventing risk factors of non-infectious diseases on the workplaces
- 26. Ogulnur Annamyradova, Jemal Mashakova**
Capabilities of radiological methods of diagnostics of knee joint arthrosis

- 27. Gurbanmyrat Annamov, Orazgylych Orazgylyjov**
Characteristics of echocardiography results in athletes depending on the type of sport
- 28. Jennet Arnamuhammedova, Bahargul Muhieva**
Study of heavy metals in food products
- 29. Muhammetguly Atagaraev, Gulnara Saparmammedova**
Study of the pharmacological effect of the root of thin-leaved willow
- 30. Bibi Atayeva, Guncha Shirberdiyeva**
Features of the treatment of pulpitis of incompletely formed permanent teeth in children
- 31. Hatidja Atayeva, Allamurad Akmuradov**
Definition stocks of coniferous horsetail are bioeconomically significant plants in the Karayalchi gorge
- 32. Jeren Atayeva, Maya Bayramlyyeva**
Application of spectral analysis methods in studying plant composition
- 33. Hydyr Aynazarov, Dovrannazar Amannayev**
The relationship between dental caries and eating habits in adolescents
- 34. Baymurat Begmyradov, Esen Annamyradov**
Results of a meta-analysis of coffee beverages
- 35. Mive Berdimuradova, Allamurad Akmuradov**
Possibilities of using medicinal plants in breast cancer
- 36. Govher Berdiyeva, Alma Hemrayeva**
The clinical and laboratory aspects of hormonal imbalance with patients who have obesity and metabolic syndrome
- 37. Merjen Berdiyeva, Gurban Byashimov**
Features of the arterial system of the interventricular septum of the heart at people of the second period of mature age
- 38. Sheker Berdyeva, Altyn Orazgeldyeva**
Some aspects of pathogenesis of gestational hypertension and preeclampsia
- 39. Ayna Chopanova, Maya Gurbanova**
The prospect of development of artificial intelligence and telemedicine in 5G technology
- 40. Tachmyrat Durdyev, Allamurad Akmuradov**
Innovative way to obtain dry extract from medicinal plants of grain milk thistle
- 41. Maya Durdiyeva, Aysere Chariyeva**
Study of probability of heavy metals being present in vegetables
- 42. Gul Garriyeva**
Iron deficiency anemia in children
- 43. Aman Geldiyev, Enejan Gurbanova**
State of the local immunity in atypias of unclear genesis in the endocervix
- 44. Ogulnabat Geldiyeva**
Yeast fungi and mold in food products

- 45. Ogulmahri Geldiyeva, Muhammet Ergeshov**
The role of the popular science television program “Health of the nation – the wealth of the country” in raising public awareness of the work of the Gurbanguly Berdimuhamedov charitable foundation for assistance to children in need of guardianship
- 46. Agajan Gubaev, Allamyrat Akmyradov**
Determination of the amount of anthracene derivatives in st. john’s wort and technology for preparing dry extracts
- 47. Yanyl Guzukbaeva**
The significance of treatment of oncology patients with malignant breast neoplasms in outpatient
- 48. Rovshen Gurbangeldiyev**
Ways to improve surgical treatment of extrasphincteric pararectal fistulas
- 49. Aylar Gurbannepesova, Charyarguly Mammetgulyev**
Analysis of the density of training sessions of wrestlers in types of national wrestling
- 50. Rovshen Gurbanov, Akmyrat Abdullayev**
Etiological and topographical features of the development of the esophagus after a chemical burn
- 51. Gulnara Kurbanova**
Gender differences lacrimal drainage function of the eyes of Turkmenistan residents
- 52. Govher Gylychyazova**
Study of antileishmanial and antibacterial properties of rosin ferula genus
- 53. Hemra Hashyrov, Ayshirin Atalykova**
Features of public health protection in outpatient settings
- 54. Ayjemal Hemrayeva, Rejep Tajiev**
Results of medical support of training process of students of the sport institute and their connection with the coefficient of endurance
- 55. Taisiya Hmelevskaya, Zuleyha Muhammedova, Bibi Kulieva**
Comparative characterisation of the effect of medicinal plants on blood immune reactions
- 56. Yusup Ishanguliyev, Govher Gylychyazova**
Examining antimicrobial properties of peganum harmala and ferula gum
- 57. Babaguly Jumayev, Ogulsheker Mommyeva**
Detection, diagnosis and clinical features of multidrug-resistant tuberculosis
- 58. Dovlet Jumayev**
Complications arising in esophageal cancer
- 59. Hojamammet Jumayev, Ovadan Aramedova**
Effects of hot-dry climate conditions on gingival fluid in adolescent teeth
- 60. Mahri Jummiyeva, Babaguly Jumayev**
Effectiveness of shortened courses of chemotherapy in patients with drug-resistant pulmonary tuberculosis
- 61. Hoshgeldi Kadyrov, Guncha Babamyradova**
Analysis of the functional testing results in national wrestlers

- 62. Gulam Kerimov, Atamyrat Berdiyev**
Quality characteristics of essential oil from artemisia annua l.
- 63. Jeren Keshikova, Myratgeldi Ibragimov**
Effect of licorice root on the treatment of respiratory viruses
- 64. Jennet Mammedova, Merjen Myradova, Selbi Kadyrova**
Obstructive sleep apnea syndrome in combination with copd is associated with poorer outcomes
- 65. Jemile Mammetniyazova, Enejan Jumagulyeva**
Results of using physiotherapy in chronic bronchitis
- 66. Ayna Merdanova, Sulgunjemal Akmyradova**
The role of skin prick testing in the diagnosis of pollinosis
- 67. Aina Meredalieva**
Exploring the importance of the role of regular cytology in the detection of dangerous cervical malignancies
- 68. Bahargul Meredova**
Changes in post-stroke psychiatric disorders: frequency, structure and clinical features
- 69. Annamuhmet Molloyev, Akmyrat Abdullayev**
Diagnosis and treatment of strictures esophagus and stomach
- 70. Maysa Momiyeva, Bazar Khalmedov**
Effect of camelthorn extract on reparative regeneration of damaged gastric mucosa
- 71. Myrat Muhammedov, Chemen Divangulyyeva**
Importance of diagnostic methods in nasopharyngeal carcinoma (NPC)
- 72. Myrat Muhammedov, Meretguly Jumayev, Setdar Atayev**
Treatment of laryngopharyngeal cancer
- 73. Aylar Muhammetdurdyeva, Humay Nurmammedova**
Prevent complications in patients on long-term ventilatory use
- 74. Kerimberdi Muhammetgeldiev**
Features of stroke occurrence relating to weather conditions in our country
- 75. Bahargul Mukyyeva, Muhammet Ergeshov**
The importance of reducing trans fats in foods
- 76. Geldimurat Myradov**
Treatment of osteosarcoma
- 77. Lachin Muradova**
The importance of non-invasive prenatal testing in reducing birth defects
- 78. Rahat Nazarov, Atabay Tashliyev, Ogulmyahri Gylychnyyazova**
The impact of phototherapy on the quality of life of patients with psoriasis
- 79. Mehriban Nazarova**
Mineral composition and oxidizing properties of plants containing flavonoids growing in the Turkmenistan
- 80. Oguldurdy Nepesova, Selbi Kullyyeva**
Identification of types of meat products by polymerase chain reaction
- 81. Humay Nurmammedova, Rovshen Gurbanov**
Features of intensive treatment of patients with acute pancreatitis

82. **Orazgylych Orazgylyjov, Nurgozel Muhammedova**
Frequency of cardiovascular risk factors in patients with arterial hypertension
83. **Atabay Orazmuradov**
Results of surgical treatment of malignant neoplasms of the rectum
84. **Bahar Orazmyradova, Imamnazar Khudayliev**
Effect of using muscle relaxant drugs in children with motor disabilities
85. **Perhat Orazov**
Results of treatment of malignant tumors of the rectum
86. **Sona Ovezmuradova, Aygozel Akmuradova**
Importance of modern diagnostic methods in identifying children with bronchial asthma
87. **Guljemal Ovezmyradova, Muhabbet Azziyeva**
Analysis of the dynamics of referrals related to borderline psychiatric disorders in healthcare institutions of Ashgabat
88. **Durdy Penaev**
Treatment issues of malignant breast neoplasms
89. **Orazdurdy Rakhimov, Sherif Khadzhliev**
Assessment of the causes of secondary hydrocephaly in newborns
90. **Sulgunjemal Rahimova**
Monitoring of practical research on tobacco and tobacco products
91. **Polat Shagulyyev, Akmaya Jeyhunova**
Clinical and therapeutic features of trauma to root and permanent teeth in adolescents
92. **Dovran Saparalyyev, Orazjakhan Balliyeva**
Features of the composition of *artemisa annua* L., an important medicinal plant of the flora of Turkmenistan
93. **Shemshat Serdarova, Oguldursun Hojamberdiyeva**
Analysis of the effectiveness of various excimer laser operations performed with ametropia
94. **Shemshat Serdarova, Oguldursun Khojamberdieva**
Excimer laser treatment of lasik complications
95. **Aynabat Seyitmedova, Olga Atayeva**
Laboratory service overview
96. **Baharabat Seyradova**
Pregnancy with habitual foetal loss syndrome and endocrine diseases
97. **Guljemile Seytiyeva, Oguldurdy Nepesova**
The effect of genetically modified organisms on the human body
98. **Gulbahar Shikhmuradova, Aynabat Chapau**
Assessment of the quality of life of elderly patients with arterial hypertension and metabolic syndrome
99. **Jumadurdy Sopiyeu, Jeren Atayeva**
Millet - a natural source of microelements
100. **Shikhiev Annameret, Magtymgulyeva Merjen**
On the importance of diagnostic methods in the diagnosis of cancer

- 101. Aybolek Tachmuhammedova, Aman Geldiyev**
Assessment of the influence of flaxseed oil on the development of atherosclerotic process
- 102. Aybolek Thachmuhammedova**
Factors capable of causing epizootic diseases among rodents
- 103. Sahra Tekayeva, Ogultach Nedirova**
Risk factors for kidney failure in patients with diabetes
- 104. Sapardurdy Tilkiliyev, Ogulshirin Mommyyeva**
Physical and chemical features of orhis simia
- 105. Lachyn Yaranova, Olga Borodina**
Statistic evaluation of using two – phase nutritious medium for *S. pneumoniae*
- 106. Sona Gutlyyeva**
Prevention of complivations in patients with diabetes during ramadan

SECTION V

INNOVATIVE ECONOMY

Venue: Turkmen State Institute of Economics and Management

Link for <https://us06web.zoom.us/j/88663283219?pwd=TU5WSVpYK2ZaNjBFL2ZFc1g0a2JZQT09>
Online

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ion Code: 12062023

Heads of Sirotin Stanislav (Bulgaria)

section: Atayev Orazberdi (Turkmenistan)

Secretary Ballayev Yazmyrat (Turkmenistan)

1. **Stanislav Sirotin** (Bulgaria)
Establishment of a medical cluster focused on providing the national healthcare system of Turkmenistan with land mollusks extract products
2. **Natallia Artemyeva, Natallia Batura** (Belarus)
Main aspects of banking services for legal entities in the Republic of Belarus
3. **German Doronkevich** (Belarus)
Innovative foreign exchange market instruments in the context of the digitalization of the economy of the Republic of Belarus
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Scientific career accelerator as an effective mechanism for developing a portfolio career in the management community
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Review and theoretical aspect of the concept of "efficiency"
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Government procurement of innovations: customer survey results
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The role of innovations in the development of a green economy
9. **Natalia Riabinina, Sergii Verbytskyi, Nataliia Patsera** (Ukraine)
Innovative development of meat and dairy industry within the framework of the strategic model of the national economy of Ukraine
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Analysis of the efficiency of digital transformation costs: issues of methodology development
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The influence of anisotropic properties of layers of pavement on the strength of the road structure

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Paradigm shift in ensuring reliability of oil and gas infrastructure facilities as a basis for achieving technological sovereignty
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Fiscal instruments supporting the green energy transition in the Central Asian countries
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Modern trends in training of staff for economy industries
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Significance of import substitution policy in the textile industry
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The role of digital technologies in improving the public administration system
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Reconciliation of accounting data of fixed assets with reporting data in accounting
18. **Gulmet Penayev**
The impact of innovative growth on increasing the intellectual level of the nation
19. **Alym Annamuradov, Ogultach Soyunova**
Strategic goals of developing public-private partnership in Turkmenistan
20. **Jeren Hanayeva, Kakageldi Hummeyer**
Way to digitalize the social security sphere
21. **Shemshat Kerimberdiyeva**
Ways to expand private initiatives in the education system
22. **Bahar Annagurbanova**
The role of information technology in supply chain management
23. **Muhammetberdi Yazlyyev, Aknur Atayeva**
Topical issues of environmental safety
24. **Abdykerim Muhanov**
Science as the most important foundation of socio-economic development
25. **Gozel Akiniyazova**
Non-observed economy in Turkmenistan
26. **Orazmuhammet Ashyrov, Sylap Ashyrov**
“Green” economy is the driving force of a new direction for sustainable development
27. **Aylar Saparlyyeva**
Innovations in the oil and gas industry
28. **Aikamar Myalikgulyeva**
Modern development of theoretical basis of technical regulation
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Innovation activity in the scientific system
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Significance of methodological bases of taxation in improving the tax system
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The place of free economic zones in the national economy

- 32. Meylis Yazlakov**
The priority directions of the activities of the national logistics centre
- 33. Jennet Durdyeva**
Growth of the service sector in Turkmenistan
- 34. Hesel Yazhanova, Byasim Ivanov**
Principles of adoption intelligent technologies into economic systems
- 35. Maysa Muhammedova**
The importance of innovative technologies at the enterprise
- 36. Aknur Kochumova, Chemen Kakalyeva**
Importance of improving the digital insurance system
- 37. Gurbanberdi Eyeberdiyev**
The role of economic science in the development of the banking system
- 38. Dunyagozel Hayytova**
Digital banking system: important tasks, clear solutions
- 39. Davud Esenov**
Baseline of innovative methods of hr management in enterprises
- 40. Nuryagdy Aynazarov, Mahym Gulgeldiyeva**
Modern experience of the support system for small and medium enterprise in Turkmenistan
- 41. Resul Garadjaev**
Impact of marketing on the economic efficiency of the textile industry
- 42. Pirmuhammet Ekeyev, Perman Yanabayev**
Role of education system in regulating the labor market in Turkmenistan
- 43. Gurbanguly Shukurov, Sapargul Chopanova**
Some issues of modeling sustainable development of an economic sector
- 44. Babamyrat Taganov, Ayna Bekieva**
Role of human capital in supporting sustainable growth and diversification of the economy
- 45. Ogulsenem Muhammetdurdyeva, Jumageldi Amangeldiyev**
Innovative trends in the training of graphic designers at university
- 46. Muhammetguly Muhammedov**
Features of performance assessment green investments
- 47. Hanaly Amanov**
The impact of e-commerce on innovative solutions logistics services in the digital economy
- 48. Mulkaman Annageldiyev, Shohratmyrat Charyyev**
Importance of improving monetary circulation in Turkmenistan and its main directions
- 49. Aylar Hojanepesova**
Diversification of digital banking services
- 50. Muhammedaly Orazmyradov**
The role of implementing innovative digital methods in secondary vocational educational institutions

- 51. Orazmyrat Berdimyradov**
Determination of innovative transportation directions for oil and gas industry products
- 52. Shirin Akiniyazova, Gochmyrat Gokov**
The need for multimodal transportation system
- 53. Oguljan Atdaeva**
Development of quantum communication system in the digital economy
- 54. Annamuhammet Bagshiyev, Arslan Chariyev**
Problems of using artificial intelligence in controlling industrial manipulatory robots
- 55. Tachmuhammet Veliyev, Danatar Mowlamov**
Features of using correlation analysis in economics
- 56. Selbi Pirlieva**
Scientific aspect of providing the company's current assets with financial resources
- 57. Aygozel Arlanova**
Using data analytics to evaluate the effectiveness of advertising campaigns for agricultural products
- 58. Maksatmyrat Akmyradov, Annamuhammet Mommyev**
The place of innovation in the modern economy
- 59. Aynur Saryyeva, Govher Garahanova**
Opportunities for implementing innovative technologies in the banking system
- 60. Chynar Gadamova**
The role of foreign economic relations in the development of economy
- 61. Ayjemal Aklyyeva, Shirin Ovezberdiyeva**
The importance of innovative technologies in education
- 62. Aknabat Artykova**
Prospects for creating an eco-friendly labor market
- 63. Leyli Ashyrova**
Scientifically based state budget
- 64. Sapargozel Atajanova, Jeren Orazdurdyeva**
Use of innovative technologies in the educational process
- 65. Gulshirin Bashimova**
Main directions of development of Turkmenistan's international economic relations
- 66. Serdar Divanov, Annajahan Batyrova**
Banking and its history
- 67. Aytach Durdygyljova**
The importance of digital technologies in the oil and gas industry
- 68. Akmammet Akjayev**
Improvement of the transport company's accounting policy
- 69. Yazberdi Toylyyev**
Importance of modern methods of automation of production processes
- 70. Handurdy Handurdyev**
The importance of innovation in the building materials industry

- 71. Nobat Haytjanov, Hallyberdi Bayramov**
Main directions to improve the export capacity of Turkmenistan
- 72. Esen Hodjakuliyev**
The importance of our country's logistics capabilities
- 73. Selbi Hojakova**
The role of the financial market in ensuring the sustainable development of the national economy
- 74. Bibi Hojamgulyýeva, Arzuw Kadyrova**
Science, education, and production – a guarantee of economic development
- 75. Gozel Hojamova**
Digital economy is the main condition for sustainable development
- 76. Mahri Hojamammedova**
Digital development as the factor of steady growth
- 77. Guychmyrat Hydyrov**
The significance of science and innovative technologies in the digital economy
- 78. Altyn Khydyrova**
Solving economic problems using mathematical methods
- 79. Maysa Mamiyeva**
The significance of innovative economy in the market economy
- 80. Gulsenem Meredova**
The role and significance of banking services in ensuring sustainable economic development
- 81. Oguljemal Mollaeva, Gymmat Akyyeva**
Features of pricing strategy in international markets
- 82. Maral Movlamova, Annatach Gurbanova**
Significant directions of recreational resources and features of their development
- 83. Dovletmyrat Amannazarov**
The influence of industrial policy on economic development
- 84. Mahym Nazarova, Maral Pirliyeva**
Application of digital twins in oil and gas logistics
- 85. Abad Nurmuradova, Oguljahan Nurluyeva**
Innovative policy in entrepreneurial activity
- 86. Bagul Orazgeldiyeva**
Place of management accounting and information systems at the enterprise
- 87. Yarsahet Orazmammedov, Agabeg Charyyeva**
Ways to improve statistical indicators of labour potential
- 88. Maysa Charyyeva**
Modern methods of education in Turkmenistan: possibilities of the digital education system
- 89. Dagdan Ovezov**
The use of securities in the economic system as a financial instrument
- 90. Meretguly Owlyagulyyev, Guychmyrat Soltanmyradov**
History of the origin and main development directions of artificial intelligence

- 91. Mahriban Rasulova**
Current development of a waste-free economy in Turkmenistan
- 92. Aygozel Rejebova, Mahym Gocheva**
Studying the scientific basis of digital monitoring programs
- 93. Ogulmahri Rejepova**
Human capital and economic growth
- 94. Jennet Shamsiyeva**
Role of innovation in modern economy
- 95. Mahri Saparmyradova**
Development of the sharing economy
- 96. Jahan Shaveliyeva**
Information technology terms in turkmen and english languages
- 97. Dortguly Suleymanov**
Analysis and assessment of competitiveness of the motor transport enterprises
- 98. Kurban Shykhlyev**
Implementation of digital technologies of international payment systems in the banking system of Turkmenistan
- 99. Gulbahar Tachgulyeva, Aylar Orazberdiyeva**
Ways of improving financial reporting in Turkmenistan
- 100. Oguljahan Tachmuhammedova**
The role of nanotechnology in developing the innovative potential of our country
- 101. Shatlyk Guvalyyev, Palvan Hydyrov**
Stable economic development of Turkmenistan
- 102. Ylham Yarashov**
Advantages of members of the world trade organization
- 103. Shirin Ilyasova**
The importance of labour resources in agriculture
- 104. Aybolek Yusupova**
Dynamic development of the digital economy in our country
- 105. Huseyin Hajygurbanov**
Principles of using borrowed funds by banks to carry out active operations
- 106. Amangul Bayrammyradova**
The oretical foundation for providing economic security of the national banking system

SECTION VI

HUMANITIES

Venue: **Magtymguly Turkmen State University**

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Features of Sufi poetry and prose of Khoja Abdallah Ansari
3. **Tork Dalalyan** (Armenia)
Typological and mythological parallels between the turkmen epic “Gyorogly” and the caucasian epics
4. **Naila Askar** (Azerbaijan)
"Gerogly" unites us
5. **Qin Yi** (China)
The fundamental role of cultural policy plays in building a powerful modern Turkmen state
6. **Tatiana Telyatitskaya** (Belarus)
Humanization of administrative liability as a factor in the innovative development of the legal system
7. **Varsha Chanda** (India)
From humanities to medicament: Ibn Sina’s views
8. **Alena Yarmots** (Belarus)
Interdisciplinary research in law
9. **Oleg Dodonow** (Belarus)
Sports innovation as a new fundamental direction of sports development
10. **Andrei Panchenko** (Belarus)
Spirituality of modern society and the struggle of world ideological trends
11. **Nyamdoljin Adiya** (Mongolia)
Struggle against desertification in Mongolia

12. **Nisar Ahmad** (India)
Social & behaviour change for child centric disaster risk reduction
13. **Elbek Turgunaliyev, Ziyamukhamedova Umida** (Uzbekistan)
Investigation of the effect of dispersed fillers on mechanical properties in sulfur-containing polymer heterocomposites
14. **Bayramgul Orazdurdiyeva**
The role of innovations in the development of science and education systems
15. **Muhammetgeldi Agageldiyev**
Organizational issues of information support in operational investigative work
16. **Kumush Allabayeva**
Increasing the level of speaking skills in english with the help of digital technologies
17. **Jennet Allaberdiyeva, Bahar Mammedova**
Melon and technical crops in the economy of the turkmen of Garagoyunly and Akgoyunly
18. **Lale Allaberdiyeva**
The position of vizier in the political system of the Mamunid state
19. **Rasul Amangeldiyev, Gulnabat Atayeva**
National culture as one of the main tools for strengthening diplomatic relations
20. **Nagmatylla Amanlyyev, Jeyhun Janbekow**
About the beliefs of the Parthians book of the Arkadag Hero "Hakyda göwheri"
21. **Dunyagozel Annamuhamedova**
Innovative methods of teaching legal disciplines
22. **Kakabay Amanmyradov**
Images of historical figures in the novel "Keymir kor"
23. **Oguljeren Amanova**
Invisible parts of the language
24. **Byagul Annabayeva**
Some features of data presentation
25. **Maral Annagulyyeva**
Scientific research methods of ethnopedagogy
26. **Shemshat Annamammedova**
Ways of precise public speaking
27. **Gulalek Annanepesova**
Magtymguly and bakhshi music
28. **Ogulshirin Annanepesova**
"Söýgi" that won the love of literary criticism
29. **Mati Annanurov, Merjen Taganova**
Agriculture role in maintenance food abundance in Turkmenistan
30. **Gulalek Annayeva, Merjen Taganova**
Agriculture among the turkmen and the customs associated with it
31. **Sona Annayeva**
Compliance of assimilation identified in stage speech with respect to the norms of literary language pronunciation

32. **Bayramsahet Ashyrov**
Features of document management training (for students of universities with legal profile)
33. **Aksoltan Ashyrova**
The expression of idioms related to color in turkmen, english and russian languages
34. **Gulzar Ashirova**
Environmental management systems and waste-free production
35. **Ogulsheker Atabalova**
Mahmyt Gaznaly – patron of science
36. **Atahanova Nazira**
Modern requirements for teaching linguistic disciplines at pedagogical universities
37. **Jemal Atajanova**
Teaching foreign languages with modern technology: enhancing learning outcomes
38. **Maya Atajanova**
Philosophical lines about “Human life” in the creativity of Magtymguly Fragi and William Shakespeare
39. **Nargul Atashova, Gulayym Gylyjova**
Decorative art in the architecture of the Seljuk era
40. **Kakajan Atayev, Selbi Atayeva**
Psychology specifical of interpersonal perceptions in eucation process
41. **Murad Atayev**
Early compositions of russian writers of Turkmenistan
42. **Gurbangul Atayeva**
Learning world languages is a crucial demand of our time
43. **Jennet Ataeva**
Role of UNICEF in Turkmenistan's foreign relations
44. **Mahri Atayeva, Merdan Nepesov**
Reflection of national art in books of our Scientist Arkadag
45. **Maral Atayeva**
The path of the ancestors - a model from the past to the future
46. **Jahan Babayeva**
Modern problems of education and training of interpreters
47. **Akmyrat Babayev**
Settlement of the parnas in the mountain strip of Southern Turkmenistan
48. **Aygozel Babayeva**
Teaching english using innovative technologies
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Methods of expressing phraseological units of the turkmen language in english through the works of Hero Arkadag
50. **Annagul Babayeva**
Ancient tradition inherited from our ancestors

- 51. Mayagozel Babayeva, Guncha Melikova**
Literary heritage of Magtymguly
- 52. Serdar Badayev**
Sports diplomacy: an effective tool for achieving the sustainable development goals
- 53. Jeren Badyrova**
Methodology of teaching foreign languages in technical higher education institutions
- 54. Nabat Bagyyeva**
Comparison of phraseological units of russian and turkmen languages: analysis and search for equivalents
- 55. Durli Ballyeva**
International standards guaranteing human rights and freedoms in Turkmenistan
- 56. Sheker Balyshova**
Improving the legal framework for gender equality strengthens the principles of equality, sustainable development and peace
- 57. Meylis Bashimov**
On the marine environment of vessels operating in the caspian sea limiting personal liability for damages caused
- 58. Nurgozel Bashimowa**
Ceramics of the Great Seljuk era
- 59. Ogulsona Bashimova, Ogulbayram Gurbanova**
Human rights in the Constitution of Turkmenistan
- 60. Selbi Batyrova**
Methods of translating national-cultural techniques words of turkmen language into english
- 61. Dunyagozel Bayjanova**
Stylistic use of synonyms in the poetry of Kerim Kurbannepesov
- 62. Ayna Baymuradova**
Ancient art uniting the turkic peoples of Central Asia
- 63. Aylar Bayramova, Ayna Mammedova**
Stylistic function of accusative case affixes in Magtymguly's works
- 64. Chemen Bayriveva**
Contrastive analysis of the link verbs in turkmen and english
- 65. Yslam Begenchев, Rejepguly Rejepov**
Role of the policy of Neutrality in maintaining sustainable economic development
- 66. Mahrijemal Bekjayeva, Oraznabat Saparmammedova**
Importance of innovative technologies in the study of national history
- 67. Bahar Bekmyradova**
Vocabulary – semantic analysis of the denomination of the parts of the human body
- 68. Maya Beknazarova**
Leather tableware for dairy products in the turkmen household

- 69. Ayna Berdiyeva, Yazgul Akyyeva**
The importance of tandem method in the study of business environment
- 70. Maya Nurliyeva, Aybolek Berdyeva**
Neutrality as one of the basic principles of Turkmenistan's foreign policy
- 71. Ogulbibi Berdiyeva**
Teaching children and youth a foreign language is the key to a happy future
- 72. Kakajan Charyyarov**
Principles of guidance for profession of the young generation in turkmen folk pedagogy
- 73. Yazgeldi Charyyev**
Garaman-Mamluk relations during the reign of Alaeddin Ali-Bek Garamanoglu
- 74. Annagozel Charyyeva**
Outline of the doctrine peace-loving Magtymguly Pyragy and Hero – Arkadag
- 75. Altyn Charyyeva**
Poetic heritage of Magtymguly
- 76. Gulshirin Chariyeva**
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- 77. Hurma Chommadova**
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- 78. Allayar Churiyev**
Contribution of N.P. Ostroumov to the popularization of Magtymguly's work
- 79. Shohrat Divankuliyev**
Current methods of teaching russian language for specific purposes
- 80. Bike Divangulyyeva**
Orientalist V.M.Zhirmunskiy and his contribution to turkmen ethnography
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Development of education system in Turkmenistan
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Scientific study of medieval parks
- 83. Oguljennet Durdymammedova, Yazgul Annamyradova**
Influence of technology on the study of the english language
- 84. Guychmyrat Durdymyradov, Aysoltan Gurbanbayeva**
Development of creative speaking abilities in students in the english language
- 85. Hezretguly Durdyev**
From the history of the formation of language norms
- 86. Altyn Durdyeva**
Role of digital technologies in linguistics
- 87. Shemshat Durdyeva, Maksat Myradov**
Science is the power of the state
- 88. Orazpolat Ekayev**
Formation of the Turkmen state of the Great Seljukids
- 89. Gyzylgul Ekeyeva**
Enhancing english language instruction for nanomaterials and chemical engineering students

90. **Kakageldi Esenmyradov**
Role of Turkmenistan's policy of Neutrality in consolidating peace, stability and progress in the world
91. **Jennet Ezimova**
Displaying the ecological culture of the turkmen in the work of the Hero-Arkadag "Continuation of the meaning of my life"
92. **Bayram Garahanov**
Idiomatic characteristics of complex verbs in the works of Magtymguly Pyragy
93. **Saparmyrat Garataev**
Philosophical meaning of the poem "Revelation" by Magtymguly Pyragy
94. **Guljan Garatayeva, Ejegul Bashimova**
The importance of the tandem method in teaching a foreign language
95. **Atamyrat Garayev**
Scientific and philosophical aspects of unveiling the poet's spiritual world in Serdar Berdimuhamedov's work "Magtymguly – the sage of the world"
96. **Shirmyrat Garayev**
Features of ecological tourism and their place in organizational and legal activities
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Cultural heritage sites of Turkmenistan on the UNESCO list and their international legal protection
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Symbolism in the poems of Gozel Shagulyeva
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Peculiarities of translation of juridical texts
100. **Jennet Geldibayeva**
Scientific research methods of innovative technologies in the physical training of young judo wrestlers
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The literary value of the novel by Hero Arkadag "A good name is imperishable"
102. **Rejepmuhammet Geldiyev**
The value of the Lugat-etrakiye dictionary
103. **Bahar Geldiyeva**
Ways to improve and expand your vocabulary
104. **Gultach Geldiyeva**
Family and family values
105. **Ogulgurban Geldiyeva**
General principles of teaching reading in english
106. **Mahriban Gelenova**
The growth of Turkmen-Chinese cultural relations
107. **Tylla Germanova, Jennet Begieva**
Seyit Jemaleddin architectural complex is a fine example of medieval architecture

- 108. Begench Gochov**
Increasing students' creative skills in the practice of pedagogical methods
- 109. Ogulnabat Gochova**
Prosodic function of the word in the turkmen language
- 110. Gulshat Gulgeldiyeva**
The implementation of innovative methods in teaching german at higher education institutions
- 111. Gulja Guljaýev, Gurbangul Myradova**
Written rule of terms related to the digital system in turkmen language
- 112. Ahmet Gulov**
Residential and property lands of the 18th –19th centuries near Abyverd fortress
- 113. Guljemal Gummanova**
The folk dastan “Alpamysh” and the traditions of genre
- 114.**
The significance of Begmammed bakhshi's oeuvre in the development of the art of the Anau performing school
- 115. Merjen Gurbanazarova**
The lexical-semantic classification of phraseological units in Turkmen and Chinese
- 116. Nurnabat Gurbangulyyeva**
The issue of peace in the work of poet Gara Seyitliýev
- 117. Govher Gurbanmammedova**
Teaching english language through the modern classroom model
- 118. Merjen Gurbannazarova**
Turkmenistan-UNICEF: legal basis for international cooperation
- 119. Ali Kurbanov, Fatima Nurgeldiyeva**
The role of individual work in teaching foreign languages
- 120. Amangeldi Gurbanov, Akmuhammet Temirov**
Organizational and legal measures of information security
- 121. Altyn Gurbanova**
The importance of idioms in learning a foreign language
- 122. Nurjemal Gurbanova**
Development of implementation of digital systems into customs in Turkmenistan
- 123. Ogulbayram Gurbanova, Ogulsona Bashimova**
Carpet weaving is an ancient art of the turkmen people
- 124. Ayna Gurbansahedova**
Parthian state and its monetary circulation
- 125. Suleyman Gurbanyazov**
Legal basis for innovative development and digitalization in Turkmenistan
- 126. Gulayim Gurdova**
Semantic peculiarities of words of english language "jungle" and turkmen "jeňňel"

- 127. Lachyn Gurdova**
Language culture of the japanese people: 潔い (isagiyoi) - a symbol of courage
- 128. Ata Gylyjov**
Antonyms in proper nouns of the turkmen language
- 129. Azat Gylyjov, Gurbanberdi Gurbangeldiyev**
Essential issues in improving the vocabulary of foreign language learners
- 130. Govhertach Gylyjova**
Computer technologies in english lessons as a means of implementing a meta-subject approach
- 131. Halymberdi Hajyýew**
Lexico-semantic interference in russian speech of turkmen on the example of perception of nouns
- 132. Jennet Hallyyeva**
The role of translation in literary relations
- 133. Mahri Halmuhammedova**
Customs and traditions in national heritage of turkmen people associated with wells
- 134. Gulalek Hangeldiyeva**
Explanation of the name of the caspian sea in sources
- 135. Gulshirin Hanova**
The most reliable investments in the future are the proper upbringing of generations
- 136. Jennet Hanova**
Distinctive featur of training enhancement of table tennis players
- 137. Tazegul Hapyzova, Humay Durdyyeva**
The doctorine of peace and artistic harmony of our Hero-Arkadag
- 138. Movlamguly Hezretov**
Legal education as a direction of the educational process
- 139. Murad Hojakulyev**
The period of the Great Seljuks in the book of the Hero-Arkadag “Hakyda göwheri” (Dandanakan)
- 140. Kerim Hojagulyyev**
Ahaltekin horses with eyes of russian travelers
- 141. Sapargul Ashirova**
Mentoring school in our literary heritage

SECTION VII

NATIONAL HERITAGE AND HISTORICAL ROOTS ARE THE BASIS OF NEUTRAL POLICY OF TURKMENISTAN

Venue: **Magtymguly Institute of Language, Literature and National Manuscripts**

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The evolutionary development of nature and the earliest material culture in the zone of the Turanian platform and the Tien Shan orogen
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Synthesis and structure of new supramolecular complexes based on bis ((pyridine-1-yl-4-yl) metanaminium)
3. **Ogulbay Gaylyyeva** (Uzbekistan)
About the translations of the great wordmaster – Magtymguly Pyragy into the karakalpak language
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New challenges and public health in the Kyrgyz Republic
5. **Turganbay Keruenov, Sayat Dzhepbayrova** (Uzbekistan)
Reflection of turkmen themes and questions of literary influence in the poetry of the karakalpak poet Y. Yusupov
6. **Alina Khusainova** (Russia)
The specifics of the interdental consonant in Tatar dialects: a comparative perspective
7. **Nodira Mustafaeva** (Uzbekistan)
The role of academic women in the development of Uzbek science
8. **Yernur Rakhimov** (Kazakhstan)
Jewellery of the turkmen people in the national museum of the Republic of Kazakhstan
9. **Olyesya Razdorskaya, Nickolai Ryzhkov** (Russia)
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10. **Umida Shaozimova, Jasurbek Nafasov** (Uzbekistan)
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