

## PERSONAL INFORMATION

NURKENOVA AINUR TULEUTAYEVNA



📍 Kazakhstan, Karaganda, st. Universitetskaya, 28/2, Karaganda Buketov

📞 University 🏢

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| Date of birth: ...07/11/1979

### PLACE OF WORK, POSITION

Karaganda University named after academician E. A. Buketov, Associate Professor of the Department of Botany

### SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Candidate of Biological Sciences

## WORK EXPERIENCE

### Place and date

- **2002-2004** – agronomist of the 2nd category of JSC "NPH "Phytochemistry";  
- **2004-2006** – Lecturer of the Botany Department of the Academician E.A. Buketov KarSU;  
- **2008 -2010** – Senior lecturer of the Department of Botany of the KarSU named after Academician E.A. Buketov;  
- **2010** to the present – Candidate of Biological Sciences, Associate Professor of the Department of Botany of the KarU named after Academician E.A. Buketov;  
- **2013-2016** Deputy Dean for Scientific Work of BGF  
**2023 Head of the Botany Department**

## EDUCATION AND PROFESSIONAL TRAINING

### Education

- **1998-2002** – Karaganda State University named after E.A. Buketov, Faculty of Biology and Geography, specialty biology, qualification – biologist, biology teacher  
- **2002 - 2004** – Karaganda State University named after E.A. Buketov, Faculty of Biology and Geography, specialty Biology, qualification – Master of Biology (with honors)  
- **2006-2008** - full-time postgraduate studies in the specialty 03.00.13 -Physiology Karaganda State University named after E.A. Buketov  
- **2009-2011** – Karaganda State University named after E.A. Buketov, Faculty of Law, specialty jurisprudence, qualification – Bachelor of Law  
IPK course "Plant Physiology" on the basis of Al-Farabi Kazakh National University, **December 2005**  
FPC course "Plant Physiology" (72 hours) on the basis of Al-Farabi Kazakh National University, **November 2020**

### Professional trainings, Scientific trips

– Internship at the Institute of Plant Biology and Biotechnology (Almaty) on the topic "Microclonal reproduction technique and cryopreservation" (66 hours), **November 2020**

## SKILLS DEVELOPMENT INFORMATION

- 1. Certificate of completion of the training course on the topic "Molecular genetic basis of carcinogenesis" on the basis of Academician E.A. Buketov karsu, September 2015
- 2. Certificate of completion of the training course "Intensive training of teachers of

- chemistry and computer science of universities in English" (proficiency level A2) on the basis of Academician E.A. Buketov karsu, November 2016
- 3. Certificate of completion of the FPC course on the topic "Integrated course: Modern aspects of biological research (botany, zoology, physiology and biotechnology)" on the basis of Academician E.A. Buketov karsu, March 2017
  - 4. Certificate of completion of the FPC course on the topic "Integrated course: Modern aspects of biological research (botany, zoology, physiology and biotechnology)" on the basis of Academician E.A. Buketov karsu, March 2017
  - 5. Certificate of completion of the FPC course on the topic "Methods of teaching chemical and biological disciplines in English" (36 hours) on the basis of Academician E.A. Buketov karsu, January 2019
  - 6. Advanced training courses of the Bolashak Academy "Modern aspects of the implementation of the educational process in biology" (72 hours), November 2019.
  - 7. Certificate of completion of the FPC course on the topic "Preparation of a university teacher for training using distance learning technologies" (36 hours) on the basis of Academician E.A. Buketov karsu, January 2020
  - 8. Certificate of completion of the FPC course on the topic "Basic approaches to updating the content of secondary education" (72 hours) on the basis of Academician E.A. Buketov karsu, January 2020
  - 9. FPC course "Plant Physiology" (72 hours) on the basis of Al-Farabi Kazakh National University, November 2020
  - 10. Internship at the Institute of Plant Biology and Biotechnology (Almaty) on the topic "Microclonal reproduction technique and cryopreservation" (66 hours), November 2020
  - 11. Advanced training courses of the Bolashak Academy "Botany" (72 hours), February 2021.
  - 12. Online course "Digital technologies in the study of biological diversity", (72 hours), October 2022, Moscow, Russia
  - 13. Online course "Ecology of nanomaterials", (72 hours), 2022, Tomsk, Russia
  - 14. FPC course Scientific methods and new results of mushroom research. Comparison of different types of gasteromycetes in Hungary and Kazakhstan", (72 hours), 2023. Almaty, Kazakhstan
  - 15. FPC course "Methods of digitization of flora and fauna data and placement on international platforms of biological diversity", (36 hours), 2023. Karaganda, Kazakhstan
  - 16. FPC course "Methods of microbiological research" (36 hours), 2023. Karaganda, Kazakhstan

## PERSONNEL QUALITIES

**Native language** Kazakh

LANGUAGE	UNDERSTANDING		SPEAKING		WRITING
	Hearing	Reading	Oral speech		
Russian	C1	C1	C1	C1	B2
<b>LANGUAGE CERTIFICATE: no</b>					
English	A2	A2	A2	A2	A2

**Digital skills** User: Microsoft Office (Word, Excel, Power Point), image editor Adobe Photoshop

**Other skills (hobbies)** Reading, self-development, travel

## ADDITIONAL INFORMATION

1. Konkabaeva A.E., Ishmuratova M.Yu., Tleukenova C.Y., Influences of Salts of Copper on Growth and Development of some Monocotyledonous and Dicotyledonous Plants in Laboratorial Conditions. Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2016. Vol. 7. Issue 5. - P. 463-471.
2. Dodonova A.Sh., Gavrilkova E.A., Ishmuratova M.Yu., Tleukenova S.U., Pogossyan G.P. Analysis of the Effects of Cryopreservation Conditions on Germination Ability of *Tanacetum Ulutavicum* Seeds. Research Journal of Pharmaceutical, Biological and Chemical Sciences. – 2016. – Vol. 7, Iss. 6.- P. 698-703.
3. Ishmuratova M.Yu., Dodonova A.Sh., Gavrilkova H.A., Auelbekova A.K. Evaluation of Specific Diversity of Endemic Plants of Karagandy Region's Flora . Biosciences Biotechnology Research Asia. – 2016. - Vol. 13. issue 4. - P. 2065-2070.
4. Ishmuratova M.Yu., Tleukenova S.U., Dodonova A.Sh., Gavrilova E.A. Endemic plant species of the flora of the Karaganda region (Central Kazakhstan). Karaganda: Publishing house of Polygraphist LLP, 2016, 109 p
5. Ishmuratova M.Yu., Tleukenova S.U., Gavrilova E.A., Dodonova A.Sh. Determinant of vascular plants of Central Kazakhstan. – Karaganda: Polygraphist, 2016, 302 p.
6. Dodonova A.Sh., Ishmuratova M.Yu., Tleukenova S.U., Gavrilova E.A. Recommendations for cryopreservation of seed material of medicinal and endemic plant species. Karaganda, 2017. – 76 p.
7. Ishmuratova M.Yu., Tleukenova S.U., Atikeyeva S.N., Auelbekova A.K., Zhuzbayeva G.O., Zhumagaliyeva Zh.Zh. Cryopreservation of *Calendula officinalis* seeds // EurAsian Journal of BioSciences, 2020, Vol. 14, Iss. 1, P. 501-505.
8. Russian Russian-Kazakh, Russian-Kazakh-English, Kazakh-English-Russian Dictionary of terms in botany (textbook). Ishmuratova M.Yu., Sugiralina A.T., Tleukenova S.U. - Karaganda: Publishing house of "Polygraphist" LLP, 2020, 223 p.
9. Tleukenova S., Ramazanov A., Ishmuratova M., Mussina R. , Atikeeva S., Nurkenova A., Zhumadilov S., Shapatova G. Germination of Chamomile (*Matricaria recutita*) seeds during cryopreservation using PVS2 cryoprotectant. Research on Crops. - 2022. - № 23 (2). – P. 466-472.

#### Main publications

The number of published scientific and educational works is 180, including:

-in journals based on Scopus – 6.

-in journals based on Clarivate Analytics Web of Science -2 -in publications recommended by COXON – 30. -in publications published in the RSCI database -30 -monographs (co-authored) – 3.

-educational and teaching aids (co-authored) – 3.

The Hirsch index based on Scopus is 1.

The Hirsch index based on Clarivate Analytics is 1.

### Participation in the implementation of scientific projects

1 Grant of the KN of the Ministry of Education and Science of the Republic of Kazakhstan "Study of biological characteristics of medicinal plant seeds and development of recommendations for their collection, storage, increase of germination and optimization of terms and conditions of sowing in the conditions of the dry-steppe zone of Central Kazakhstan", 2012-2014. The position is the head.

2 Grant of the KN MES RK "Creation of new moisture sorbents based on unsaturated polyester resin copolymers to improve the germination and productivity of some crops" 2013-2015. The position is the performer.

3 Grant of the KN of the Ministry of Education and Science of the Republic of Kazakhstan "Study of the current state of populations of endemic plants of Northern and Central Kazakhstan and development of methods for preserving genetic material", 2015-2017. The position is the head.

4 Grant of the KN MES RK "Assessment of accumulation of heavy metals in soil, water, plants and animals of Central Kazakhstan and identification of toxicity of plant food pollutants with short-term and long-term exposure to experimental animals", 2015 The position is the performer.

5 Internal grant of the E.A. Buketov Karaganda University No. 218-B-19 "Cryopreservation of plant and animal biological material for the development of an algorithm for maintaining viability and creating a bank of frozen samples", 2019-2020. The position is the performer.

6 Grant of the KN MES RK "Cryopreservation of seed material of wild and cultivated medicinal plants and organization of a bank for short-term and long-term storage", 2021-2023. The position is the performer.

7 Internal grant of the E.A. Buketov Karaganda University No. 02-VG-22 "Development of justification and methodology for assessing the condition and accident rate of green spaces of the city of Karaganda and satellite cities", 2022-2023. Position – head.

Household.NTP agreement BR 18574125 "Study of the current state of species diversity of vascular plants of Kazakhstan using modern methods of botany, molecular genetics and bioinformatics" 2023-2025. The position is the performer.

### Membership in professional scientific organizations

Executive Secretary of the journal "Bulletin of Karaganda University, Biology, Medicine, Geography series"

### Awards and titles

- Nominee of the State Scholarship for talented young scientists (2013).
- Certificate of Honor of Akim of Karaganda region (2023)

### Courses

1. Plant Physiology
2. Cryobiology
3. Biometrics
4. Rational use of personal resources
5. Evolutionary and Experimental Botany

### Professional and scientific interests

- botany, physiology rasteniy
- introduction of medical examinations, semenovodstvo
- cryobiology
- biotechnology rasteniy

### SCIENTIFIC DATABASES IDENTIFIERS

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**Researcher ID:** AAF-5943-2020  
**ORCID ID:** 0000-0002-4714-0110  
**Author ID Scopus:** 57191167370