

## PERSONAL INFORMATION

## AKHMADIYEV BEKTURSYN AITZHANOVICH



📍 28 Universitetskaya Str., Y.A. Buketov Karaganda University, Karaganda, Kazakhstan



✉ Akhmediyev\_bektursyn@mail.ru



| Date of birth: 24/04/1964

### PLACE OF WORK, POSITION

Y.A. Buketov Karaganda University, Senior Teacher at the Department of Engineering Thermophysics named after professor Zh.S. Akylbaev

### ACADEMIC DEGREE, ACADEMIC TITLE

Master of Science

### WORK EXPERIENCE

#### Place and date

- 1981-1982 – Shepherd's assistant and machine yard mechanic, Abay union, Yegindybulak district of Karaganda region
- 1982-1984 - service in the Armed Forces of the Soviet Army
- 1990-1991 - Engineer at the Department of General Physics, Y.A. Buketov Karaganda State University
- 1991-1992 - Engineer of the 1st category, NPVMGP "Hydrodynamics"
- 1992-1995 - Underground miner, Stakhanovskaya mine
- 1995-1996 - Engineer of the 1st category, NPVMGP "Hydrodynamics"
- 1996-2010 - Head of the car service of Karaganda region, The Internal Affairs Department
- 2010-2012 - Deputy for educational work, School lyceum No.101.
- 2012-2013 - Teacher at the Department of Engineering Thermophysics named after professor Zh.S. Akylbaev, Y.A. Buketov Karaganda State University
- 2015-2019 - Senior Teacher at the Department of Engineering Thermophysics named after professor Zh.S. Akylbaev, Y.A. Buketov Karaganda State University

### EDUCATION AND INTERNSHIPS

#### Education

- 1984-1985 - Y.A. Buketov Karaganda State University, student of the preparatory department
- 1985-1990 - Y.A. Buketov Karaganda State University, Faculty of Physics, Department of Theoretical Physics, specialty - Physics, qualification - Teacher.

- 2013 – 2015 - Y.A. Buketov Karaganda State University, Faculty of Physics and Technology, Department of Engineering Thermophysics named after professor Zh.S. Akylbaev, specialty - 6M060400 Physics, qualification - Master of Sciences.

- 2016 - to the present - postgraduate of I. Razzakov Kyrgyz State Technical University, specialty - 01.04.14 - Thermal physics and theoretical heat engineering

#### Internships, scientific trips

– 08<sup>th</sup> - 22<sup>nd</sup> June 2014 - internship at Adam Mickiewicz University (Poznan, Poland).

#### FUTHER TRAINING INFORMATION

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– Certificate No. 013013 on the completion of training on the topic “Development of applied didactic materials and teaching methods in conditions of credit and distance learning technologies” (date of completion and issuance of the certificate - 01/19/2013. Y.A. Buketov Karaganda State University, Karaganda, Kazakhstan);

– Certificate of completion of internship in NanoBioMedical Center of Adam Mickiewicz University in Poznan. 4<sup>th</sup> Summer Symposium on Nanomaterials and their Application to Biology and Medicine Held from 15<sup>th</sup> till 18<sup>th</sup> June in Poznan, Poland (date of completion and issuance of the certificate - 18.06.2014 Adam Mickiewicz University in Poznan, Poland);

– Certificate of completion of internship in NanoBioMedical Center of Adam Mickiewicz University in Poznan. 4<sup>th</sup> Summer Symposium on Nanomaterials and their Application to Biology and Medicine Held from 08<sup>th</sup> till 22<sup>th</sup> June in Poznan, Poland (date of completion and issuance of the certificate - 22.06.2014 Adam Mickiewicz University in Poznan, Poland);

– Certificate of completion of training on the topic “Energy for our future GREEN ENERGY” Lecturer: Mitko Stoev (date of completion and issuance of the certificate - 15.12.2014 Y.A. Buketov Karaganda State University, Karaganda, Kazakhstan);

– Certificate of completion of training on the topic “School of lecturing skills” (date of completion and issuance of the certificate - 27.05.2016 Y.A. Buketov Karaganda State University, Karaganda, Kazakhstan);

– Certificate of completion of training on the topic “Modeling of educational programs at the university “ (date of completion and issuance of the certificate - 09.11.2016 Y.A. Buketov Karaganda State University, Karaganda, Kazakhstan);

– Certificate of completion of training on the topic: “Improving the quality of applications for innovative grants” (date of completion and issuance of the certificate - 10.11.2017 JSC National agency for Technological Development, Karaganda, Kazakhstan);

– Certificate No. 613017 of completion of training on the topic “Improving the teaching of disciplines in the direction of technical science and technology” (date of completion and issuance of the certificate - 10.06.2017. Y.A. Buketov Karaganda State University, Karaganda, Kazakhstan);

– Certificate No.1056018 of completion of training on the topic “ Intensive

- English course” date of completion and issuance of the certificate - 10.06.2018. Y.A. Buketov Karaganda State University, Karaganda, Kazakhstan);
- Certificate No.124 of completion of training (retraining) in the field of civil protection (date of completion and issuance of the certificate - 18.05.2018. Department of Emergency Situations of Karaganda region, Karaganda, Kazakhstan);
  - Certificate of completion of training on the topic «Energy-efficient and resource-saving technologies in industry by specialty 5B071700-Heat and Power Engineering» (date of completion and issuance of the certificate - 27.09.2018. Y.A. Buketov Karaganda State University, Karaganda, Kazakhstan);
  - Certificate No.330 of completion of training on the topic “Technology Commercialization Basics” (date of completion and issuance of the certificate - 22.05.2018. PU “Alliance Of Technology Commercialization Professionals”, Karaganda, Kazakhstan);
  - Certificate of completion of training on the topic “Automation of technological processes in heat power engineering” (date of completion and issuance of the certificate - 22.12.2018. Y.A. Buketov Karaganda State University, Karaganda, Kazakhstan);
  - Certificate of completion of training on the topic “The process of attracting beginner and current entrepreneurs and startup owners to Hard day innovative projects” (date of completion and issuance of the certificate - 18.02.2019. Y.A.Buketov Karaganda State University, Karaganda, Kazakhstan);
  - Certificate No. 472019 of completion of training on the topic “Preparing a university teacher for training using distance learning technologies” (date of completion and issuance of the certificate - 14.09.2019. Y.A. Buketov Karaganda State University, Karaganda, Kazakhstan);
  - Certificate of completion of training on the topic “Methods for producing low-emission liquid fuel for thermal energy generation” (date of completion and issuance of the certificate - 17.10.2019. Y.A. Buketov Karaganda State University, Karaganda, Kazakhstan);
  - Certificate No. 053020 of completion of training on the topic “Administrative management. Education management” (date of completion and issuance of the certificate - 18.01.2020. Y.A. Buketov Karaganda State University, Karaganda, Kazakhstan);

**PERSONAL SKILLS**

**Knowledge of languages  
Mother tongue**

Kazakh

**Other language(s)**

UNDERSTANDING		SPEAKING		WRITING
LISTENING	READING	Spoken interaction	Spoken production	

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**Computer skills**

MICROSOFT OFFICE (WORD, EXCEL, POWER POINT)

**Other skills (hobby)**

reading, traveling, swimming, dancing.

**ADDITIONAL  
INFORMATION**

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## Main publications

1. B.A.Akhmadiyev, N.N.Shuyushbaeva, K. Kussaiynov, B.R. Nusupbekov. Mikrostrukturnyi analiz polozhitelnogo elektroda elektrogidravlicheskogo bura [Microstructural analysis of the positive electrode of an electrohydraulic drill] // Technical Physics Journal. St. Petersburg, Russia. – 2015.– V. 85. – No.12. – P. 150-152
2. B.A.Akhmadiyev, K. Kussaiynov, N.N.Shuyushbaeva, K.M.Shaimerden. Study of regularities of changes in the temperature near the U-shaped ground heat exchangers // Bulletin of Karaganda University. - Physics series. Karaganda, Kazakhstan. – 2015. - No. 4 (80). – P.39-41
3. B.A.Akhmadiyev, K. Kusaiynov, N. N. Shuyushbayeva. Microstructural analysis of the positive electrode of electrohydraulic drill // Technical Physics. Pleiades Publishing.- 2015.-Vol 60.- No. 12.- P.1884-1886.
4. B.A.Akhmadiyev, A. Tatybekov. Issledovaniya processa i zakonomernosti teplootdachi v teploobmennikah [Investigation of the process and patterns of heat transfer in heat exchangers] // Proceedings of I. Razzakov KSTU: Theoretical and applied scientific and technical journal Physics. - 2017. – No. 2(42). – P. 88-91
5. B.A.Akhmadiyev, A. Tatybekov. Issledovanie teploobmennyyh processov trubchatykh elementov gruntovykh teploobmennikov [Investigation of heat exchange processes in tubular elements of ground heat exchangers] // Proceedings of I. Razzakov KSTU: Theoretical and applied scientific and technical journal Physics.- 2017. – No. 2(42). – P. 92-96
6. B.A.Akhmadiyev. Issledovanie zakonomernosti izmeneniya temperatury v okresnosti U obraznogo gruntovogo teploobmennogo apparata [Investigation of the regularity of temperature change in the vicinity of a U-shaped ground heat exchanger] // Moscow, Russia. -Scientific and technical journal "Metrology".- No.2.-2017. P.20-25//
7. B.A.Akhmadiyev, A. Tatybekov, N.N. Shuyushbayeva. Electrohydropulse technology of destruction and crushing of natural stones at different parameters .// Bulletin of Karaganda University. - Physics series. Karaganda, Kazakhstan. – 2018 No. 2(90)/20. P.49-55
8. B.A.Akhmadiyev, A. Tatybekov, G.A. Bulkayrova, Zh.K. Nausharban. Issledovanie teploobmennyyh processov U obraznogo gruntovogo teploobmennikov [Investigation of heat exchange processes of U-shaped ground heat exchangers] // Proceedings of I. Razzakov KSTU: Theoretical and applied scientific and technical journal Physics.- 2018. – No.3(47). – P. 200-206
9. B.A.Akhmadiyev, A. Tatybekov, G.A. Bulkayrova, A.B. Baktygulvoa. Rasschet teploobmennyyh processov U-obraznykh gruntovykh teploobmennikov [Calculation of heat exchange processes of U-shaped ground heat exchangers] // Proceedings of I. Razzakov KSTU: Theoretical and applied scientific and technical journal Physics.- 2018. – No.3(47). – P. 207-212
10. B.A.Akhmadiyev, A. Tatybekov, N.N. Shuyushbayeva, N.K. Tanasheva. Rasprostraneniya impulsivnogo davleniya pri elektrogidravlicheskom burenii [Impulse pressure propagation during electrohydraulic drilling] // Technical Physics Journal. St. Petersburg, Russia. – 2019. – No.4. – P. 497-499 <https://www.elibrary.ru/item.asp?id=37643939>
11. B.A.Akhmadiyev, A. Tatybekov, Shuyushbayeva N.N., N.K. Tanasheva. Propagation of Pulsed Pressure during Electrohydraulic Drilling // Technical Physics. Pleiades Publishing.- 2019.-Vol 64.- P.455-457.

**Participation in the implementation of scientific projects**

No. 507- Φ-12 “Electrohydropulse technology of creating heat exchangers for extracting soil heat at shallow depths” (registration No. 0112PK00668) 2012-2014

No. 533- Φ-15 «“Development of an effective technology for heat removal from heat pump wells based on electrohydropulse technology” (registration No. 0115PK00971) 2015-2017

**Membership in professional scientific organizations**

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**Honours and awards**

Badge “For excellent service in the Ministry of Internal Affairs”

Badge "15 years of Kazakhstan police"

Medal "For Impeccable Service" III degree

During the period of service in the Authorities of Internal Affairs was encouraged by:

Money 12 times, gratitude 4 times, diploma of the Regional Department of Internal Affairs 2 times and a pocket watch, diploma of the regional akim 1 time, diploma of the Ministry of Internal Affairs of the Republic of Kazakhstan and a pocket watch.

**Courses taught**

1. Planning and operation of ventilation, heating and hot water supply systems
2. Thermal energy metering devices
3. Rescue safety
4. Fire safety of residential and public buildings
5. Organization of production safety at industrial enterprises
6. Electrical part of combined heat and power plant and automation system
7. Energy saving in heat power engineering and heat technology

**Field of professional and scientific interests**

- Geothermal energy is energy obtained from the natural heat of the earth, an environmentally friendly, reliable and renewable energy resource.

**IDENTIFIERS OF SCIENTOMETRIC DATABASE**

**Researcher ID:**

**ORCID ID:**<https://orcid.org/0000-0002-4813-6367>

**RSCI Identifier :**

**Author ID Scopus:** 57009117600