

PERSONAL INFORMATION Ovcharov Mikhail Stepanovich



Republic of Kazakhstan, city of Karaganda, st. Universitetskaya, 28/2,
KarU named after academician E.A. Buketova



✉ mihail.ovcharov.40@mail.ru



| **Date of Birth:** 20.11.1940.

**PLACE OF WORK,
POSITION**

Karaganda University named after E.A. Buketova, Professor of the Department of Transport and Logistic Systems

**ACADEMIC DEGREE,
ACADEMIC TITLE
(ACADEMIC TITLE)**

Cand. tech. Sciences, Associate Professor

WORK EXPERIENCE

Place and date

-
- 1958 – 1966 turner of the plant them Parkhomenko, service in the ranks of the Soviet army, study at the Karaganda Polytechnic Institute
 - 1966-1976 Lecturer at the Department of Road Construction Machines
Karaganda Polytechnic Institute
 - 1976-1987 Chief designer of the "laboratory of mechanization"
Research Institute of Foundation Engineering
 - 1987– 1992 Associate Professor of the Karaganda Pedagogical Institute
 - 1992 professor of the Karaganda University named after E.A. Buketova
Department of Transport and Logistic Systems.

**INTELLIGENCE
ABOUT TRAINING**

-
- Certificate "Experience in technology commercialization awarded for teaching at a workshop on aspects (2015 324.06)".
 - FPK KarSU "Improvement of teaching disciplines in direction of technical science and technology "(Certificate No. 626017 from June 10, 2017).
 - Certificate No. 481019 - 09/14/2019. KarSU. Teacher training university with the use of DOT

Other skills (hobbies)

Invention

**ADDITIONAL
INFORMATION**



- 1) Improving the transmission of motor vehicles and tractors. Materials of the III International Scientific and Practical Conference. New achievements of European science. Volume 21. "Technologies". Sofia, 2014.
- 2) Universal damping support for turbine units. Collection of materials of the International Scientific and Practical Conference "Innovative Ways to Solve the Problems of Transport and Energy". Astana. 2014)
- 3) A method for producing high-pressure steam and a device for its implementation. Catalog of scientific and technical developments and services. Karaganda. Publishing house of KarSU, 2014.
- 4) Development of the design of the automatic clutch of the car and its introduction into production. Catalog of scientific and technical developments and services. Karaganda. Publishing house of KarSU, 2014.
- 5) Development of the design of the roller type car variator. Catalog of scientific and technical developments and services. Karaganda. Publishing house of KarSU, 2014.
- 6) Clutch. Innovative patent No. 28843 bul. No. 8 2015. Committee on Intellectual Property Rights of the Ministry of Justice of the Republic of Kazakhstan.
- 7) A method of obtaining thermal energy in the form of steam and the design of a steam generator for its implementation. Innovative patent No. 30,000 bul. No. 12 2015 Committee on Intellectual Property Rights of the Ministry of Justice of the Republic of Kazakhstan.
- 8) Impulse vehicle brakes. Catalog of scientific and technical developments and services. Karaganda. Publishing house of KarSU, 2015.
- 9) Impulse vehicle brake system. Bulletin of Karaganda University. Series "Physics". No. 3 (79) / 2015.
- 10) Method and device for unloading bearing supports of heavy technological equipment. Republican scientific-practical conference "EXPO-2017: technologies of the future" Astana 2016.
- 11) Radial thrust bearing as friction gear of vehicle transmissions. EDUCATION and SCIENCE without borders / Journal volume 7 №14 (2/2016) Karaganda, Prague. 2017.
- 12) Impulse braking system of the car. Patent No. 31980 bul. No. 8 2015. Committee on Intellectual Property Rights of the Ministry of Justice of the Republic of Kazakhstan.
- 13) Development of a schematic diagram of an electro-hydraulic impulse brake system of a car. Bulletin of Karaganda University. Series "Physics". - 2017. No. 4 (88) .- p. 66 -71.
- 14) Ways of development of non-traditional heat power engineering. Zhyluenergetika zhne oldanbaly zhylufizikasynyn özektı mäseleleri = Actual problems of heat power engineering and applied thermophysics = actual problems of head power engineering and applied thermophysics: prof. J.S. Akylbaevty 80 zhyld. arm. Rep. fyl.-täzhir. conf. material gifts. - Karagandy Kharmu baspasy, 2018 .-- 324 bet. 262-267.
- 15) Influence of the main properties of the liquid on the temperature indicators of the inertial heat generator. Bulgarian Chemical Communications, Volume 52, Special Issue A 2020 .-- P. 188-191.
- 16) Eight International conference "Modern Trends in Science" Blagoevgrad, Bulgaria 2020
- 17) Patent No. 34124 A device for heating a liquid. 20 01 2020 y.
- The number of published scientific and educational-methodical works is more than 300

Computer skills

USER: MICROSOFT OFFICE (WORD, EXCEL, POWER POINT), GRAPHIC EDITORS (CORELDRAW, AUTOCAD, KOMPAS - 3D LT)

Awards and titles

Inventor of the USSR, medals of the Exhibition of Economic Achievements of the USSR - gold, silver bronze, medals. Veteran of labour.

Courses taught

1. Automobile and automotive industry
2. Mechanics of liquid and gas, hydraulic and pneumatic drive
3. Dynamics of transport technology
4. Reliability of transport equipment
5. Descriptive geometry, engineering and computer graphics
6. Car service and company service

Sphere of professional and scientific interests

Receiving heat due to inertial forces; purification of exhaust gases from internal combustion engines by means of pulsed electrical discharges; unconventional methods of generating electricity, electric cars.

IDENTIFIERS OF SCIENTOMETRIC DATABASE

Researcher ID:
ORCID ID:
RSCI identifier:
Author ID Scopus: