

PERSONAL INFORMATION



Koketai Temirgali Abildauli

📍 Republic of Kazakhstan, Karaganda city, University, 28 str., KarU named after academician. E. A.

📄 Buketov

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🌐 <https://publons.com/researcher/4366762/koketay-temirgali/>



| Date of birth: 25/03/1938

PLACE OF WORK, POSITION

KarU named after Academician E. A. Buketov, Honored professor of the Department of Physics and Nanotechnology

SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Doctor of Physical and Mathematical Sciences, professor

WORK EXPERIENCE

Place and date

- 1964-1966. Research Assistant seconded to the Tartu State University of the Estonian SSR.
- 1969-1971 Senior Lecturer of the Department of Theoretical Physics of the Kazakh Pedagogical Institute. Abay.
- 1972 And about. Associate Professor, Deputy Dean of the Physics Faculty of the Kazakh Pedagogical Institute named after Abay.
- 1972 Head of the Department of Solid State Physics, the newly organized Karaganda State University.
- 1989-1994 Dean of the Faculty of Physics, Karaganda State University named after E.A. Buketova.
- 1994-1997 Vice-rector for scientific work of the Karaganda State University named after E. A. Buketova.
- 1997-2007. Head of the Department of Solid State Physics, Karaganda State University E.A. Buketova.
- 2007 Appointed Director of the Research Institute "Technical Physics and Environmental Problems" of KSU named after E.A. Buketova.

EDUCATION AND PROFESSIONAL TRAINING

Education

- 1966-1969. Post-graduate student of the Institute of Physics of the Academy of Sciences of the Estonian SSR (now the University of Tartu).
- 1974 Awarded the academic title of Associate Professor at the Department of Solid State Physics.
- 1990 Awarded the academic title of professor at the Department of Solid State Physics.
- Professor, Doctor of Physical and Mathematical Sciences

Professional trainings, Scientific trips

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SKILLS DEVELOPMENT INFORMATION

- Kazakh National University named after al Farabi
- Laboratory of Physics of Ionic Crystals of the University of Tartu (Tartu, Estonia).

-National Research Tomsk Polytechnic University (Tomsk, Russia)

PERSONNEL QUALITIES

Native language **Kazakh**

LANGUAGE	UNDERSTANDING		SPEAKING	WRITING
	Hearing	Reading	Oral speech	
Kazakh	excellent	excellent	excellent	excellent
Estonian	excellent	excellent	excellent	excellent

Digital skills

Advanced user: MICROSOFT OFFICE (WORD, EXCEL, POWER POINT)

Other skills (hobbies)

reading, kazakh literature

ADDITIONAL INFORMATION

1. Koketai, T ; Tussupbekova, A ; Baltabekov, A ; Mussenova, E. **Luminescence of potassium sulphate crystals doped by Eu³⁺ ions// XII International conference radiation-thermal effects and processes in inorganic materials**

Book Series: IOP Conference Series-Materials Science and Engineering.

Volume: 168

Article Number: 012083

DOI: 10.1088/1757-899X/168/1/012083

Published: 2017

Document Type:Proceedings Paper

2. Koketai, T., Tussupbekova, A., Baltabekov A., Mussenova, E., Luminescence of potassium sulphate crystals activated by Sn²⁺ ions// Journal of Physics: Conference Series. – Tomsk. -2017. –Volume 830, Issue 1. 012150

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[85020002680&origin=resultslist&sort=plf-](https://www.scopus.com/record/display.uri?eid=2-s2.0-85020002680&origin=resultslist&sort=plf-f&src=s&st1=Baltabekov&st2=&sid=78c0d27e827ff89b06bbfe3120e153dd&sot=b&sdt=b&sl=23&s=AUTHOR-NAME%28Baltabekov%29&relpos=1&citeCnt=0&searchTerm=)

[f&src=s&st1=Baltabekov&st2=&sid=78c0d27e827ff89b06bbfe3120e153dd&sot=b&sdt=b&sl=23&s=AUTHOR-NAME%28Baltabekov%29&relpos=1&citeCnt=0&searchTerm=](https://www.scopus.com/record/display.uri?eid=2-s2.0-85020002680&origin=resultslist&sort=plf-f&src=s&st1=Baltabekov&st2=&sid=78c0d27e827ff89b06bbfe3120e153dd&sot=b&sdt=b&sl=23&s=AUTHOR-NAME%28Baltabekov%29&relpos=1&citeCnt=0&searchTerm=)

3. Koketai T., Tussupbekova A., Mussenova E., Baltabekov A., Mussabekova A.K. Radiation impurity defects in the activated potassium// sulphate crystals / Functional materials and nanotechnologies: Book of abstracts of 12th International FMNT. – Riga, 2018. – P.164.

https://luconf.lu.lv/event/4/attachments/3/129/FMNT_2018_BOOK_OF_ABSTRACTS.pdf

4. Koketai T.A., Beissengaliyeva M.R., Bekturganov N.S., Gogol D.B., Taimassova Sh.T. Heat Capacities of Natural Antlerite and Brochantite at Low Temperature. // Journal of Chemical Engineering data. 2013, №58. P.2904-2912.

5. Koketai T., Batima Tagayeva, Ainura Tussupbekova, Elmira Mussenova. A Mechanism of Formation of Radicals in Crystal KDP (KH₂PO₄). Physics Procedia. 17th International Conference on Luminescence and Optical Spectroscopy of Condensed Matter. Volume 76, 2015, P. 101–105.

6. Koketai T., Batima Tagayeva, Ainura Tussupbekova, Elmira Mussenova. The Effect of Pre-irradiation Defects on the Recombination Luminescence in Activated Crystals K₂SO₄. Physics Procedia. 17th International Conference on Luminescence and Optical Spectroscopy of Condensed Matter. Volume 76, 2015, P. 97–100.

7. T. A. Kuketayev, K. A. Kuterbekov, S. A. Nurkenov, S. B. Kislitsin, A. K. Tussupbekova. Investigation of Structure and Properties of Barrier Layers in Metals (Fe, Cu) at Low Temperatures. // Russian Physics Journal. November 2016, Volume 59, Issue 7, pp 978–983. Импакт фактор 0.667. БД Scopus.

8. Koketai T.A., Tagaeva B.S. // Multimedia presentation on electronic media for the course "Condensirlengen kyi fizikasy". A / d No. 8267. dated 01.19.2015

Number of published scientific and educational-methodical works:

- Patent. A / c: 58510. From 05.11.2007. Koketitegi T.A., Kim L.M., Tolegulov A.D., Omarova G.S., Musenova E.K. A method of obtaining phosphors for X-ray amplifying screens based on potassium sulfate. // RSE "Karaganda State University named after academician E.A. Buketov" of the Ministry of Education and Science of the Republic of Kazakhstan.

- "Grant financing of scientific research" (2012-2014). The role and influence of the structure factor on the accumulation and decay of defects in wide-gap crystals.

- "Russian-Kazakh dictionary of physical terms".

Publishing house "Polygraphist";

- Optics and luminescence of condensed matter

Publishing house "Polygraphist";

- "Processes of recombination in activated crystals of potassium sulfate and phosphate" ..

- Development and implementation of nanotechnology for the production of high-entropy alloys and coatings based on them, Implementation period-2018-2020.

- Creation of a pilot production and research center for vacuum ion-beam processing of parts of mechanisms and machines. Implementation period-2018-2020.

Main publications

Participation in the implementation of scientific projects

Membership in professional scientific organizations

1981 He was awarded the medal named after the USSR pilot-cosmonaut Yu.A. Gagarin by the USSR Federation of Cosmonautics for promoting the achievements of the USSR in the study and exploration of outer space.

-1982 Awarded with the Certificate of Honor of the Ministry of Higher Education of the Kazakh SSR.

-1983 Awarded with the badge "For active work" of the All-Union Society "Knowledge".

-1983 Awarded with an honorary diploma of the Ministry of Higher Education of the Kazakh SSR.

-1999 Awarded with the Certificate of Honor of the Ministry of Education and Science of the Republic of Kazakhstan.

-2007 For significant success in teaching and upbringing of the younger generation, he was awarded the breastplate named after Y. Altynsarin.

-2008 Winner of the state grant "The best teacher of the university in 2007".

-2009 For special merits in the field of education of the Republic of Kazakhstan, he was awarded the badge "Honorary Worker of Education of the Republic of Kazakhstan".

-2011 Awarded with the jubilee medal "20 years of independence of the Republic of Kazakhstan"

-2012 Awarded with the jubilee medal "40 years of the Karaganda State University named after academician E.A. Buketov".

-2014 Awarded with the jubilee gold medal "20th Anniversary of the International Academy of Informatization".

-2016 Awarded with the 25th Anniversary Medal of Independence of the Republic of Kazakhstan.

Awards and titles

1. Innovations in applied physics
2. Topical issues of modern physics.
3. Electronic excitations in homogeneous systems.
4. Special chapters of nuclear physics.
5. Electronic processes in condensed media.
6. Innovative technologies in teaching physics in high school.
7. Physics of low-dimensional systems.

Courses

Professional and scientific interests

- Condensed matter physics
- Radiation physics of dielectric materials.
- Luminescence of dielectric materials.

SCIENTIFIC DATABASES IDENTIFIERS

Researcher ID: U-6784-2018

ORCID ID: <https://orcid.org/0000-0003-3452-4622>

Author ID Scopus: 55932171100

Google Scholar: <https://scholar.google.com/citations?user=Q338M58AAAAJ&hl=ru>

Publons: <https://publons.com/researcher/4366762/koketay-temirgali/>

Researchgate: