

PERSONAL INFORMATION

MASALIMOV ABAY SABIRZHANOVICH



 The Republic of Kazakhstan, Karaganda, Universitetskaya st., 28, Karaganda University named after academician E.A. Buketov



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 <http://www.researcherid.com/rid/U-7575-2018>



| Date of birth: 07/01/1952

PLACE OF WORK, POSITION

Karaganda University named after academician E.A. Buketov, Professor of the Department of Physical and Analytical Chemistry

SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Doctor of Chemical Sciences, Professor

WORK EXPERIENCE

Place and date

- 1974-1976 — Research Assistant, Department of Physical and Colloidal Chemistry, Zhambyl Technological Institute, Post-graduate researcher, Institute of Organoelement compounds of Sciences of the USSR, Moscow;
- 1976-1978 — lecturer of the Department of Physical Chemistry of Zhambyl Technological Institute;
- 1978-1980 — junior researcher of the Physical Methods of Research Laboratory, Institute of Chemical Sciences, Academy of Sciences of the Kazakh SSR;
- 1980-1982 — Senior Lecturer, Associate Professor of the Department of Physical Chemistry;
- 1982-1994 — Head of the Physical Chemistry Department;
- 1995-2000 — Head of the Physical and Analytical Chemistry Department;
- 2000-2001 — dean of the Faculty of Chemistry of the Karaganda State University named after E.A. Buketov;
- 2001-2005 — Vice-Rector of the Karaganda State University named after E.A. Buketov;
- 2005-2021 — Head of the Physical and Analytical Chemistry Department of the Karaganda State University named after E.A. Buketov;
- From 2021 to present — Professor of the Physical and Analytical Chemistry Department

EDUCATION AND PROFESSIONAL TRAINING

Education

- 1969 – 1974 — Kazakh State University named after S.M. Kirov, chemistry department. Specialty code: 0107 – Chemistry;

- 1978 — defense of the thesis for the degree of candidate of chemical sciences "EPR investigation of reversible reactions of proton transfer", specialty 02.00.04-physical chemistry, in the L.V. Pizarzhevskii Institute of Physical Chemistry of the Ukrainian Academy of Sciences, Kiev;
- 1993 — defense of a dissertation for the degree of Doctor of Chemical Sciences "Rapid reactions of proton transfer and exchange in semiquinone radicals", specialty 02.00.04 - physical chemistry

**Professional trainings,
Scientific trips**

- November 2006 — scientific internship at the EPR Spectroscopy Laboratory, Norfolk State University (USA, Virginia)

**SKILLS DEVELOPMENT
INFORMATION**

- Certificate No 170009 «Professionally oriented English», KSU named after E.A. Buketov, 15.05.2010 r.;
- Certificate No 535017 «Modern trends in the development of chemistry and chemical technology», KSU named after E.A. Buketov;
- Certificate No 141019 «Methods of teaching chemical and biological disciplines in English», 08.01.2019-14.01.2019

PERSONNEL QUALITIES

Native language **Kazakh**
fluent in Russian

LANGUAGE	UNDERSTANDING		SPEAKING		WRITING
	Hearing	Reading	Oral speech	Hearing	
English	B2	B2	B2	B2	B2

Digital skills

Advanced user: *Microsoft Office (Word, Excel, Power Point)*; graphic editors (Adobe Photoshop, Paint), programs for quantum chemical calculations (Gaussian, HyperChem, ChemOffice), Zoom video conferencing. Knowledge of operating systems: Windows and Android.

Other skills (hobbies) Reading, basketball

ADDITIONAL INFORMATION

Main publications

1. The investigations of acid-base properties of the several small molecules by quantum chemical methods // Bulletin of the University of Karaganda-Chemistry. - 2016. - No. 4 (84). - P. 27-32.
2. Investigation of intermolecular proton exchange 3,6-di-tert-butyl-2-hydroxyphenoxy with phenol by ESR spectroscopy method // Bulletin of the University of Karaganda-Chemistry. - 2015. - No. 1 (77). - P. 51-56.
3. EPR-spectroscopic and quantum-chemical investigations of the fast protolytic reactions of several alkaloids // Bulletin of the University of Karaganda-Chemistry. - 2014, No. 1 (73), P. 24-29.
4. Spin probing of the fast protonation reactions with semiquinone radicals, Book of abstracts of the 47th Annual International Meeting of the ESR Spectroscopy Group of the Royal Society of Chemistry, 6-10 April, Dundee, 2014, p.87.
5. Protolytic Reactions of 3,6-Di-tert-Butyl-2-Hydroxyphenoxy with Nitrogen Bases Theoretical and Experimental Chemistry. 2016, V. 52, No.1, P. 57-65.

The number of published scientific and educational-methodical works is more than 260, of which:

- in the Scopus database journals – 23;
- in the Clarivate Analytics database journals– 35;
- in editions recommended by CCSES of the MES RK – 51;
- in publications located in the RSCI database – 31;
- textbooks, teaching aids, electronic textbooks (co-authored) – 2

Scopus h-index – 1

Clarivate Analytics h-index – 2

Participation in the implementation of scientific projects

"Spin sensing of the kinetics and mechanisms of acid-base reactions of fast proton transfer and exchange in the liquid phase"

Membership in professional scientific organizations

- Academician of the National Academy of Sciences of the Higher School of Kazakhstan (NAS HSK), 2002;
- Academician of the International Academy of Higher School Sciences (IAS), 2005;
- Member of the New York Academy of Sciences, 2000;
- Member of the International EPR Spectroscopy Society, USA, 2000

Awards and titles

Medal of the Ministry of Education and Science of the Republic of Kazakhstan «For achievements in the development of science» (2005)
«The Best Teacher of the University» (2006)
«Honored Worker of the Karaganda State University» (2012).

Courses

1. Structure of substance
2. Computer nanochemistry
3. Magnetic Resonance Spectroscopy
4. Quantum chemistry and quantum mechanics
5. Applied Quantum Chemistry
6. Chemical radiospectroscopy
7. Statistical Thermodynamics
8. Quantum nanochemistry

Professional and scientific interests

EPR spectroscopy and quantum chemistry mechanisms of fast reactions of free radicals

**SCIENTIFIC DATABASES
IDENTIFIERS**

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