

PERSONAL INFORMATION

STADNIK IRINA LEONIDOVNA



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



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PLACE OF WORK, POSITION

KarU named after Academician E.A. Buketov, Faculty of Chemistry, Assistant Professor of the Department of Physical and Analytical Chemistry

SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Candidate of Chemical Sciences

WORK EXPERIENCE

Place and date

- **2005-2007** Teacher of the Department of Physical and Analytical Chemistry of the E.A. Buketov KarSU
- **2007-2017** Senior lecturer of the Department of Physical and Analytical Chemistry of the E.A. Buketov KarSU
- **2020-2021** Chemical engineer of the Testing Center of "Gio Trade" LLP
- **2021- currently** Assistant Professor of the Department of Physical and Analytical Chemistry of the E.A. Buketov KarU

EDUCATION AND PROFESSIONAL TRAINING

Education

- **1997-2002** Karaganda State University named after Academician E.A. Buketov, Faculty of Chemistry, specialty – "Applied Ecology", qualification – Chemist. Ecologist (with honors)
- **2002-2005** Karaganda State University named after Academician E.A. Buketov, Faculty of Chemistry, Department of "Physical and Analytical Chemistry", postgraduate study in the specialty – "Physical Chemistry"
- **2006** defense of the candidate's thesis

SKILLS DEVELOPMENT INFORMATION

- Certificate No. 103012 of the FPC of the E.A. Buketov KarSU "Methods of teaching distance education technology" 20.03.2012
- Certificate No.686012 of the FPC of the E.A. Buketov KarSU "Catalytic processing of heavy oils and oil residues in the presence of nanocomposite catalytic additives" 30.06.2012
- Certificate No. 353016 "Intensive training of teachers of chemistry and computer science of universities in English". 20.12.2016 (Karaganda, KarSU).
- Certificate No. 0807/20 "General requirements for the competence of testing and calibration laboratories in accordance with the requirements of GOST ISO/IEC 17025-2019. Internal audit of management systems" October 2020, (Karaganda, Kazakhstan Training and Consulting Center)
- Certificate of training, retraining and advanced training of specialists No.015814-21 dated 30.04.2021 "Assessment of uncertainty of measurement results according to GOST

PERSONNEL QUALITIES

Native language Russian

LANGUAGE	UNDERSTANDING		SPEAKING		WRITING
	Hearing	Reading	Oral speech		
Kazakh	A2	A2	A2	A2	A2
LANGUAGE CERTIFICATE: no					
English	B1	B2	B1	B2	B2
LANGUAGE CERTIFICATE: NO					
German					
Spanish					
French					

Digital skills

Advanced user: Microsoft Office (Word, Excel, PowerPoint), common quantum-chemical software packages ChemOffice, HyperChem, Gaussian.

ADDITIONAL INFORMATION

Main publications

1. Exchange of protons of an oxymethyl radical with acids and bases: a semi-empirical quantum chemical study// Bulletin of the Treasury. Chemical series. – 2016. – №3-4(83). – P.22-32.
2. Kvantty-chemiyalyk yesepteu adisteri arkyly aminobenzoy kyshkylynn molekulaaralyk complexsterin zertteu/ Innovative development and relevance of science in Modern Kazakhstan: Collection of articles of the International Scientific Conference (Almaty, October 20-21, 2016). - Almaty: Publishing house "Zhibek Zholy", 2016. - pp. 138-143
3. Quantum-chemical modeling of complex formation in systems with hydrogen bonding on the example of a water dimer/ Innovative development and relevance of science in Modern Kazakhstan: Collection of articles of the International Scientific Conference (Almaty, October 20-21, 2016). - Almaty: Publishing house "Zhibek Zholy", 2016. - pp. 98-101
4. Proton transfer and exchange in the oxymethyl radical-ammonia system: quantum chemical modeling/ Innovative development and relevance of science in Modern Kazakhstan: Collection of articles of the International Scientific Conference (Almaty, October 20-21, 2016). - Almaty: Publishing house "Zhibek Zholy", 2016. - pp. 93-98
5. Quantum-chemical modeling of complexes due to hydrogen bonding of an oxymethyl radical with ammonia/ Collection of materials of the international scientific and practical conference "Trends in the development of science and education in the field of natural sciences", dedicated to the 70th anniversary of the birth of Doctor of Chemical Sciences, Honorary Professor of Butin Bulat Mazhekenovich University (October 7-8, 2016). - Almaty: "ONON" baspasy, 2016. - pp.48-52.
6. Stadnik, I.L., Abilkanova, F.Zh., Kudryavtseva, Ye.V., Nikolskiy, S.N., & Masalimov, A.S. (2022) ESR-study of the proton exchange with aliphatic amino acids in toluene. Bulletin of the University of Karaganda – Chemistry.

Courses

1. Structure of substance, Computer chemistry of medicinal substances
2. Computer chemistry
3. Analytical chemistry
4. Quality control of raw materials, materials and finished products
5. Metrology, standardization and certification

Professional and scientific interests

- EPR spectroscopic studies of the kinetics and mechanism of rapid reactions in liquid media
- Quantum chemical studies of the electronic structure and reactivity of various compounds

SCIENTIFIC DATABASES IDENTIFIERS

Researcher ID:

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RSCI:

Author ID Scopus: