

PERSONAL INFORMATION Panshina Svetlana Yur'evna



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

📅 Buketov

✉ janim_svetatusik@mail.ru



| Date of birth: 02/03/1991

PLACE OF WORK, POSITION

Assistant Professor, Department of Organic Chemistry and Polymers

SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Candidate of Chemical Sciences

WORK EXPERIENCE

EDUCATION AND PROFESSIONAL TRAINING

Education

- **Bachelor's degree 2009 – 2013**
- Karaganda State University named after E. A. Buketova Faculty: Chemistry. Specialty: chemical technology of organic substances
- **Master's degree 2014 – 2016**
- Karaganda State University named after E. A. Buketova Faculty: Chemistry. Specialty: chemical technology of organic substances
- **Master's degree 2015 – 2017**
- National Research Tomsk Polytechnic University. Institute of Natural Resources Specialty: Chemical technology. Engineering in biotechnological and pharmaceutical industries
- **Postgraduate studies 2017 - 2021**
- National Research Tomsk Polytechnic University. Scientific and educational center of N.M. Kizhner. Direction: Chemical sciences / profile - organic chemistry

Professional trainings, Scientific trips

- Training course "Laboratory exercises of inorganic chemistry" at the Charles University in Prague, from 25.05.2015 to 05.06.2015.

SKILLS DEVELOPMENT INFORMATION

- advanced training course on the topic: "Combined use of 2D NMR correlation spectroscopy for identification and study of the structural features of nitrogen-containing heterocyclic compounds" in the period from March 4, 2019 to April 5, 2019 in the amount of 270 academic hours (Tomsk, Russia, NR Tomsk State University)
- course of guest lectures "Chemistry of Heterocycles and Medical Chemistry" by Professor of Moscow State University. Lomonosov (Moscow, Russian Federation), Doctor of Chemical Sciences Babaev Evgeny Veniaminovich

- (72 hours) in the period from 10/17/2022 to 11/12/2022
- a course of guest lectures "Self-organizing polymer and micellar systems" by a senior researcher at the Department of Physics of Polymers and Crystals of Moscow State University named after M.V. Lomonosov (Moscow, Russian Federation), Candidate of Physical and Mathematical Sciences Andrey Vladimirovich Shibaev (72 hours) in the period from 10/17/2022 to 11/12/2022
- advanced training course "Development of competencies of a university teacher in organizing distance and online learning" (72 hours) in the period from 01/09/2023. to 21.01. 2023
- master class on the topic "When cultures meet" 10/31/2023

PERSONNEL QUALITIES

Native language Russian

LANGUAGE	UNDERSTANDING	SPEAKING
	Kazakh	+
English	+	+

CONFIDENT PC USER:

Digital skills

- OS WINDOWS,
- MS WORD, MS EXCEL, MS POWERPOINT,
- INTERNET (GOOGLE CHROME, FIREFOX),
- MAIL, GOOGLE
- PROFESSIONAL SOFTWARE: CHEMDRAW, CHEMOFFICE, HYPERCHEM, MESTRENOVA, GAUSSIAN

Other skills (hobbies) Sport. Charity.

ADDITIONAL INFORMATION

Main publications

1. Panshina, S.Y. Analysis of X-ray structural parameters of glycoluril and its derivatives / S.Y. Panshina, O.V. Ponomarenko, A.A. Bakibaev et al // Journal of Structural Chemistry. – 2020. – V 61, N 9. – P. 1315–1355. DOI: 10.1134/S0022476620090012
2. Panshina, S. Synthesis of Glycolurils and Hydantoins by Reaction of Urea and 1, 2-Dicarbonyl Compounds using Etidronic acid as a "Green catalyst" / S. Panshina, A. Bakibaev, A. Uhov, V. Malkov // Journal of Heterocyclic Chemistry. – 2020. - 57, Is. 12. P. 4262-4270. DOI: 10.1002/jhet.4132
3. Panshina, S. Y. New Synthesis of 2,4,6,8-Tetramethyl-2,4,6,8-tetraazabicyclo[3.3.0]octane-3,7-dione Using Etidronic Acid as a "Green" Catalyst / S. Panshina, O. V. Ponomarenko. A. Bakibaev, V. Malkov // Russian Journal of Organic Chemistry. – 2020. V. 56, N 12. – P. 2067–2073. DOI: 10.1134/S1070428020120039
4. Panshina, S.Y. A study of products of tetrakis(hydroxymethyl)glycoluril dehydroxylation in aqueous solutions / S. Y. Panshina, O.V. Ponomarenko, A. A. Bakibaev, et al. // Russ Chem Bull. – 2021. – V. 70. – P.140–147. DOI: 10.1007/s11172-021-3068-8
5. Panshina, S.Yu., Bakibaev, A.A., Guslyakov, A.N., & Malkov, V.S. (2022) Synthesis of Cucurbit[6]uril using 1-Hydroxyethylidene-1,1-diphosphonic acid as a "Green catalyst". Bulletin of the University of Karaganda – Chemistry. <https://doi.org/10.31489/2022Ch4/4-22-3>

**Participation in the
implementation of scientific
projects**

**Membership in professional
scientific organizations**

Awards and titles

Courses

1. Organic chemistry
2. Macromolecular chemistry
3. Chemistry of Polymerization Processes

**Professional and scientific
interests**

- Synthesis, chromatography, physicochemical analysis, mass spectrometry, spectrometry, NMR structure determination, IR analysis, hydrolysis, extraction, sample preparation,
- Russian-English translation of scientific literature

**SCIENTIFIC DATABASES
IDENTIFIERS**

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