


PERSONAL INFORMATION

SATPAYEVA ZHANARKUL BOLSYNBEKOVNA



 The Republic of Kazakhstan, Karaganda, st. University 28
Academician E.A. Buketov Karaganda university



 satpaeva_zh@mail.ru

 <https://publons.com/researcher/2048101/zhanarkul-satpaeva/>



| Date of birth: 29/12/1984

PLACE OF WORK, POSITION

Academician E.A. Buketov Karaganda university, Senior Lecturer, Department of Organic Chemistry and Polymers

SCIENTIFIC DEGREE, SCIENTIFIC TITLE (ACADEMIC DEGREE)

Master Natural Sciences

WORK EXPERIENCE

Place and date

- **2009-2014** - Junior Researcher at the Laboratory of Synthesis of Biologically Active Substances, Institute of Organic Synthesis and Coal Chemistry of Republic Kazakhstan
- **2014-2020** - Researcher at the Laboratory of Synthesis of Biologically Active Substances, Institute of Organic Synthesis and Coal Chemistry of Republic Kazakhstan
- **September 2020** - Senior Lecturer, Department of Organic Chemistry and Polymers, E.A. Buketov KarU

EDUCATION AND PROFESSIONAL TRAINING

Education

- **2003-2008.** – student at Academician Y.A. Buketov Karaganda State University, Faculty of Chemistry, specialty - "Chemical, forensic and environmental expertise", qualification - Expert Chemist.
- **2011-2013.** - Academician Y.A. Buketov Karaganda State University, Faculty of Chemistry, specialty - "6M060600 - Chemistry", academic degree of Master Natural Science.
- **2017-2020** - Doctoral student at E.A. Buketov Karaganda University, Faculty of Chemistry, specialty - "6D060600 – Chemistry.

**Professional trainings,
Scientific trips**

- **May 2012** - Internship at Charles University (Prague, Czech Republic);
- **May 23, 2019** - participation in the Republican Congress of Young Scientists, in the framework of the Year of Youth, which was held at the Eurasian National University (Nur-Sultan). A representative of E.A. Buketov University;
- **May 27-28, 2019** - was a member of the expert commission as a student representative in the specialized accreditation of the program 5B070100 - Biotechnology. The external audit took place at Karaganda State Technical University;
- **November-December 2019** - scientific internship at Charles University (Prague, Czech Republic).

**SKILLS DEVELOPMENT
INFORMATION**

- **November 14-26, 2011** - on the program 023 "Methods of research of nanostructured materials catalytic-cavitation processing of heavy hydrocarbon raw materials". (Academician E.A. Buketov Karaganda State University);
 - Certificate of completion of the course "Chemistry of solid state materials" (19.09.2017-03.10.2017; issued by RNDr, Ph.D. Jiri Plocek, Karaganda, Kazakhstan);
 - Certificate of completion of the course "Solid State Chemistry" (19.09.2017-03.10.2017; issued by RNDr, Associate Professor David Havlicek, Karaganda, Kazakhstan);
 - Certificate awarded in the nomination "**Springer Nature Top Author**" on behalf of Springer Nature and on behalf of the National Center for Scientific and Technical Information (NCSTI) for high publication activity in scientific journals, published by Springer Nature journals among authors from Central Asia and Kazakhstan (issued by Asdaa Kotani Vice-president of Springer Nature and Adil Ibrayev President of National Center of Science and Technology Evaluation, October 2017);
 - Certificate has participated the Springer Nature open days (on 6.10.2017, issued by Irina Aleksandrova, Licensing Manager of Springer Nature of Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan and Turkmenistan);
 - Certificate has successfully completed the official Springer Nature training "How to use and how to publish" (on 27.10.2017, issued by Springer Nature Licensing Manager of Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan and Turkmenistan Irina Aleksandrova);
 - Certificate of Completion of the course "Intensive English Language Course (Beginner)" (10.10.2017-10.06.2018, issued by Academician E.A. Buketov Karaganda State University);
 - Certificate of Completion of the course "Intensive English Language Course (Elementary)" (10.10.2018-10.06.2019 issued by Academician E.A. Buketov Karaganda State University);
 - Certificate participated in the Elsevier trainings for "Increase Research Effectiveness via Science Direct and Scopus" (on 03.06.2019 issued by Taufun Basal Elsevier Regional Director for Turkey, Iran, ME and Central Asia);
 - Certificate of Completion of the course "Intensive English Language Course (Pre-Intermediate)" (2019-2020 issued by Academician E.A. Buketov Karaganda State University).

PERSONNEL QUALITIES

Native language **Kazakh**

| LANGUAGE | UNDERSTANDING | | SPEAKING | | WRITING |
|----------|---------------|---------|-------------|----|---------|
| | Hearing | Reading | Oral speech | | |
| Russian | C1 | C1 | B2 | B2 | B2 |
| English | B1 | B1 | B1 | B1 | B1 |

German

basic

basic

basic

basic

basic

Digital skills

Proficient user of: Microsoft Office (Word, Power Point), Graphic Editors (ChemDraw, Adobe Photoshop). Knowledge of Windows and IOS operating systems.

Other skills (hobbies)

Embroidery and sewing, board games (backgammon, checkers).

ADDITIONAL INFORMATION

Main publications

1. Meiram Burkeyev, Zhanarkul Satpaeva, Yerkeblan Tazhbayev, Tulegen Seilkhanov, David Havlicek. Synthesis and radical copolymerization of 2-(4-((4-isocyanophenyl)diazanyl)phenoxy)ethyl-3-phenylacrylate with maleic anhydride // *Polymers advanced technologies*. - 2021. - P. 1-8. DOI:10.1002/pat.5274.
2. Zh.B. Satpaeva, Z.T. Shulgau, S.B. Akhmetova, O.A. Nurkenov, S.D. Fazylov, M.Zh. Burkeev. Antiradical and Antimicrobial Activity of Thiosemicarbaside and 1,2,4-Triazole Derivatives of Hydroxybenzoic Acid // *Russian Journal of Bioorganic Chemistry*. – 2020. – Vol. 46. – No. 4. – P. 537-541. DOI: 10.1134/S1068162020040172.
3. O.A. Nurkenov, Zh.B. Satpaeva, I.A. Shepetkin, A.I. Khlebnikov, K.M. Turdybekov, T.M. Seilkhanov, S.D. Fazylov. Synthesis and biological activity of hydrazones of o- and p-hydroxybenzoic acids. Spatial structure of 5-bromo-2-hydroxybenzylidene-4-hydroxybenzohydrazide // *Russian Journal of General Chemistry*. – 2017. – Vol. 87. – No. 10. – P. 2299-2306. DOI: 10.1134/S1070363217100097.
4. Zh.B. Satpaeva, O.A. Nurkenov, K.M. Turdybekov, L.K. Abulyaissova, M.Zh. Burkeev, S.D. Fazylov, S.A. Talipov, David Havlicek. Molecular structure and quantum chemical calculations 4-ethyl-5-(2-hydroxyphenyl)-1,2,4-triazol-3-thione // *News of the National academy of sciences of the republic of Kazakhstan*. – 2019. – Vol. 6, - N. 438. – 21-29.
5. O.A. Nurkenov, Zh.B. Satpaeva, Shchetkin I.A., Fazylov S.D. Synthesis of new hydrazones based on o- and p-hydroxybenzohydrazides // *Russian Journal of General Chemistry*. – 2017. – 87. – 8. – P. 1707-1710. DOI:10.1134/S1070363217080114.

The number of published scientific works is more than 130, including:

- in journals according to Clarivate Analytics – 35;
- in Scopus journals - 21;
- in publications recommended by the CCSES of the MES RK - 30;
- in editions placed in the RSCI database - 55;
- monographs (co-authored) - 4;
- RK patents - 6;
- Certificates of Authorship - 4.

Hirsch index according to Clarivate Analytics – 4

Hirsch index in Scopus - 3

Hirsch index in the RSCI database - 3

Hirsch index on Google Scholar - 5

Participation in the implementation of scientific projects

1. "Development of scientific bases and effective methods of synthesis of new polyfunctional pyridine compounds in order to search on their basis of potential biologically active substances for medicine" (customer - MES RK; 2018-2020, position - researcher, executor);
2. "Development of scientific foundations of knowledge-intensive and resource-saving technologies for obtaining multifunctional materials based on natural, synthetic raw materials and waste coal processing" (customer - MES RK; 2018-2020, position - researcher, executor);
3. "Molecular design and development of methods of synthesis of new combined derivatives of natural alkaloids - promising precursors for pharmaceutical purposes" (customer - MES RK; 2020-2022, position - senior lecturer, executor).

Membership in professional scientific organizations

Awards and titles

2011 r. Winner of the Karaganda Oblast Akim Award, awarded to young scientists in the category "Ecology and Environmental Management, Agricultural Sciences".
In 2013, she was awarded the Commendation of the Ministry of Education and Science of the Republic of Kazakhstan.
2014 was awarded a Diploma for 1st place in the contest "The Best Young Scientist of 2014" held in the scientific and production holding "Phytochemistry".
2016, 2019 recipient of the State Research Fellowship for Talented Young Scientists.
2017 winner of the memorable diploma "Top author Springer" on behalf of Springer publishing house and on behalf of the National Center for Scientific and Technical Information for publishing the highest number of articles and citations in the journals of Springer publishing house among the authors from Central Asia and Kazakhstan.
In 2018 she was awarded the Diploma of I degree in the nomination "Originality of idea" in the competition of scientific projects among master and doctoral students (supervisor - Burkeyev M.Zh.), held at the Academician E.A. Buketov Karaganda State University.

Courses

1. Nanotechnology in medicine and pharmaceuticals
2. Polymeric drug substances
3. Organic Chemistry

Professional and scientific interests

She specializes in the fine organic synthesis of new biologically active compounds based on natural and synthetic substances, as well as products of carbonic synthesis.

SCIENTIFIC DATABASES IDENTIFIERS

Researcher ID: P-4887-2017
ORCID ID: 0000-0003-0962-1148
RSCI: 988004
Author ID Scopus: 55308175100