



Last name, first name, patronymic:

Mukazhanova Zhazira

Position (Department):

Associate Professor, Chemistry Dept., Amanzholov University

Information about education:

Chemistry and Biology Teacher, 1984-1989, Ust-Kamenogorsk Pedagogical Institute

6M060600 - Chemistry 2010– 2012, Sarsen Amanzholov East Kazakhstan State University

6D060600 - Chemistry 2018– 2021, Amanzholov University

Academic degree:

Master of Science (M.Sc.) in Natural Sciences, Sarsen Amanzholov East Kazakhstan State University, 2012

Doctor of Philosophy (Ph.D.), Amanzholov University, 2022

Academic title:

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Pedagogical experience:

35

Subjects taught:

- Analytical Chemistry
- Qualitative Analysis
- Quantitative Analysis
- Qualitative and Quantitative Analysis
- Chemistry of Solutions
- Methods of Scientific Research
- Chemistry of Natural Compounds

Scientific interests:

Chemistry of natural compounds

Publications and articles:

WoS и Scopus:

- 1) Resveratrol- Based Nanoformulaions as an Emtrging therapeuticstrategy for Cancer **Frontiers in Molecular Biosciencts, Q2**, 01 September 2021, | Volume 8 | Article 649395
[Doi:10.3389/fmolb.2021.649395](https://doi.org/10.3389/fmolb.2021.649395)
- 2) Evaluation of the Capparis Herbacea Willd's Chemistry, Antioxidant and Cytotoxic Activity, Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry 2023;22(4): 261-272.
Scopus 37%
[Doi:10.3389/fmolb.2021.649395](https://doi.org/10.3389/fmolb.2021.649395)
- 3) New insights into the anticancer therapeutic potential of icaritin and its synthetic derivatives, **Q2**, Drug Development Research
First published: 03 April 2024, 85(2): e22175.
<https://doi.org/10.1002/ddr.22175>
- 4) Phytochemical Profiling, Antioxidant and Antimicrobial Potentials of Ethanol and Ethyl Acetate Extracts of Chamaenerion latifolium L., **Q2**, Pharmaceuticals, 2024, Jul 27 17(8), 996
[DOI: 10.3390/ph17080996](https://doi.org/10.3390/ph17080996)
- 5) Substantiation of optimal parameters of rapeseed cake extrusion process
Caspian Journal of Environmental Sciences, 2024, Том 22 (3), страницы 715–725
ISSN: 1735-3033 E-ISSN: 1735-3866
[DOI: 10.22124/CJES.2024.7917](https://doi.org/10.22124/CJES.2024.7917)
- 6) Cellulose-Based Sorbents: A Comprehensive Review of Current Advances in Water Remediation and Future Prospects, **Q2**, Molecules, 2024, 29, 5969. <https://www.mdpi.com/journal/molecules>
[DOI:https://doi.org/10.3390/molecules29245969](https://doi.org/10.3390/molecules29245969)
- 7) Applications and Advantages of Cellulose–Chitosan Biocomposites: Sustainable Alternatives for Reducing Plastic Dependency, **Q1**, Polymers, 2025, 17 (1), 23, 2093 KB
[DOI:https://doi.org/10.3390/polym17010023](https://doi.org/10.3390/polym17010023)
- 8) Studying the wound healing property of biologically and chemically synthesized gold nanoparticles through scratch assay and neural network modeling, **Q1**, Advanced Composites and Hybrid Materials 8, 121 (2025).
[DOI:https://doi.org/10.1007/s42114-024-01133-9](https://doi.org/10.1007/s42114-024-01133-9)
- 9) Hydrogel Delivery Systems for Biological Active Substances: Properties and the Role of HPMC as a Carrier, **Q2**, Molecules, 2025-03
<https://www.mdpi.com/journal/molecules>
[DOI:https://doi.org/10.3390/molecules30061354](https://doi.org/10.3390/molecules30061354)
Journal Rank: JCR - **Q2** (Chemistry,Multidisciplinary)/ CiteScore - **Q1** (Chemistry (miscellaneous))

Monograph:

- 1) Табиғи полифенолды қосылыстар химиясы, Монография. – г. Өскемен: Изд-во «Берел», 2022 год. – 102 с. ISBN 978-601-314-632-4, 6,38

CQA-SHE, Ministry of Science and Higher Education of the Republic of Kazakhstan:

- 1) Химияны оқыту процесінде жүйелік-құрылымдық тәсілді іске асыру үшін қашықтықтан оқыту құралдарының кешенін жасау ВЕСТНИК Евразийского национального университета имени Л.Н. Гумилева. Серия Педагогика. Психология. Социология BULLETIN of L.N. Gumilyov Eurasian National University. Pedagogy. Psychology. Sociology Seri No 4(137)/2021, С. 265
[DOI:https://doi.org/10.32523/2616-6895-2021-137-4-265-2740](https://doi.org/10.32523/2616-6895-2021-137-4-265-2740)
Манапова С.С., Шаихова Б.К., Мукажанова Ж.Б., Шайхеслямова К.О.

- 2) . Comparative acidic combination analysis of selected asteraceae family species Reports of the national academy of sciences of the republic of Kazakhstan ISSN 2224-5227 volume 3. Number 347 (2023), 181–190 doi:<https://doi.org/10.32014/2023.2518-1483.235> N. Sagdollina, M. Ibrayeva, Zh. Mukazhanova, M. Ozturk
- 3) Анализ продуктов металлургического производства на содержание сурьмы Вестник университета Шакарима. Технические науки. Химическая технология. № 4(12) 2023, с.176-184 doi: [10.53360/2788-7995-2023-4\(12\)-22](https://doi.org/10.53360/2788-7995-2023-4(12)-22) Р.А. Аубакирова, Ж.Б. Мукажанова, К.К.Кабдулкаримова, И.В. Афанасенкова, Ш.К. Санъязова
- 4) Isolation of flavonoids by high-performance liquid chromatography from plant of genus thymus serpyllum News of the national academy of sciences of the republic of Kazakhstan series chemistry and technology ISSN 2224–5286 volume 4. Number 457 (2023), 116–123 doi:<https://doi.org/10.32014/2023.2518-1491.197> Ibrayeva, Mukazhanova, Duzbayeva, Kabdysalym, Adhikari
- 5) Component composition and biological activity of essential oil of hyssopus cuspidatus plants Reports of the national academy of sciences of the republic of Kazakhstan ISSN 2224-5227 volume 4. Number 348 (2023), 169–178 doi:<https://doi.org/10.32014/2023.2518-1483.251> N. Duzbayeva, M. Ibrayeva, K. Kabdysalym, Zh. Mukazhanova, A. Adhikari
- 6) Partial oxidation of a propane-butane mixture on catalysts supported on a natural support News of the national academy of sciences of the republic of Kazakhstan series chemistry and technology ISSN 2224–5286 volume 1. Number 458 (2024), 94–105 Doi:<https://doi.org/10.32014/2024.2518-1491.210> B.K. Massalimova*, A.S. Darmanbayeva, S.A. Tungatarova, V.A. Sadykov
- 7) 10.Алюминий негізіндегі композиттік материалдарды синтездеу және олардың қасиеттерін зерттеу Механика және технологиялар. Химиялық технологиялар / Ғылыми журнал. – 2024. – №3(85). – Б.367-374. Doi:<https://doi.org/10.55956/RNZL3070> А.С. Дарменбаева, Б.К. Масалимова, Ж.Б. Мукажанова
- 8) Production and study of properties of biological coatings based on cellulose obtained from barley and flax stems News of the national academy of sciences of the republic of Kazakhstan series chemistry and technology ISSN 2224–5286 Volume 1. Number 462 (2025), 43–56 <https://doi.org/10.32014/2025.2518-1491.265> G.M. Zhusipnazarova, R. Reshmy, A.S. Darmanbayeva*, Zh.B. Mukazhanova, G.B. Aubakirova
- 9) Isolation of iridoids from verbascum marschallianum News of the national academy of sciences of the republic of kazakhstan series chemistry and technology ISSN 2224–5286 Volume 1. Number 462 (2025), 57-67 <https://doi.org/10.32014/2025.2518-1491.266> M. Ibrayeva, E. Sagindykova, Zh. Mukazhanova
- 10) Development and study of catalysts for dehydrogenation of saturated hydrocarbons to olefins., News of the national academy of sciences of the republic of kazakhstan series chemistry and technology ISSN 2224–5286 Volume 1. Number 462 (2025), 104-120 <https://doi.org/10.32014/2025.2518-1491.2701> B.K.Massalimova, A.S. Darmanbayeva, Zh. Mukazhanova, K.A.Shorayeva, N.V.Ostafeychuk
- 11) Optimization of flavonoid extraction conditions from a plant of the genus symphyotrichum novi-belgii». Academic journal of physical and chemical sciences, Almaty 6 Naz RK, № 3 2025. 218 -227. <https://doi.org/10.32014/2025.2518-1483.375> M. Ibrayeva, N. Sagdollina, Zh. Mukazhanova, Sanyazova S., M. Ozturk

Utility Model Patent:

- 1) «Способ получения экстракта с антиоксидантной активностью» **Патент на полезную модель № 7630** от 02.12.2022, бюлл. №2022/0898.2 заявка от 17.10.2022 Қазақстан Республикасы Әділет министрлігінің «Ұлттық зияткерлік меншік институты» РМК 2022г

- 2) Патент (на полезную модель) №9231 от 07.06.2024, бюлл. №2024/0502.2 Заявка от.09.04.2024
Қазақстан Республикасы Білім және ғылым министрлігінің «Сәрсен Аманжолов атындағы
ШҚМУ» «Ұлттық зияткерлік меншік институты» РМК 2024г
- 3) «Способ получения средства, обладающего антимикробным действием».
Патент (на полезную модель) №10659 от 30.05.2025, бюлл. №2025/0695.2 Заявка
от.28.03.2024_на тему: «Микробтарға қарсы әсерге ие затты алу тәсілі. Способ получения
средства, обладающего антимикробным действием»; Қазақстан Республикасы Білім және
ғылым министрлігінің «Сәрсен Аманжолов атындағы ШҚМУ» «Ұлттық зияткерлік меншік
институты» РМК 2025 г.

