



## SUMMARY OF THE PROFESSOR-TEACHING COMPOSITION

**Name:** Shertayeva Nailya Turdygalievna

**1 Education:** Higher education Candidate of Chemical Sciences, Associate Professor of the Department of Chemistry.

**Disciplines taught:** Organic chemistry of aliphatic compounds, organic chemistry of cyclic compounds, organic synthesis, innovative technologies and organization of the process of teaching chemistry at school, distance learning and the use of information technologies in teaching chemistry.

**2 Academic experience:**

- 1995-1999 Engineer of the Department of General Chemistry SKSU named after M. Auezov
- 2000-2006 Lecturer at the Department of General Chemistry SKSU named after M. Auezov
- 2006- 2015 Associate Professor of the Department of "Chemistry" ENU named after L.N. Gumilev
- 2015-2018 Head of the Department of Chemistry and Biology Taraz University of Humanities and Innovation
- 2018-2019 Head of the Department "Chemistry and Methods of Teaching Chemistry" of Taraz State Pedagogical University
- 2019-2020 Head of Employment and Career Development Center International University «SILKWAY»

**3 non academic experience:** KazSRI Giprofosforus, engineer of the laboratory of physico-chemical and analytical studies

**4 certificates:**

- Certificate training seminar Erasmus + Program of the European Union, Taraz, November 5-6, 2015
- Certificate No. 0083029 dated February 26, 2016. "Organization of coaching and mentoring practice in the context of updating the content of education" JSC NCPK "Orleu", 240 hours.
- Certificate No. 557 dated 5-6.01.2016 "Preparation of a report on self-assessment of the university in the framework of institutional and specialized accreditation"
- Certificate No. 164 dated 26.03.7.04.2018 "Modern educational technologies" KazNU named after Al - Farabi, Almaty, 72 h.
- Certificate BZh No. 095955 dated November 09, 2018 under the program for improving the qualifications of teaching staff of universities that train pedagogical personnel, as part of updating the content of secondary education in the Republic of Kazakhstan, developed by the CPM AO NIS, in the amount of 80 hours
- Certificate of completion of the English language course Beginner (A1) No. 002543 dated May 23, 2018.
- Certificate No. 912 of 03/02/2018 "Kashykyktan ogytutyutorlar mektebi" SKSU named after M. Auezov, Shymkent in the amount of 72 hours.
- Certificate No. C-02312 dated 01/18/2020. "Management in Education", in the amount of 72 hours

- Certificate No. 00233570, 08.02. -22.02.2021. actual aspects of teaching chemistry at the university, within 72 hours
- Certificate No. 012-DO-025A dated 09/20/2021. Methods of scientific research and academic writing, within 72 hours

**5 Membership in professional organizations: Yes**

**6 Awards and prizes:** By the decision of the Presidium of the Russian Academy of Natural Sciences (dated April 18, 2016), he was awarded the Honorary title "Honored Worker of Science and Education".

**7 Activities in the services sector:** does not work

**8 most important publications and presentations in the last five years:**

1 Shertaeva N.T., Rakhmadiyeva S.B., Kudarova A.N. Polyphenolic compounds of the plant LEPIDIUM RUDERALE LINN. and their biological activity // Mater. IX int. symposium "Phenolic compounds: fundamental and applied aspects." - Moscow, 2015. - pp. 131-136.

2 Shertayeva N.T. Innovative technologies in teaching chemistry at a university // Mezhdunar. Journal of Experimental Education.- 2016.- No. 12, part 2 .-. p. 22-26.

3 Shertaeva NT Development of a program for the study of the culture of communication // Bulletin of TIGU.- 2016.- №3 (26) .- P.125-130.

4 Shertayeva N.T., Aktaev E.K., Saduakas E.A., Rakhmadiyeva S.B. Determination of flavanoids and alkaloids in Asplenium Septentrionale (L. Hoffm. By high-performance liquid chromatography (HPLC)) // International Journal of Applied and Basic Research - 2016.- No. 3, (part 2) .- pp. 150-155.

5 Shertayeva N.T., Kurmanbaeva A.A. Development of new catalytic systems for the production of monoatomic alcohols / Mater. 2nd int. scientific-practical conference-2017.- Busan (South Korea) - pp. 115-125.

6 Shertayeva NT, Nurseitov Sh.Sh. , Kerimkulov K.Zh., Shertaev ET Basic processes and devices of chemical production: textbook. Almaty.- 2015.-480 p.

7 Dostiyarov AA, Shertayeva N. T. Technology of water preparation for industry: textbook. Almaty.- 2017.- 144 p.

8 Shertayeva NT History of research of ethno-didactic ideas in Kazakh folk pedagogy // Vestnik TIGU.- 2018.- №1 (32) .- P.52-61.

9 Shertayeva NT, Zhunus A., Moldakasov R. Use of ethno-didactic ideas of folk pedagogy in the process of school education // Proceedings of the international scientific-practical conference "Auezov readings-16: The Fourth Industrial Revolution: New Opportunities for Modernization in Science, Education and Culture of Kazakhstan" .- Shymkent.- 2018. - Volume 2.- P.264-267.

10 N.Shertayeva, Zh.Sabiraliyeva, R.Taubayeva, A.Taithibekov Polyphenolic Compounds of Plant of Lepidium Ruderale Linn. And their Biological Activity// Journal Biochemical Technology. -2018.-Vol. 8, No. 4, pp. 77-80.

11 N.Shertayeva, Zh Sabiraliyeva, R.Zharlykapova, R.Taubayeva Definition of flavonoids and alkaloids in the plant a splenium septentrionale//Journal of International Pharmaceutical Research, ISSN: 1674-0440-2019. - pp. 694-696.

12 Shertayeva N.T., Khasankhodzhaeva B., Batynova A. Use of technology for the development of critical thinking in teaching chemistry. // Proceedings of the international scientific-practical conference "Yunus Readings: The Role of the Heritage of the Great Thinkers of Eastern Civilization in the Modernization of Public Consciousness." - Shymkent. -2020.- S.392-397.

13 Batynova A., Shertayeva N.T, Zhumabaev Sh.A. Technologies in teaching organic chemistry. // Science and life of Kazakhstan №5 / 4,2020.-P.95-105

14 T.E. Gaipov, A.B. Makhanbetov, B.E. Myrzabekov, A. Tazhibayev, S. Bitursyn, N. Shertayeva, M. Duisembiyev and E.K. Abdulina Extraction of manganese from manganese ores //

by electrochemical leaching//1811| July - September | 2022 ISSN: 0974-1496 | e-ISSN: 0976-0083 | CODEN: RJCABP <http://www.rasayanjournal.com>,<http://www.rasayanjournal.co.in>

15 A.M. Serikbayeva<sup>1</sup>, M.S. Kalmakhanova, H.T. Gomes, B.B. Shagraeva, N.T. Shertaeva Methods of preparation and physico-chemical characteristics of organic modified clays with grafted organoaloxides// *NEWS of the National Academy of Sciences of the Republic of Kazakhstan* SERIES OF GEOLOGY AND TECHNICAL SCIENCES ISSN 2224-5278 Volume 3, Number 453 (2022), 166-180 <https://doi.org/10.32014/2022.2518-170X.188>

16 Shataeva N.T., Mamykova R.U. Methods of scientific research and academic writing// Textbook / Shymkent: Publishing house of SKSPU, 2022. -147 p.

9. New scientific developments: