

ABSTRACT

of the dissertation of PhD doctoral student Kuralay Baimukhambetova
in the educational program

8D01301 – Pedagogy and Methodology of Primary Education
on the topic:

«Preparing Future Primary School Teachers for Innovative Professional Activity in Teaching the Kazakh Language»

Research topic: Preparing Future Primary School Teachers for Innovative Professional Activity in Teaching the Kazakh Language.

Research objective: to determine the theoretical and methodological foundations for preparing future primary school teachers for innovative professional activity in the process of teaching the Kazakh language; to develop a scientifically substantiated methodological system for such preparation and to experimentally validate its effectiveness through experimental research.

Research objectives:

- identification of the theoretical and methodological foundations for preparing future primary school teachers for innovative professional activity in the process of teaching the Kazakh language;

- clarification of the essence and structure of the concepts of «innovative professional activity of a primary school teacher» and «preparation of primary school teachers for innovative professional activity in the process of teaching the Kazakh language»;

- development of a structural and content-based model for preparing future primary school teachers for innovative professional activity in the process of teaching the Kazakh language;

- development of a methodological system for preparing future primary school teachers for innovative professional activity in the process of teaching the Kazakh language, substantiation of its effectiveness through experimental research, and development of scientific and methodological recommendations.

Research methods:

- *theoretical methods*: scientific and theoretical analysis of philosophical, psychological, and pedagogical literature; generalization; content analysis; structuring; comparison; and specification;

- *empirical methods*: diagnostics, pedagogical observation, questionnaire survey, testing, mathematical and statistical data processing, and graphical representation of results.

Main provisions submitted for defense:

1. The theoretical and methodological foundations of preparing future primary school teachers for innovative professional activity in Kazakh language teaching constitute an integrated scientific system that ensures the development of professional thinking, methodological flexibility, and the ability to make innovative pedagogical decisions. Methodologically, they are based on the interrelationship of systemic, activity-based, competency-based, acmeological and innovative approaches. The content of Kazakh language teaching serves as the core

component of professional preparation. Innovative professional activity is characterized by the ability to reinterpret pedagogical situations and to resolve them effectively. The structure of professional preparation is scientifically substantiated in accordance with the requirements of the modernization of the pedagogical process.

2. «Innovative professional activity of a primary school teacher» is considered as a complex, multi-level structure of professional activity, characterized by the formation of the teacher's professional competence and their ability to make creative decisions, based on the rational selection and effective use of innovative and digital technologies, as well as artificial intelligence capabilities in the context of educational modernization. In turn, «The preparation of primary school teachers for innovative professional activity in Kazakh language teaching» is defined as an integral process of professional training implemented through the interrelation of structural components and aimed at enabling future teachers to master creative approaches to pedagogical activity in the process of teaching the Kazakh language, to carry out the conscious selection of innovative methods and technologies in accordance with the content of instruction, to integrate and apply digital educational resources and artificial intelligence tools, as well as to effectively solve professional pedagogical tasks.

3. The structural and content-based model of preparing future primary school teachers for innovative professional activity in Kazakh language teaching is based on goal-motivational, content-processual, and innovative-activity components, ensuring the systematization of the content of professional training, the determination of the logic of organizing pedagogical activity, as well as the dynamic interrelation of criteria, indicators, and levels that make it possible to assess the level of innovative professional preparedness of future teachers.

4. The methodological system for preparing future primary school teachers for innovative professional activity in Kazakh language teaching предусматривает the implementation, within the educational program 6B01301 «Pedagogy and Methods of Primary Education», of a specialized course entitled «Preparation for Innovative Professional Activity in Kazakh Language Teaching», as well as a textbook titled «Innovative Methodology for the Professional Preparation of Future Primary School Teachers in Kazakh Language Teaching». The effectiveness of the developed methodological system has been experimentally validated.

Description of the main results of the research:

- the theoretical and methodological foundations for preparing future primary school teachers for innovative professional activity in Kazakh language teaching have been identified.

- the essence and structure of the concepts of “innovative professional activity of a primary school teacher” and “preparation of primary school teachers for innovative professional activity in Kazakh language teaching” have been clarified.

- a structural and content-based model for preparing future primary school teachers for innovative professional activity in Kazakh language teaching has been developed.

- a methodological system for preparing future primary school teachers for innovative professional activity in Kazakh language teaching has been developed; its effectiveness has been demonstrated through experimental research; and scientific and methodological recommendations have been formulated.

Justification of the novelty and significance of the obtained results:

– *The scientific novelty of the first result* lies in the identification of the theoretical and methodological foundations for preparing future primary school teachers for innovative professional activity in Kazakh language teaching, which contributes to updating the content of teacher education and improving the system of pedagogical education.

– *The scientific novelty of the second result* lies in clarifying the essence and structure of the concepts of «Innovative professional activity of a primary school teacher» and «Preparation of a primary school teacher for innovative professional activity in Kazakh language teaching», which constitutes the scientific basis for the development of teachers' professional thinking, teaching style, and a digital technology-based educational environment in the process of teaching the Kazakh language.

– *The scientific novelty of the third result* lies in the development of a structural-content model for preparing future primary school teachers for innovative professional activity in Kazakh language teaching, the application of which, including its components and criteria, in the educational process is aimed at improving the quality of Kazakh language instruction in higher education and developing the innovative competence of future teachers.

– *The scientific novelty of the fourth result* lies in the development of a methodological system for preparing future primary school teachers for innovative professional activity in Kazakh language teaching, the experimental verification of its effectiveness through experimental research, the substantiation of the obtained results based on quantitative, qualitative, and diagnostic indicators, as well as the development of scientific and methodological recommendations. A positive dynamic in the level of innovative professional preparation of future primary school teachers has been established based on quantitative, qualitative and diagnostic indicators.

Practical significance of the research:

Within the framework of the research, a special course program entitled «*Preparation for Innovative Professional Activity in Teaching the Kazakh Language*» was developed and implemented in the educational process of higher education institutions.

A textbook entitled «*Innovative Methodology for the Professional Training of Future Primary School Teachers in Teaching the Kazakh Language*» was developed and introduced into the educational process. The textbook is intended for undergraduate students majoring in *Pedagogy and Methodology of Primary Education*, master's degree students, and primary school teachers. An author's certificate No confirming the entry of information into the State Register of Rights to Copyright-Protected Objects was obtained (20 May 2024, No 46033).

The results and recommendations obtained in the course of the research can be used in the educational process of higher and vocational pedagogical institutions that train future teachers, as well as in the organization of professional development courses for primary school teachers.

Compliance of the research with the directions of scientific development or state programs.

The dissertation research was carried out in accordance with the Address of the Head of State Kassym-Jomart Tokayev to the people of Kazakhstan, «Kazakhstan in the Era of Artificial Intelligence: Current Challenges and Ways to Address Them through Digital Transformation», the Law of the Republic of Kazakhstan «On Education», the Concept for the Development of Higher Education and Science in the Republic of Kazakhstan for 2023–2029, the Order approving the Professional Standard for Teachers of Educational Organizations, as well as the Order approving the Standard Qualification Characteristics of Pedagogical Positions, which provide for the development of digital competence among future teachers, the mastery of modern methods and innovative technologies, and the modernization of the organization of the educational process.

In accordance with the above-mentioned regulatory documents, the content of the special course «Preparation for Innovative Professional Activity in Kazakh Language Teaching» and the textbook «Innovative Methodology for the Professional Preparation of Future Primary School Teachers in Kazakh Language Teaching» corresponds to the current directions of development in primary education and science.

Description of the doctoral candidate's contribution to the preparation of each publication.

A total of 16 scientific publications have been produced based on the dissertation research. These include: 1 article published in a journal indexed in the Scopus database (Q1, 84 th percentile); 4 articles published in journals recommended by the Committee for Quality Assurance in Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan; 5 articles published in the proceedings of international scientific and practical conferences held in the Republic of Kazakhstan; 5 articles published in the proceedings of international scientific and practical conferences held abroad; and 1 textbook.

1. Evaluating the Relationship Between Pre-Service Teachers' Artificial Intelligence Readiness and Professional Self-Efficacy. *Education Sciences*. ISSN 2227-7102. 2026, 16(1), 43; <https://doi.org/10.3390/educsci16010043> Q1, 84 percentile; (The doctoral candidate's personal contribution included conducting the research, processing and analyzing the obtained results, and writing the manuscript text - 60%; Co-authors' contributions were as follows: Ybyraimzhanov K. - development of the research concept - 10%; Moldabek K. - development of the research methodology - 10%; Akhatayeva U. - linguistic and stylistic editing of the text - 5%; Zhetkizgenova A. - statistical data analysis - 5%; Uaidullakzyzy E. - development of the study concept and design - 10%).

2. Инновациялық технологиялар болашақ бастауыш сынып мұғалімдерінің инновациялық кәсіби іс-әрекетін қалыптастырудың құралы ретінде. Абылай хан атындағы Халықаралық қатынастар және әлем тілдері университетінің хабаршысы. Педагогика ғылымдары сериясы. -2023. - № 1. - 175-191 бб. <https://doi.org/10.48371/PEDS.2023.68.1.012>. <https://bulletin-pedagogical.ablaikhan.kz/index.php/j1/article/view/690/433> (The doctoral candidate's contribution to writing the article is - 85 %, while the co-author's contribution: Есназар А.Ж. - 15 %);

3. Болашақ бастауыш сынып мұғалімдеріне арналған «Қазақ тілін оқыту арқылы инновациялық кәсіби іс-әрекетке даярлау» атты элективті курстың маңыздылығы. «3i: intellect, idea, innovation - интеллект, идея, инновация». - 2023. -№ 3. -147-157 бб. DOI: 10.52269/22266070_2023_3_147. <https://ojs.ksu.edu.kz/index.php/3i/article/view/559/470> (The doctoral candidate's contribution to writing the article – 85%, Contribution of co-authors: Ыбыраимжанов К.Т. – 10%, Ирсакова М.А. – 5%);

4. Determination of the content level of innovative activity in the preparation of future primary school teachers for the professional specialty. Abai Kazakh national pedagogical university. Journal «Pedagogy and Psychology». -2023. -№ 4. - P.50-58. <https://journal-pedpsy.kaznpu.kz/index.php/ped/article/view/1377> (Doctoral student's contribution to writing the article – 90%, Co-author's contribution: Ыбыраимжанов К.Т. – 10%);

5. Профессиональная подготовка будущих учителей начальных классов: экспериментальная имплементация программы Dikolan. Вестник Торайгыров университета, Педагогическая серия. – 2025. - №1. – С. 115-128 <https://vestnik-pedagogic.tou.edu.kz/storage/journals/369.pdf>. (The doctoral candidate's contribution to writing the article – 90%, Contribution of co-authors: Мауленбердиева Г.Б. – 5%, Кубеева М.А. – 5%);

6. Қазақ тілін оқытуда болашақ бастауыш сынып мұғалімінің кәсіби даярлығын жетілдіру. С. Аманжолов атындағы ШҚУ 70 жылдығына арналған «Қазіргі сын-қатерлер жағдайындағы ғылым мен білімнің өзекті мәселелері» «Уәлиев оқулары-2022» Халықаралық ғылыми-тәжірибелік конференциясының материалдар жинағы. 2-бөлім. - Өскемен, - 16-17.09.2022. - 3-8 бб. (Doctoral student's contribution to writing the article – 90%, Co-author's contribution: Ыбыраимжанов К.Т. – 10%);

7. The effectiveness of innovative activity in the formation of professional training of a future specialist through teaching the Kazakh language. Quality Management: Search and Solutions. Materials of the VIII International Scientific-Practical Conference. Seattle (WA, USA). - 23-25.11.2022. Volume II. -P.59-64. (Doctoral student's contribution to writing the article – 90%, Co-author's contribution: Uzunboyly H. – 10%);

8. Заманауи білім берудегі инновациялық әдістердің қазақ тілін оқытуда қолданылуы. Профессор Қ.Б. Жарықбаевтың 95 жылдығына арналған «Психология және педагогика дамуының өзекті мәселелері» атты халықаралық ғылыми-практикалық конференция материалдары. -Алматы,

17.11.2022. 390-392 бб. (Doctoral student's contribution to writing the article – 90%, Co-author's contribution: Ыбыраимжанов К.Т. – 10%);

9. Методологические принципы обучения казахскому языку для будущих учителей начальных классов. Актуальные проблемы науки и образования: материалы международного форума, посвященного 300-летию Российской академии наук. Часть 2. -Екатеринбург, -12-13.12.2023. -С.326-332. <https://www.elibrary.ru/item.asp?id=54070567> (Doctoral student's contribution to writing the article – 85%, Contribution of co-authors: Ыбыраимжанов К.Т. – 10%, Дүйсекова М.Т. - 5%);

10. Жаңа формациядағы болашақ мамандарды кәсіби даярлау. Кентау гуманитарлық-техникалық колледжінің 15 жылдығына арналған «Жаңа Қазақстан: білім беру жүйесіндегі ізденіс, тәжірибе, нәтиже» атты халықаралық ғылыми-тәжірибелік конференция материалдары. -Кентау. – 12.05.2023. 94-98 бб. (Doctoral student's contribution to writing the article – 90%, Co-author's contribution: Хусейн У. – 10%);

11. The current state of teaching the Kazakh language to future primary school teachers. Innovative scientific research Proceedings of the V International Scientific and Practical Conference. Toronto. -Canada. - 20-21.07.2023. -P.56-59. (Doctoral student's contribution to writing the article – 80%, Contribution of co-authors: Ibyraimzhanov K. – 10%, Uzunboylu H. - 10%);

12. Possibilities of preparing primary teachers for innovative professional activity in teaching the Kazakh language. IX International Scientific and Practical Conference «Current questions of modern science». - Tallinn, Estonia. -16-17.11. 2023. -P.26-30. (Doctoral student's contribution to writing the article – 85%, Contribution of co-authors: Uzunboylu H. - 10%, Dildabekova G. – 5%);

13. Methodological system of formation of readiness for innovative professional activity of primary school teachers in the study of the subject "Kazakh language". *The modern vector of the development of science*. Proceedings of the XII International Scientific and Practical Conference. -Philadelphia, USA. -21-22.03.2024. -P.120-124. (Doctoral student's contribution to writing the article – 85%, Contribution of co-authors: Ibyraimzhanov K. - 10%, Yeszhanova G. – 5%);

14. Қазақ тілін оқытуда цифрлық технологияларды тиімді пайдалану - уақыт талабы. «Білім беру жүйесінде жаңа трендтер мен технологиялардың ғылымдағы мәні мен маңызы» атты Халықаралық ғылыми-практикалық конференция материалдары. -Шымкент, -25-26.04.2024ж. 78-82 бб. <https://univershu.edu.kz/media/attachments/2024/06/28/iv-.pdf> (Doctoral student's contribution to writing the article – 90%, Co-author's contribution: Ыбыраимжанов К.Т. – 10%);

15. Болашақ мұғалімдердің қазақ тілін оқытуға арналған инновациялық білім беру платформаларын қолдану дағдылары. «Тәшенев оқулары – 3: Цифрлық дәуір және Тәшеневтің көшбасшылық идеялары» атты халықаралық ғылыми-практикалық конференцияның ғылыми мақалалар жинағы. -Шымкент, -09.04.2025. 211-216 бб. (Doctoral student's contribution to writing the article – 100%);

Textbooks and teaching aids recommended by the Academic Council

16. Қазақ тілін оқытуда болашақ бастауыш мұғалімдерін кәсіби даярлаудың инновациялық әдістемесі. Оқу құралы. -Шымкент: Қызмет баспасы, 2024. -105 б. ISBN 978-601-81118-8-4. (The doctoral candidate's contribution to the development and publication of the teaching aid – 100%).

All publications were prepared in the course of the research closely aligned with the content of the dissertation. The obtained research results are considered to be the independent scholarly work of the doctoral candidate.