

ABSTRACT

for the defense of the dissertation for the degree of doctor in philosophy (PhD) on the specialty 6D012000-Vocational training
by **Mamedov Rikhsibai Abdurakhmanovich on the topic "Scientific - pedagogical bases of professional adaptation of future specialists in conditions of dual education".**

Relevance of the research. Modern education in the Republic of Kazakhstan is associated with the pace of socio-economic transformations in the country and entry into the international educational space, strengthening of the role of students' professional adaptation in mastering their chosen specialty while studying at the university.

Today, dual training is of great importance in the development of vocational training. In this regard, the address of the head of state N. Nazarbayev to the people of Kazakhstan "Twenty steps to a Universal Labor society" proposes a new program of social modernization of the country on the basis of specific productive labor relations. And this assumes that the future specialist becomes not only a professional, but also an individual. It raises questions about the development of value orientations of the profession, awareness of its goals, rapprochement of people and professional groups, entering into the role of the professional group, acceptance of all components of the upcoming professional activity: to take into account its objectives, subject, methods, means, results and situations within this specialty.

The world recognizes the advantages of the dual training system we are considering, with an emphasis on theoretical training in educational institutions and its practical training in the production.

The advantage of dual education as the basis of practice-oriented training is the interest of employers as a consumer of future employees. It takes into account the account of educational institutions by attracting highly qualified employees of enterprises in the educational process, ensuring the possibility of using modern equipment in the educational process in real production and the requirements of employers for future specialists of dual training.

The dual system corrects the gap between theory and practice, creates a high motivation of students to receive education, and orientates the university to a qualitatively new level of training of future specialists. Under the current conditions, the requirements for professional adaptation in the context of dual education with a high level of preparation of future specialists for future activities are being updated.

The relevance of this statement became clear from the analysis of the works of scientists in the field of pedagogical Sciences. Psychological and pedagogical aspects of determining the purpose, content, forms and methods of vocational training were studied in the works of foreign scientists (A. A. Verbitsky, B. S. Gershunsky, V. A. Ermolenko, G. I. Ibragimov, V. S. Lednev, M. I. Makhmutov, V. A. Polyakov, L. G. Semushin, N. G. Yaroshenko, etc.). General questions of the

theory of adaptation was regarded by many works (V. Yu. Vereshchagin, A. B. Georgievsky, G. I. Tsaregorodtsev, A. A. Tsakhayeva). The structure and dynamics of career guidance (E.F. Zeer, E.A. Klimov, Markov A.K., Petrov I.V. Ilmukova, E.A. Vertyagiya) and features of professional adaptation of students to certain types of professional activity (Vrazhnova KH. R., Kadyrova KH., Makhmudov F. A., Nimchenko V. S., Polutova M. A., Syromitskaya I. A.) were comprehensively analyzed in the works of scientists. Research on the implementation of the dual system of education and implementation issues (K. Zh. Buzaubakova, S. A. Uzakbayeva, S. A. Zholdasbekova, Zh.O.Nurzhanbayeva, P. N. Baltash, U. M. Abdigapbarova, etc.) in the training of teachers in the Republic of Kazakhstan were conducted.

As a result of the analysis of psychological and pedagogical literature in the adaptation of future teachers, the general biological and psychological qualities of a person are taken as a basis (P.K. Anokhin, M.I. Dyachenko, JI.A. Kandybovich, I.S. Kon, A.N. Leontyev , A.V. Petrovsky, S.V. Petrovsky, L. Rubinstein, Sikhimbayev I., etc.), as well as professional and personal qualities (O.A. Abdullina, L.V. Zanina, I.A. Zimnyaya, A.K. Markova, V.A. Slastenin).

Adaptation of future teachers to professional activity is provided by psychological-pedagogical and methodical approach, formation of interaction and experience. Mastering the set of norms and functions of future professional activity, development of cognitive activity and independence as a condition for successful adaptation (Yu. N. Kulyutkin, G. I. Kuptsova, A. F. Esaulov).

However, we have seen that today the issue of training future specialists for professional adaptation in the conditions of dual education is not fully considered in higher education institutions. From the psychological and pedagogical point of view, we came to the conclusion that the question of the ability of graduates to work in new conditions and their reactions in response to new requirements has not been studied.

In the course of the study discussed above, the following **contradictions** were identified:

- the objective need of society to prepare professionally adapted specialists for the conditions of dual education and the actual state of development of this aspect of the problem in professional pedagogy;
- the need for professional adaptation of future specialists to the conditions of dual education and the protracted nature of its course due to the lack of appropriate scientific and methodological support for the adaptation process;
- potential opportunities of the educational process in the joint interaction of the University and the enterprise for the professional adaptation of future specialists to the conditions of dual education and the lack of effective ways to use them;
- the claims of the adaptor in professional self-realization, the requirements of professional activity and the lack of conditions necessary for successful professional adaptation in dual education.

On the basis of the revealed contradictions the **problem of research** is formulated: what should be the pedagogical conditions, methods, organizational forms of training of future specialists in dual education, what are the ways of their

organization and meeting the needs for training professionally adapted specialists in the conditions of dual education in society?

The relevance of the problem, its theoretical and practical significance, as well as its lack of development in the theory and practice of professional pedagogy were the basis for determining the research topic: «**Scientific and pedagogical bases of professional adaptation of future specialists in the conditions of dual education**».

Purpose of the research: methodological and theoretical justification of professional adaptation of future specialists in the conditions of dual education, presentation of forms of organization and methodology.

The object of the research- The process of professional training of future specialists at the HEIs.

Subject of the research -system of professional adaptation of specialists in the conditions of dual education.

The hypothesis of the research-if: methodological, pedagogical guidelines for the professional adaptation of future specialists in the conditions of future dual training are determined and a practice-oriented model of professional adaptation in the dual education system is developed, pedagogical conditions are determined and methods for its effective implementation are recommended, this means that the process of professional adaptation of future teachers in the conditions of dual education will be effectively implemented, since increasing the level of professional adaptation of future specialists is a requirement of society.

Research Objectives:

1. To study the scientific basis for the professional adaptation of future specialists to the conditions of dual education;
2. To identify the psychological and pedagogical essence of professional adaptation of future specialists in the context of dual education;
3. To develop and present pedagogical conditions and a practice-oriented model of professional adaptation of future specialists in the context of dual education;
4. Present methods and forms of professional adaptation of future specialists in the context of dual education and their approbations in practice.

Leading idea: professional adaptation of future specialists in the context of dual education, contributing to the creative self-realization of a future specialist in professional activities.

Methodological and theoretical basis of the research: modern theories and concepts of the development of professional education of scientists, philosophical, sociological, economic, psychological, pedagogical studies on the concepts of “dual learning”, “adaptation”, ”professional adaptation”; philosophical and psychological theory of dual education, psychological and pedagogical conclusion on the role of personality formation in the educational process, conceptual ideas of dual education in the system of continuing professional education, theoretical principles of pedagogy, the relationship between theory and practice, the theory of vocational training .

Sources of research: scientific works in philosophy, sociology, psychology, pedagogy, "Constitution of the Republic of Kazakhstan," Development Strategy of Kazakhstan - 2050, Law of the Republic of Kazakhstan "On Education", other documents and official materials, educational manuals, programs, pedagogical activity experience of the author.

Methods of research: the following theoretical and empirical methods of research were used to solve the set goal, tasks of dissertation work and verification of scientific forecast: theoretical research (on the basis of psychological-pedagogical and scientific-methodological literature, as well as educational standards, programs, etc.); methodological studies (student and teacher monitoring, interviews, questionnaires, interviews, selection of best teaching practices, pedagogical experiment); statistical processing of results, data and their graphical representation.

Stages of the research. The research was conducted in three stages.

The first stage (2016-2017) search and theoretical (preparation). The findings of the research were summarized and analysed; The problem area of the research is specified. The logical structure and initial state of the study were identified; problems of professional adaptation of future specialists in dual education were analyzed based on the study of scientific literature and educational experience. The topic was justified and the scientific apparatus was defined. In order to determine the initial level of professional adaptation of students, ascertaining experiment was carried out.

The second stage (2017-2018) - experimental (main). The system of dual training specifies methodological and theoretical guidelines for the problem of professional adaptation of future specialists. A program of formative experiment has been developed. Practical-oriented model of professional adaptation of future specialists in dual training was formed, results of theoretical research were transformed into practical activity, conditions were developed, methods ensuring efficiency of its implementation were proposed.

The third stage (2018 - 2009) - analysis, scientific-theoretical generalization and interpretation of data obtained during the final (analytical) experiment. Formation of main conclusions and conceptual provisions of the research, development of recommendations. Introduction of the results of the dissertation study into the educational practice of universities and educational institutions and institutions of VET(vocational education and training). Drawing up of dissertation work.

Scientific novelty and theoretical significance of the research:

1. The scientific-theoretical bases of professional adaptation of future specialists in conditions of dual education is analyzed.
2. The psychological and pedagogical principles of professional adaptation of future specialists in conditions of dual education have been clarified.
3. Practical-oriented model of professional adaptation of future specialists in conditions of dual education is given, pedagogical conditions of its formation are given.

4. Forms and methods of professional adaptation of future professionals in dual education were presented, the importance of which was tested in practice.

Practical significance of the research: Teaching and methodological support of the educational process has been developed and put into practice, as well as the Program of the Seminar "Factors of professional adaptation of future teachers in conditions of dual education" for teachers of higher educational institutions and employees of enterprises - employers and the program of selective course "Foundations of dual education" for bachelors' degrees. The theoretical provisions, conclusions, scientific and methodical and diagnostic materials and recommendations received as a result of a research can be used in the course of dual education when training bachelors on specialties "vocational education", "preschool training and education" and "fine arts and drawing", in the system of technical and professional education and professional development of workers of higher educational institutions.

Research base: M.Auezov South Kazakhstan State University, SilkwayInternational University, A.YassawiInternational Kazakh-Turkish University, College of Light Industry and Service of Shymkent, Kazakh-German Polytechnic College of Kent, Shymkentschool-gymnasium № 64 and elite kindergarten of the 21st century.

Provisions for defense:

- Professional adaptation of future expert in the conditions of dual education is using knowledge acquired and its constant upgrading, abilities, skills and experience taking into account its specifics, the organization, integration into the changing requirements of society, requirement of labor market and conditions of the new industrial practice environment. Complex dynamic process of young person entering its profession.

- Purposeful and consistent activity of universities and social partners - employers, being a tool of knowledge, dynamic practice - oriented model of professional adaptation of future specialists in conditions of dual education.

- The level of professional adaptation of future specialists in dual education is determined by a set of specially created pedagogical conditions, including: management of the process of adaptation of students on the principles of subjective activity in educational and cognitive activities; creation of practical-oriented educational environment ensuring integration of university and production; comprehensive educational and methodological support of the process of professional adaptation of future specialists.

- The success of determining the professional adaptation of future specialists of dual training is determined by subjective and objective indicators. Subjective indicators include: features of the motivational sphere of the individual; satisfaction (dissatisfaction) with dual-oriented training and educational environment; adaptator's perception of all professional activities; a clear assessment of their ability (self-evaluation) to realize the motives and needs for practicaloriented activities in dual education; favorable environment of the educational environment in the performance of training and production tasks. Objective indicators are the performance evaluation of students and (or) their

assessment by officials responsible for the quality of staff training, together with representatives of educational institutions and partner companies.

The validity of the research results is ensured by methodological consistency of initial theoretical provisions that meet modern requirements and trends in the development of professional pedagogical science and practice. Compliance of the set of research methods with the stages of professional adaptation of future specialists in conditions of dual training. Tasks and logic of the study. Representative (for translation-characteristic) selection quality. Quantitative and qualitative analysis and obtained data processing. Proof of theoretical and applied conclusions. With the direct participation of the thesis defender in the introduction, testing and implementation of the research results into educational practice, covering 135 students and 11 representatives of employers.

Dissertation structure: the thesis consists of an introduction, two sections, a conclusion and the list of used literature.

Testing and implementation of research results. The main provisions in the applicant's study are published in the form of scientific reports at national and international scientific and practical conferences, collections of works of international symposiums, journals recommended by the Committee for Control in the Field of Education and Science of the Republic of Kazakhstan, international scientific journals with non-zero impact factor according to the data of the information base of the company SciVerse Scopus.

Total of 16 scientific works, including author's association, have been published on the topic of research work. 4 of them are published in scientific publications recommended by the Committee for Control in the Field of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan, 2 is in foreign publications included in the SciVerse Scopus base, 6 in collections of materials of international scientific and practical conferences, 1 in a foreign scientific journal, 1 in the textbook and 1 in the materials of international scientific and practical conferences of far abroad countries, 1 - in the Republican scientific-practical conference.

Thus, the total number of scientific works published by PhD student R. A. Mamedov during the study is 16 articles.

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2. The level indicators of the professional readiness of future teachers to dual training Man In India, Volume 97, Issue 21, 2017, Pages 705-714. (Zholdasbekova S., Imankulova L., Nurzhanbaeva Zh.).

3. A set of factors that determine the process of professional adaptation of future specialists of dual education "Pedagogical and social problems of education." Collection of Materials of International Scientific and Practical Conf. - Cheboksara, 2019. -p.93-96. (Zholdasbekova S.A.)

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5. Modeling the process of professional adaptation of future specialists to the conditions of dual education. Bulletin of the Eurasian National University named after L.N. Gumilev. Pedagogics. Psychology. Sociology Series, No. 1 (126)/2019.- Б.68-77. (Zholdasbekova S.A.)

6. Peculiarities of the organization of mentor activity in the dual training system, journal of APS of Kazakhstan, № 1, 2019. 16-22.)

7. Features of professional adaptation of future specialists in conditions of dual education, Science and education of Kazakhstan. № 1. 2019 (73). - B.85-90. (Together with S. Zholdasbekova)

8. Bases of dual training. Study. - Shymkent: "Alem," 2017. -164 s.. (Zholdasbekova S. A., Nurzhanbayeva G. O., Tagayeva G. R.)

9. Didactic conditions of pedagogical personnel training in the university for dual training, Proceedings of international scientific and practical conf. Current Problems and Trends of Innovations in modern Science and Education"dedicated to the 60th Anniversary of Professor T.A.Turumbekov. January 26-27, 2017. Volume I. Turkestan, 2017. – Page 449-453. (Co-authored by Zholdasbekova S.A., Nurzhanbayeva Zh.O., Karatayev G.S.)

10. Conceptual field of professional adaptation of future specialists to dual training.//Znanstvena misel journal. VOL.2.№5/2017. - PAGE 22-25. (Co-authored by Zholdasbekov S.A., Parmankulova P.Zh. and others)

11. Social partnership in the system of dual education - the key to formation of labour values of future specialists. Works of the International Practical Conference "Auezov Readings-15: Third Modernization of Kazakhstan: New Cocepts and Modern Solutions," dedicated to the 120th anniversary of M. O. Auezov. Astana., 2017. - p. 258-261. (together with authors S. A. Zholdasbekova, Zh.O. Nurzhanbayeva)

12. The role of instructing in formation of special skills at dual training of future specialists. Proceedings of V International Conference «Industrial Technologies and Engineering». ICITE-2018, November28. Volume VI. M.Auezov South Kazakhstan State University, Shimkent. Kazakhstan.P.196-199 .S.Zholdasbekova,Y.Kamalov, Y. Dmitriev)

13. Problems of improvement of professional training of future specialists in the system of dual education, dedicated to the 70th anniversary, Professor S. A. Uzakbayeva "Modernization of the education system: trends, problems and prospects." Scientific and practical conf. - Almaty, 2019. - p. 202-205.)

14. Professional adaptation of future specialists in psychological-pedagogical research. "V-Orazov Readings: The Contribution of Turkic Civilization to the Development of Science and Education. Materials international - a scientific and practical conference. Volume I. -Shymkent, 2019. -p.301-305 (co-authored by Zholdasbekova S.A.)

15. Features of dual learning in inclusive college groups. Republican Scientific and Practical Conference Constitutional Reforms - Foundations of Democratic Development of Society and Global Competitiveness of Kazakhstan. - Shymkent: M. Auezov SKSU, 2017.-p.269-272 (co-authored by Zholdasbekova S.A., Beisenbayeva R.T.)

16. Bases of dual training. Work book. Shymkent: "Alem" publishing house.164 pages (together with Zholdasbekova S. A, NurzhanbayevaZh.O., Tagayeva G.Zh.)