

## ANNOTATION

**to the dissertation for getting the Doctor of Philosophy (PhD) degree  
on the specialty 6D010300 - Pedagogy and Psychology of  
Abukhanova Azhar Bazarbayevna**

**Research topic:** Development of teachers' professionalism in the context of modern educational content

**Purpose of the research:** Theoretical justification of Teachers' Professionalism Development problem in the context of modern educational content, presentation of a structural and content model, development of a methodology and experimental testing.

**Research objectives:**

- to systematize and clarify the concepts related to the problem of «professionalism of teachers» based on the analysis of research by foreign and domestic scientists;
- to clarify the stages of modern educational content and describe the features and principles of the development of teachers' professionalism, and to systematize methodological approaches;
- to identify the competencies that constitute teachers' professionalism in the context of modern educational content and the psychological-pedagogical conditions that contribute to its development;
- to develop a structural and substantive model for the development of teachers' professionalism in the context of modern educational content and to prove its effectiveness in practice;
- to diagnose the state and level of development of teachers' professionalism in the context of modern educational content, to develop a comprehensive program and methodology; to test their effectiveness experimentally.

**Research methods:**

- theoretical: theoretical analysis of philosophical, psychological, pedagogical works concerning the research problem; analysis of regulatory documents and best practices related to the field of education in the Republic of Kazakhstan; modeling;
- empirical: surveys, observations, interviews, collection and analysis of the results of teachers' activities; diagnostic methods;
- mathematical: collection of observation materials; statistical processing of data using formulas.

**The main points to be defended (confirmed scientific hypotheses and other conclusions that constitute new knowledge):**

1. The professionalism of modern teachers is a high level of professional activity of teachers, establishing subject-subject relations with students in the educational process, directing them to assess the role and place of the individual in the world, to

recognize the personality of the «Other Person» as an important value, to use the knowledge they have acquired in life.

2. The professionalism of modern teachers is based on soft skills, effective communication and personality-oriented principles, personality-oriented, acmeological, subjective-actional, systematic foundations, guided by educational paradigms that contribute to the comprehensive development of the individual.

3. In the context of modern educational content, the system of cognitive, methodological, research, and reflective competencies of teachers is the constituent mechanisms of their professionalism in accordance with their qualification categories and is implemented step by step on the basis of a structural-content model as a criterion for its development.

4. The comprehensive program «Development of modern teachers' professionalism» is developed on the basis of educational-organizational, educational-methodological, scientific-research, and strategic directions, and aims to achieve the main goal by confirming the research forecast.

**Description of the main results of the research:**

- based on the analysis of research by foreign and domestic scientists, concepts related to the issue of «teacher professionalism» were systematized and clarified;

- the updated educational, Post-COVID stages and the current state of modern educational content were described, the features and principles of the development of teachers' professionalism were established, and accordingly, personality-oriented, acmeological, subjective-actional, systematic foundations were established;

- in accordance with the qualification categories: teacher moderator, teacher expert, teacher researcher, teacher master directions and psychological and pedagogical conditions for the development of teachers' professionalism in the context of modern educational content; cognitive, methodological, research, reflective competencies were identified in accordance with qualification categories;

- components and criteria, structural and content model of the development of teachers' professionalism in the context of modern educational content were determined, and a comprehensive program and methodology «Development of modern teachers' professionalism» were developed, the effectiveness of which was proven through practical and experimental research.

**Justification of the novelty and significance of the results obtained, their compliance with the development directions of science or state programs:**

*The novelty of the first result* is evidenced by the author's definition of the concept of «professionalism of modern teachers» in determining the role of a teacher in the modern educational process in accordance with the new requirements specified in the Concept of the Development of Higher Education and Science of the Republic of Kazakhstan for 2023-2029; the Law of the Republic of Kazakhstan «On the Status of a Teacher» in implementing the goal of training competitive personnel.

*The novelty of the second result* is characterized by determining the essence of acmeological, personality-oriented, subjective-actional, systematic foundations in

clarifying the indicators related to the professional development of a teacher based on a comprehensive content analysis of foreign and domestic scientific and methodological conclusions, scientific and methodological literature.

*The novelty of the third result* is based on the description of the competencies, psychological and pedagogical conditions that contribute to the systematic organization of professional growth of teachers in accordance with the professional qualification categories in accordance with the professional standard of the Republic of Kazakhstan «Teacher» in the context of modern educational content, the effective implementation of professional goals in accordance with the necessary skills and knowledge for continuous development, and the structural and content model of the development of professionalism of modern teachers.

*The novelty and importance of the fourth result* was proven by the preparation of a comprehensive program and methodology «Development of modern teachers' professionalism» in order to combine theoretical knowledge with practice and verify their effectiveness in a practical experiment.

**Description of the doctoral student's contribution to the preparation of each publication (the contribution of the dissertation author is indicated as a percentage of the total text)**

The research results were discussed in 16 scientific works: in 2 journals included in the Scopus database; in 5 journals of the Committee for Quality Assurance in Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan; in 7 collections of materials of international conferences; 1 textbook; an author's certificate and an electronic complex program were developed, namely:

*Articles in the Scopus database*

1. Implementation of the lesson study approach to develop teacher professionalism. Cypriot Journal of Educational Sciences. –2022. – Vol.17, Iss. 2– P. 652-663 (on 2021: Cite Score -1,1, Social Sciences-36). (In the authors' association: Gulshan N, Abishev N., etc.; *doctoral student's share is 60%*). The article analyzes the ways of using the Lesson Study research method in the classroom, ways to improve the professional competence of teachers and ways to improve the quality of teaching based on the results of students' perception levels. <https://eric.ed.gov/?id=EJ1331708>

2. Association between nomophobia and learning performance among undergraduate students: the mediating role of depression and anxiety. Frontiers in Education. – 2024. –Vol. 9. – P. 794-805. (on 2022: CiteScore-2,3, Social Sciences-58). (In the authors' association: Almukhambetova B, Mamekova A. et al.; *doctoral student's share: 60%*). The article demonstrates that the detrimental effect of nomophobia on academic performance is more closely related to anxiety than to depression, contributing to understanding the complex interactions between technology use, psychological well-being, and educational outcomes in the context of higher education. <https://doi.org/10.3389/feduc.2024.1365220>.

**Scientific articles published in publications 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**

1. Teacher professionalism in the context of updating the content of education //Science and life of Kazakhstan. International scientific journal. Pedagogy. – 2019. – № 1 (74). – pp. 127-131 (*100% doctoral student's contribution*). The article analyzes the requirements for a new organization of education and, accordingly, the growth of the teacher's professional level, service level, and the ways to form a practical orientation of work readiness.

2. Contents of professional development of a teacher in the context of updating the content of education//Bulletin of KazNPU named after Abay. Series Pedagogy. – 2019. – №2(62). – P. 284-288. (*100% doctoral student's contribution*). The article systematizes the requirements for teachers in accordance with modern educational processes, the system of assessing and measuring the learning outcomes of schoolchildren, as well as the content of education that fundamentally changes the personality of a teacher.

3. The system of professional development of teachers within the school in the context of the updated educational content // Bulletin of Toraighyrov University. Pedagogical series. – Pavlodar. – 2021. – No. 4 . –344-356 pp. (*the share of the doctoral student is 100%*) The article describes the structure, content and main directions of the system of continuous education within the school, the methodological activities of the school, the work of subject-methodical associations, creative and problem groups, the system of professional development of teachers using modern interactive teaching methods and technologies, electronic educational resources in the context of the updated educational content.

4. Development of digital literacy of teachers in the context of the updated educational content // Bulletin of L.N. Gumilyov Eurasian National University. Pedagogy. Psychology. Sociology series. – Nur-Sultan. – 2022. – №1 (138).– pp. 432-440 (In the authorship of Ungarbayeva Sh.U.; *the share of the doctoral student is 80%*). This article considers the importance of developing the digital literacy of teachers in the context of the updated educational content, the use of digital educational resources in the educational process. The levels of digital competence necessary for teachers to improve the digital literacy of teachers are identified.

5. Prerequisites for training future primary school teachers for professional creative activity// Bulletin of the L.N. Gumilyov Eurasian National University. Pedagogy. Psychology. Sociology series. – Nur-Sultan –2023 –№3(144) – pp. 24-34. (In the authorship of Akhmetsapa A.E., Zholtayeva G.N.; *the share of the doctoral student: 50%*). The article analyzes current aspects of training future primary school teachers, various approaches and research in the field of pedagogical creativity in general, and considers the possibilities of preparing teachers for professional and creative activities. <https://bulpedps.enu.kz/index.php/main/article/view/285>.

## **Scientific papers published at international, and republican conferences and scientific journals.**

1. Professional development of a teacher is the basis for modernizing the education system // Materials of the international scientific and practical conference «II Kalyuzhny Readings: Innovative Directions of Social and Humanitarian Sciences». – Aktobe. –2019. – pp. 25-28. (In the authors' association: Ungarbayeva Sh.U.; *doctoral student's share: 80%*). The article considers new approaches to organizing education and the professional growth of a teacher, requirements for the level of qualification, and work on the professional development of a teacher.

2. Development of professionalism of teachers in the conditions of updated content of education// Innovative approaches in modern science” collection of articles on the materials of Liv international scientific-practical conference. - Moscow, 2019. №18 (54).- C. 8-12. (*doctoral student's share: 100%*). The article defines the composition of professional competencies of a teacher, considers the ways of development of professional competencies, personal professional qualities. <https://prepod.zhetysu.edu.kz:8058/filedata-1672153115726-550178064.pdf>.

3. Scientific organization of professional activities of teaching staff // Excellence– 2020.– Volume.12. No.2s.– P.786-791 (In the authors' association: Ungarbayeva Sh, Abishev N.; *doctoral student's share: 70%*). The article analyzes the ways of scientific organization of teachers' professional activity, retraining and professional development. <https://prepod.zhetysu.edu.kz:8058/filedata-1672157506560-4854471.pdf>.

4. Teacher professionalism: modern approaches // Materials of the international scientific and practical conference «Problems of modern education quality and spiritual renewal - orientation to the future». Bulletin of Kainar University. – Almaty 4/2 . – 2020. – 40-45 pp. (*doctoral student's share: 100%*). The article analyzes the pedagogical abilities necessary for effective performance of the main functions of a modern teacher, defines the professional competencies required of modern teachers and presents a system of new methods, techniques and skills used in the development of professionalism. <https://prepod.zhetysu.edu.kz:8058/filedata-1672155894595-638444400.pdf>.

5. The role of innovative technology Lesson Study in the development of teacher professionalism and critical thinking of students // Humanities and Education/ Scientific and Methodological Journal. Saransk, – 2021. Volume 12. No. 2. – P 7-12. (In the authors' association: Mukhitdinova R. A. Aidarkhanov A.T.; *doctoral student's share: 70%*). The article identifies the role of Lesson Study technology in the development of the professionalism of teachers and students.

6. The use of «flipped learning» technology in the development of teachers' professionalism in the context of updated educational content // Materials of the international scientific and practical conference «Future generation: practice and prospects of science and education». – Taldykorgan. I. Zhansugurov. Zhu. – 2022.– pp. 18-22. (In the authors' association: Turker Kurt; *doctoral student's share-70%*). The

article analyzes the issue of using «flipped learning» technology in the development of teachers' professionalism, using flipped classroom models in their lessons, and constantly developing their skills in collaborative learning and research, critical thinking, and creativity. <https://prepod.zhetysu.edu.kz:8058/filedata-1672158677790-755936556.pdf>.

7. Modern directions of development of pedagogical professionalism // «Psychology, pedagogy and social work: interaction of theory and practice» / Materials of the International Scientific and Practical Conference. –Karaganda, –2023. –11-15pp. (In the authors' association: Akhmetsiyanova G.A.; *doctoral student's share: 80%*). The article considers modern directions, stages, types and requirements for development of professionalism of teachers. Indicators and signs of professional creative development of the teacher are analyzed in general secondary education, relevance is proved. <https://prepod.zhetysu.edu.kz:8058/filedata-1700721548124-457002654.pdf>

### **Educational and methodological tools**

1. Fundamentals of the development of teacher professionalism. Educational tool //Recommended for publication by the decision of the Educational and Methodological Council of Zhetysu University named after I. Zhansugurov. –Taldykorgan. –2023. 126 p. ISBN 978-601-216-897-6. (In the authorship association Ungarbayeva Sh.U., *doctoral student's share -70*)

2. «Development of modern teachers' professionalism». Author's certificate. Certificate of entry of information into the State Register of Rights to Copyrighted Objects of the Republic of Kazakhstan dated October 28, 2024 No. 50814. (*doctoral student's share: 100%*).