

ANNOTATION
for the dissertation of Yerzhan Yesilbekovich
Myrzabekov submitted for the degree of Doctor of Philosophy (PhD) in the
specialty 6D010300 - "Pedagogy and Psychology"

Research topic: *Formation of the creative personality of future teachers in the process of preparing them for innovative activities*

The purpose of the study: to justify the formation of the creative personality of future teachers in the process of preparing for innovative activity theoretically and to develop a methodology for its implementation, to prove its effectiveness on the basis of experimental research.

Research objectives:

- to determine the theoretical and methodological foundations of the formation of the creative personality of future teachers in the process of preparing for innovation;
- to clarify the essence and content of the concepts as "creative personality", "innovative activity of the future teacher" and "preparation of the future teacher for innovative activity";
- to develop a structural and meaningful model of the formation of the creative personality of future teachers in the process of preparing for innovative activities;
- to develop a methodology to implement the formation of the creative personality of future teachers in the process of preparing for innovative activities and to test its effectiveness during experimental work.

Research methods:

- theoretical analysis of philosophical, psychological, pedagogical and methodological literature, as well as the concepts of natural sciences, educational standards, educational programs, textbooks and methodological manuals on research problems;
- conducting observations, questionnaires, interviews, analysis of classes;
- conducting ascertaining and formative experiments;
- mathematical and statistical processing of experimental results.

The main provisions submitted for defense (proven scientific hypotheses and other conclusions representing new knowledge):

1. A creative person is a person capable for creativity, able to think logically and outside the box, with a developed intellectual activity used to manage innovative activities. Innovative activity of a future teacher is the adoption, development, application, adaptation and development of fundamentally new models of teaching technologies aimed at improving the quality of education in order to gain new knowledge, introduce new pedagogical practices. Preparation of a future teacher for innovative activity is a holistic process aimed at adopting, developing, introducing innovations in pedagogical activity; an ability to use modern innovative methods and technologies effectively; a sustainable self-development to master and implement pedagogical innovations.

2. Methodological approaches (activity-based, systemic, personality-oriented, interdisciplinary, complex) and principles of forming creative personality of future teachers (continuous growth, reflexivity, contextuality, individualization, actualization of learning outcomes, development of educational needs) are characterized through the implementation of their preparation for innovation: motivation (creative position), intelligence (divergence, readiness for change).

3. The formation of the creative personality of future teachers in the process of preparing for innovative activities provides effective implementation of a structural and content model consisting of a set of interrelated gnostic-target, content-procedural and prognostic-evaluative components. The main blocks, formation components and criteria of the model reflect the basic structure in close relationship with each other.

4. The methodology of forming the creative personality of future teachers in preparation for innovation is implemented through the introduction into practice of the elective course "Creativity in the professional activities of future teachers", the collection of trainings "Development of creativity of personality" on the formation of the creative personality of future teachers in preparation for innovation, brainstorming ("Six hats of thinking", "The method of focal objects", "Reverse brainstorming", "Incomplete methods", etc.), interactive methods and techniques ("Stepladder", Scamper, Round Robin) and forms (workshops for divergent and convergent thinking, trainings, practices, etc.).

The main results of the study:

- theoretical and methodological substantiation of the formation of the creative personality of future teachers in the process of preparing them for innovative activities at the university;
- clarification of the essence of the main concepts of the research problem "creative personality", "innovative activity of the future teacher" and "preparation of the future teacher for innovative activity" and scientific characteristics of their content;
- development of a structural and content model that includes psychological and pedagogical conditions, components, criteria and levels of formation of the creative personality of future teachers in the process of preparing them for innovation;
- development of a methodology for the implementation of the formation of the creative personality of future teachers in the process of preparing them for innovative activities with diagnostic, theoretical, practical stages and proved its effectiveness based on the results of experimental research.

The characteristics of the main results of the study are related to the initial methodological and theoretical positions of the author, the use of a set of theoretical and empirical research methods, their compliance with the objectives of the study and the logic of the study; processing of the experimental results obtained by mathematical and statistical methods; confirmation of the research hypothesis by the results of the work.

The novelty and significance of the obtained results is ensured by the correspondence of the research content to the scientific apparatus; the reliability of the obtained data, the use of a set of research methods; systematic planning of experimental

work, the effectiveness of the initial and final indicators of the results, their comprehensive implementation.

The validity of the first scientific result is characterized by the definition of theoretical and methodological foundations and the substantiation of psychological aspects of creativity, intellectual activity of the individual and the essence of creativity, as well as the formation of the creative personality of the future teacher in preparation for innovation based on the analysis of philosophical, psychological, pedagogical literature, dissertation research on the problem of research;

The validity of the second scientific result is determined by the fact that, based on the analysis of psychological and pedagogical scientific works considering the problems of creative personality and innovation activity, the author defines and clarifies the concepts "creative personality", "innovative activity of the future teacher", "preparation of the future teacher for innovation activity";

The validity of the third scientific result is due to the development of a structural and content model of forming the creative personality of future teachers in the process of preparing for innovative activity, consisting of conceptual, technological, productive stages and the determination of gnostic-target, content-procedural, prognostic-evaluative components with appropriate indicators and levels;

The validity of the fourth scientific result is confirmed by developing the content of the elective course "Creativity in the professional activities of future teachers" and compiling a collection of trainings "Development of personal creativity", obtaining positive results in the process of testing the methodology with diagnostic, theoretical, practical stages of the formation of the creative personality of future teachers in the process of their preparation for innovation.

Compliance with the directions of scientific development or state programs.

The Law of the Republic of Kazakhstan "On Education" states: "The main task of the education system is to create the necessary conditions for education aimed at the formation and professional improvement of the individual on the basis of national and universal values, achievements of science and practice, the introduction of new technologies and innovative teaching methods, informatization of education, access to international global communication networks" and defines the tasks of further development of the education and upbringing system. To solve these problems, it is necessary that school teams, through the daily search for each teacher, move on to new practices, new relationships, a bold path of change and innovation. This process is accompanied by the introduction of specific changes in the theory of pedagogy and the educational process. Changes in various areas of the country require a new approach to education, a critical analysis of achievements, the acquisition of skills, the development of creative potential of students, a new way of organizing the activities of teachers.

Kazakhstan's entry into the world educational space requires a new direction of improving the country's education system - the training of innovative subjects of education. It is very important to identify the theoretical and methodological foundations of the formation of pedagogical creativity of university students in an

innovative educational environment as subjects of self-development and the formation of public life and to find its internal mechanisms.

The main idea of the study corresponds to the Law of the Republic of Kazakhstan "On Education", the Law "On the status of a teacher" and the implementation of the main tasks outlined in the Address of the Head of State Kassym-Jomart Tokayev to the people of Kazakhstan on September 1, 2020, in the National Project "Educated Nation" Quality Education". This, in turn, shows the relevance of the research problem.

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

According to the content of the research work, 13 articles have been published. One of them is in the publication included in the Scopus database:

1. Pedagogical conditions of formation of creativity at future teachers. Skopus. Opción, Año 35, Regular No.90 -(2019): -790-814 ISSN 1012-1587/ISSNe: 2477-9385. <https://doi.org/10.29333/iejme/3997> (A.Zholdasbekov, A.Septemirova, E.Myrzabekov, Y.Kozybaev, K.Zholdasbekova, G.Mussabekova.60%). The article considers that the formation of creativity of future teachers is realized on the basis of specially specified pedagogical conditions.

4 articles have been published in the publications recommended by the Quality Control Committee in the field of education and science:

2. psychological and pedagogical specifics of the development of creative personality of students. Scientific journal "Bulletin of Yasavi University". - Turkestan.- 2019. - №1 (111). Pp.102-109. ((Co-Author A.A.Zholdasbekov. 60%). The article examines the characteristics of the development of the creative personality of university students in a psychological and pedagogical context, reveals their features.

3. the place of creative psychology in the professional training of the future Bachelor. "Science and life of Kazakhstan". International Scientific Journal. - Shymkent. -2020.-p.150-152. (Co-author J.S.Sikhynbayeva. 70%). The article pays special attention to the consideration of psychological factors in the process of professional training of future bachelors at the university. The psychological functions of the formation of the creative personality of students are also characterized.

4. The concept of creative potential in the psychological and pedagogical aspect. Science and life of Kazakhstan. International Scientific Journal. - Almaty. -2020. -No. -5/4. -pp.157-161. (Co-Author Zh.S. Sikhynbaeva 60%). The article considers the formation of students' creative potential in the context of psychological and pedagogical aspects. The problem of creative personality is especially characterized.

5. Improving the creative personality of students on the basis of updated learning. Science and life of Kazakhstan. International Scientific Journal. - Almaty. - 2020. - No.5/4.-B.161-165. (Co-author J.S.Sikhynbayeva. 70%). The article outlines the problems of raising (what?) based on updated education in modern general education institutions.

3 articles have been published in the materials of foreign and domestic international conferences:

6. Creativity and activity of the individual are the main factors of spiritual revival. Materials of the International scientific and practical conference dedicated to the 30th anniversary of the Department of Psychology of Al-Farabi Kazakh National University. Modern world psychology. - Almaty. -2018. -p.162-164. (Co-author A.A.Zholdasbekov. 60%). The article describes the creativity and activity of the personality of the future teacher in the context of spiritual rebirth, examines the main factors of its formation.

7. Psychological and pedagogical bases of creative development of future teachers. Materials of the international scientific and practical conference. Syrdarya University. - Zhetisai. - 2018. - pp.138-142. (Co-authors A.A.Zholdasbekov, A.Zh.Septemirova, Z.E. Shagataeva.50%). The article describes the problems of developing the creativity of future teachers in a psychological and pedagogical context, discusses specific theoretical problems.

8. Increasing the creativity and activity of students in the framework of spiritual modernization. "Materials of the International Scientific and Practical Conference "Modernization of the education system: trends, problems and prospects". KazUMO and MYA named after Abylai Khan -Almaty, -2019. - pp.558-561 (Co-author A.A.Zholdasbekov.70%). The article deals with the problem of increasing the creativity and activity of students.

9. Modern interactive and creative educational learning technology. Materials of the international conference "Actual problems of natural science and natural science education" November 7-8. - Kyzylorda. -2019. - pp.212-214. (Co-author A.A.Zholdasbekov. 70%). The article discusses modern interactive teaching methods in the context of the problem of increasing creativity. In particular, educational technologies are described in order to increase creativity.

10. Technology and methods of formation of creative thinking of students. Tashkent State Pedagogical University named after Nizami. -Tashkent. - 2020. - p.34-37. (Co-author D.I. Ruzieva. 60%). The article highlights the problem of implementing technology and methods of forming students' creativity, taking into account the function of creative thinking.

11. Development of creativity of future teachers in the process of preparing for innovative activities. International conference "Kuatbekov Readings-1" dedicated to the 30th anniversary of Independence of the Republic of Kazakhstan. - Shymkent. - 2021. - pp.168-171. (100%). The article discusses the development of creativity of future teachers in the process of preparing for innovation. Special pedagogical conditions are also described.

12. The possibilities of professional training of future teachers for innovative activities in the formation of creativity. International Scientific and Practical Conference: Science and Innovation. - Poland. - 2021. - pp. 26-29. (100%). The article considers the formation of creativity of future teachers taking into account their innovative activities in vocational training as a key issue.

13. Innovative processes in pedagogical education as a basis for the development of creativity of the future teacher. International Scientific and Practical Conference: Issues of Education and Science. - Russia. - 2021. - pp.112-115. (100%). The article considers the key role of the innovative process of pedagogical education in the development of creative abilities of future teachers.