

Report about the work of the dissertation Council

Dissertation Council in the direction 8D015-Training of teachers in natural science subjects (6D011300/8D01513 – Biology) at the Abai Kazakh National Pedagogical University

1. Data on the number of meetings held

The dissertation Council at the Abai Kazakh National Pedagogical University in the direction 8D015-Training of teachers in natural science subjects (6D011300/8D01513 – Biology) held 3 meetings of the council in the reporting year.

2. Surnames, first name, patronymic (if any) of members of the dissertation Council who attended less than half of the meetings.

There are no council members who have attended less than half of the meetings.

3. A list of doctoral students with an indication of the organization of training.

1. Aiman Nurgaliyeva, Abai Kazakh National Pedagogical University;
2. Arailym Amantayeva, Abai Kazakh National Pedagogical University

4. A brief analysis of the dissertations considered by the council during the reporting year, highlighting the following sections:

Nurgalieva Aiman

Dissertation topic: Scientific and methodological bases of practice-oriented education of biology students in the conditions of modernization of higher pedagogical education.

Specialty: 6D011300 – Biology.

The dissertation was completed at the Abai Kazakh National Pedagogical University.

The language of protection is Kazakh.

Date of protection: August 31, 2022

Scientific consultants:

Childibayev Dzhumadil – Doctor of pedagogical sciences, professor, Abai Kazakh National Pedagogical University.

Sumatokhin Sergey – Doctor of pedagogical sciences, professor, Moscow City Pedagogical University, Moscow, Russia.

The formation of the methodological basis for teaching biology students of the university as a qualified person in accordance with the updated educational programs is an urgent problem facing pedagogical education. The place and specifics of pedagogical practice in the training of future specialists, the formation of professional and personal skills and abilities among students are specific prerequisites for decisive activity. In the conditions of modernization of pedagogical education, a doctoral student, analyzing in his dissertation the new mechanisms of the problem of education in connection with the definition of scientific and methodological foundations of practice-oriented teaching of biology students, it can be noted that during the research it was possible to obtain important theoretical and

practical results recognized as scientific achievements in the implementation of the goals and objectives:

The first result: the results of the analysis of the theoretical foundations of practice-oriented teaching of biology students are presented.

The second result: a structural and content model of the formation of pedagogical practice-oriented professional training of biology students has been developed.

The third result: a meaningful system of pedagogical practice has been developed. And also for conducting pedagogical practice on the basis of the developed content system, an educational and methodological manual has been prepared.

The fourth result: analytical work was carried out with the conclusions of the experimental study, the analysis of the data obtained was carried out.

The results obtained are aimed at identifying the scientific and methodological foundations of teaching biology students in practice in the conditions of modernization of higher pedagogical education. The results obtained in the course of theoretical and practical research are relevant, interrelated and fully reveal the essence of the scientific forecast of the study.

The results obtained in the course of theoretical and practical research do not contradict each other, are interrelated and fully reveal the essence of the leading idea of the study. And their reliability is provided by scientifically based pedestals in the process of solving the problem under study.

The results of the study can be widely used in the system of general education, higher educational institutions, institutions of secondary vocational education.

Arailym Amantayeva

Dissertation topic: Methodological foundations for the formation of environmental competence of future teachers of biology (on the example of project technology).

Specialty: 6D011300 – Biology.

The dissertation was completed at the Abai Kazakh National Pedagogical University.

The language of protection is Kazakh.

Date of protection: August 31, 2022

Scientific consultants:

Childibayev Dzhumadil – Doctor of pedagogical sciences, professor, Abai Kazakh National Pedagogical University;

Stankevich Petr - Doctor of pedagogical sciences, professor. The Herzen State Pedagogical University of Russia, Saint-Petersburg, Russia.

The aggravation of the global environmental situation, global climate warming, environmental disasters and crises are worrying the inhabitants of the Globe at an unprecedented level. In the message of President K. K. Tokayev to the people of Kazakhstan dated September 2020, expressing concern about these issues, it says: "the protection of the environment and the protection of biological diversity is a priority task for our country. The public of the entire civilized world is dealing with this issue. In turn, it is impossible to break away from such a mass process in

the field of education. It is necessary to pay enough attention to the environmental education of the younger generation in schools and universities." The relevance of the topic is due to the fact that the analysis of published scientific papers, regulatory documents on research work has shown that the problem of the formation of environmental competence of future biology teachers is relevant in higher education and is one of the main problems of the formation of professional methodological skills of a future specialist.

The paper obtained new and reliable results, such as:

The first result: the concept of ecological competence of future biology teachers has been clarified.

The second result: the formation of ecological competence of future biology teachers is theoretically and methodologically justified by the example of design technology.

The third result: a structural and meaningful model of the formation of environmental competence of future biology teachers has been developed.

The fourth result: a methodology for the formation of environmental competence of future biology teachers has been developed and experimental testing has been carried out in order to verify its effectiveness.

The results obtained can be evaluated as a way to solve the urgent problem of the formation of environmental competence of future biology teachers. And their importance is determined by the need for an effective methodology for the formation of environmental competence in the training of future biology teachers.

The results obtained in the course of theoretical and practical research are interrelated and their evidence is characterized by scientifically based arguments in the course of solving the problem under study. This research work and the results obtained contribute to the theoretical and methodological development of the process of training future biology teachers.

5. Analysis of the work of official reviewers (with examples of the most substandard reviews).

The reviewers of the dissertations were appointed by Russian scientists who have made a significant contribution to research in the field of biology, theory and methodology of teaching biology.

When appointing reviewers, scientific consultants and the condition of independence of reviewers were taken into account.

The reviewers professionally analyzed the PhD dissertations. In their comments, the reviewers emphasized the theoretical and practical validity of the research results, made consistent conclusions and regularly gave comments and suggestions. There were no negative reviews of dissertations.

Information about the reviewers of the defended dissertations:

According to the dissertation of *Nurgalieva Aiman*:

Tuleukhanov Sultan – Doctor of Biological Sciences, professor, al-Farabi Kazakh National University.

