

REPORT about the work of the Dissertation Council

Dissertation Council in the direction 8D015-Training of teachers in natural science subjects (8D01510-Chemistry) at the Abai Kazakh National Pedagogical University

1. Data on the number of meetings held

In the dissertation council at the Abai Kazakh National Pedagogical University in the direction 8D015-Training of teachers in natural science subjects (8D01510-Chemistry), 1 meetings were held in the reporting year (from 01.01.2023 to 12.31.2023)

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

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

3. A list of doctoral students indicating the organization of training.

Kurmangalieva Nurgul Aitbayeva, Abai Kazakh National Pedagogical University;

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

According to the dissertation of *Medetbayeva Salima Adambekovna*:

1) *analysis of the subject of the reviewed works*;

The topic of the dissertation: The use of information and computer technologies in game chemistry teaching

Specialty: 8D011200-Chemistry

Scientific consultants: doctor of pedagogical sciences, professor Akhmetov N.K., doctor of pedagogical sciences, professor Shiyan N.I.

The defense took place on March 15, 2023.

New and reliable results have been obtained in the work:

for the first time, a model has been developed for the formation of the readiness of future chemistry teachers to use information and computer technologies in game training in the unity of conceptually-targeted (approaches, tasks, principles of formation of the readiness of future teachers to use information and computer technologies in game chemistry training), content-procedural (content content of the disciplines "Analytical Chemistry", "General Chemistry", "Active Learning Methods"; stages, forms, methods and means of readiness of future teachers to use information and computer technologies in game chemistry teaching) and reflexiveevaluative (criteria, indicators, levels and result of readiness of future teachers to use information and computer technologies in game chemistry teaching) blocks;

- pedagogical conditions for the implementation of the developed technology have been identified (motivation of future chemistry teachers to play activities; provision of subject-subject interaction between the teacher and students; development of information and computer technologies, in particular educational computer games of an open educational environment);

development of information and computer technologies, in particular educational computer games of an open educational environment);

- improved content and methodological support of the process of formation of the readiness of future chemistry teachers to use information and computer technologies in game training; clarified the essence of educational computer games, their role and place in the educational process; criteria and indicators of the formation of the readiness of future chemistry teachers to use information and computer technologies in game training

2) *the connection of the topic of the dissertation with the directions of science development, which were formed by the Higher Scientific and Technical Commission under the Government of the Republic of Kazakhstan in accordance with paragraph 3 of Article 18 of the Law "On Science" and (or) state programs;*

"Just state. United Nation. Blessed society" address of the head of state Kassym-Jomart Tokayev to the people of Kazakhstan (September 1, 2022); Concept for the development of Information and communication technologies and the digital sphere (No. 961, December 30, 2021); The concept of education development of the Republic of Kazakhstan for 2022-2026 (No. 941, November 24, 2022); The Strategic Development Plan of the Republic of Kazakhstan until 2025 (No. 521, February 26, 2021).

3) *analysis of the level of implementation of the results of dissertations in practice*

Determination of methods of using the developed structural and content model in the context of integration of components of the digital educational environment of a digital pedagogical university, the use of the digital educational environment of a pedagogical digital university in educational, extracurricular, measuring and control, research and organizational management activities.

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

The reviewers were scientists who have made contributions in the fields of chemistry science and pedagogical of education.

Information on the reviewers of the dissertation of. *Medetbayeva S.A.:*
Jussubaliyeva Dina Muftakhovna – doctor of pedagogical sciences, professor. University of International Relations and World Languages. Abylai Khan (Almaty, Kazakhstan) (speciality code 13.00.01)

Masnova Alma Tulegenovna – doctor of Chemical Sciences, Professor. Institute of Fuel, Catalysis and Electrochemistry named after D.V.Sokolsky (Almaty, Kazakhstan).

6. Proposals for further improvement of the scientific personnel training system. in the development of a set of educational computer games "Electronic formula", "Determine who it is?/what is it?", "Analytical Lotto", adapted to the current educational programs "6B01510 - Chemistry", "6B01513 - Biology", "7M01510 – Chemistry", methodological recommendations for the implementation of individual and group projects on the use of information and computer technologies in game chemistry teaching, methodological support for

