

Report on the work of the dissertation council
Dissertation Council 6D071800 - "Power Engineering" at NAO "KazNRTU named after K.I. Satpayev" in the specialty 6D071800 - "Electric power industry" for 2021.

The report contains the following information:

1. Data on the number of defense meetings held:
1 meeting was held:
- a meeting on the defense of a doctoral dissertation for the degree of Doctor of Philosophy (PhD) by Shakenov Kalizhan Bakhytzhanovich on the topic "Improvement of a closed-type wind power plant in combination with the use of solar energy" was held on April 28, 2021;
2. There are no members of the dissertation council who attended less than half of the meetings.

3. List of doctoral students indicating the organization of training. Shakenov Kalizhan Bakhytzhanovich KazNRTU named after K.I. Satpayev 2014-2017
4. In the reporting year, the dissertation of Shakenov Kalizhan Bakhytzhanovich was considered on the topic "Improvement of a closed-type wind power plant in combination with the use of solar energy";

1) The dissertation work of Shakenov Kalizhan Bakhytzhanovich is devoted to the topical issue of renewable energy sources - wind sources and solar energy.

2) The topics of dissertations are included in the state and regional scientific and technical programs, which are 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;

3) The significance of the study is the possibility of using the scientific results of the dissertation in the production of closed-type wind power plants (VWT) for local energy supply in combination with the use of wind and solar energy. The proposed technical solutions were used in the manufacture of a laboratory sample of a closed-type wind power plant with a horizontal axis of rotation of the wind turbine in the laboratory at the Department of Energy of KazNRTU named after K.I. Satpayev. The practical significance of the work is confirmed by the act of introduction into the educational process of the department "Energy" KazNRTU named after K.I. Satpayev. The results of the work are used in the classes of the disciplines: "Renewable energy sources", "Alternative energy", "New and renewable energy", "Renewable energy" for specialties 5B071800, 6M071800 - "Electric power industry". An act of introduction into the educational process of the Kazakh National University named after al-Farabi, at the department of "Plasma Physics, Nanotechnology and Computer Physics" of the Faculty of Physics and Technology, was received. The results of the research are used in lectures and practical classes in the following disciplines: "Alternative Energy", "Unconventional and Renewable Sources of Electricity", "Wind Energy", read for the specialty 5B071800 - "Power Engineering";

5. The official reviewers elaborated on all the important points of the dissertation and recommended the work for defense.

6. There are no proposals for further improvement of the system of training scientific personnel.

7. The number of dissertations for the degree of Doctor of Philosophy (PhD), Doctor in profile by specialty (training areas):

- 1) dissertations accepted for defense (including doctoral students from other universities) - no;
- 2) dissertations withdrawn from consideration (including doctoral students from other universities) - no;

- 3) dissertations for which negative reviews were received from reviewers (including doctoral students from other universities) - no;
- 4) dissertations with a negative decision based on the results of the defense (including doctoral students from other universities) - no.

Chairman of the dissertation council

A. Bekbaev



Assel A. Zhumatova

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Seal date "21" January 2021