Author's information

1. Surname, first name:

Kozhamkulova Zhazira.

2. Position, academic degree, title:

candidate of physical and mathematical sciences, associate professor of ATU, academician of the International academy of sciences of pedagogical education (IASPE).

3. Education:

- Kazakh state women's pedagogical university, faculty of physics and mathematics, diploma IV № 0013495 dated June 28, 1996, specialty - "Mathematics-Computer Science";

- diploma of candidate of physical and mathematical Sciences № 0007200 dated June 30, 2011 of the Higher Attestation Commission of the Ministry of Education and Science of the Republic of Kazakhstan, specialty 01.02.04 – "Mechanics of deformable solids body";

- academician of the IASPE, March 17, 2019.

4. Area and directions of research, including participation in scientific projects with a brief description of the results of the study:

Area and directions of research:

- mechanics of deformable solids, information systems.

Participation in scientific projects:

- performer, researcher of 2012-2014 research on the scientific project "Comprehensive study of fluctuations in the territory of Almaty, its high-rise buildings with the construction of a regional

new shaking map by the finite element method", project manager, doctor of technical sciences, professor R.B. Baymakhanov.

Results:

a method of searching for missing seismological information between foci about the energy classes of strong earthquakes has been developed. A vertical section of the lithosphere of the Northern Tien Shan with a thickness of up to 60 km in the direction from Kapshagai to the opposite shore of Issyk-Kul was modeled on a large scale. Ultimately, to ensure the seismic safety of Kazakhstan's development, maps of seismic shocks during 6, 7, 8, 9 and 10-point earthquakes and their recurrence periods were constructed for the first time. 100, 200, 300, 500, 700, 1000 and 5000 years. Efficiency and scope of application: used in the field of engineering structures.

5. List of the most significant publications (monographs, patents, developed standards):

1. Information and communication technologies as a means of enriching the field of spiritual and moral values of students. Materials of the Republican scientific and practical conference "modern information and communication technologies in Education, Science and practice" within the framework of the third modernization of Kazakhstan. May 16, 2018. Almaty. pp. 23-25;

2. The role of the web site in scientific and educational activity. Materials of the Republican scientific and practical conference "modern information and communication technologies in Education, Science and practice" within the framework of the third modernization of Kazakhstan. May 16, 2018. Almaty. Page 48-50;

3. The role of the web site in scientific and educational activity. Materials of the Republican scientific and practical conference. May 16, 2018. Almaty. Page 78-81;

4. Professional development of teachers taking into account the competence-oriented content of education. Teacher's professionalism: essence, content, prospects of development. Materials of the international scientific and practical conference on March 15-16, 2018, Part 1. Moscow. pp. 110-116;

5. Object-oriented systems as a factor in the formation of information and logical competence of future specialists. Teacher's professionalism: essence, content, prospects of development. Materials of the international scientific and practical conference on March 15-16, 2018, Part 1. Moscow. pp. 12-17;

6. Object-oriented systems as a formation factor of informative logical competence of future specialists. Bulletin of the Kazakh state women's Pedagogical University.
№3 (75) 2018. 73-82 pp.;

7. Technology for the introduction of critical thinking on a new educational program in the education system of Kazakhstan. International scientific and practical conference "Teacher's professionalism: essence, content, development prospects", Moscow, 2019. pp. 396-401;

8. The task of building an optimal information structure Systems of hierarchical structure. Bulletin of KazNPU Physical Mat Series. 2020. No. 1;

9. Identification of various situations of biotechnological production and identification of permissible methods of permits. Bulletin of KazNPU Physical Mat Series. 2020. No. 4. pp. 36-42;

10. An algorithm for obtaining an optimal guaranteed result for objects with extreme states. Bulletin of KazNPU Physical Mat Series. 2020. No. 4;

11. Application of machine learning to detect depression-related texts in social networks. Advanced computer science for computer research. 4th International Conference, ICAICR 2020, Gurugram, India, December 26-27, 2020, pp. 161-169.
https://link.springer.com/chapter/10.1007/978-981-16-3660-8_15;

12. Abnormal event detection in indoor environment based on acoustic signal processing. Journal of theoretical and Applied Information technology. 31 may, 2021. Vol. 99. N 10. ISSN: 1992-8645. p.2192-2205. http://www.jatit.org/.

6. Scientific internships:

- Newcastle University (Newcastle, UK, 2013);

- Concord Academy, (France, 2015);

- IASPE (Moscow, Russia, 2019).

7. Achievements in research and teaching activities (awards):

- awarded the medal of KazNWPU "Kurmet ordeni", 2014;

- awarded the medal of the Association of Higher Educational Institutions of the RK named after Akhmet Baitursynov for outstanding achievements in the preparation of textbooks for higher educational institutions, 2014;

- Grant of the Ministry of education and science of the RK "The best university teacher", 2014.

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