



**Karymsakova Anara Eralkanovna**

**Position:**

acting as an associate professor of the Department of Computer Science

**Contact details:**

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**Academic degree, scientific school:** Candidate of Pedagogical Sciences - Decision of the OGPU dissertational council from 15.12.2005, protocol No. 192 (Diploma No. 173130); By the decision of MES of the Republic of Kazakhstan dated 23.07.2008, protocol No. 8 (re-certification) (Diploma FKA No.0000009).  
**Science School:** Orenburg State Pedagogical University

**Research interests:**

Information technology in education. Pedagogical design.

**International projects:** HiEdTech (Erasmus+)

**Research Grants-no**

**Courses taught:**

1. ICT
2. Introduction to Python Databases
3. Introduction to Lazarus Databases
4. Computer systems and networks
5. Security of information systems

**Author's courses:**

1. ICT

**Professional experience:**

**2016 -** Acting Associate Professor, Department of Computer Science, L.N. Gumilyov Eurasian National University

**2015-2016 –** Senior Lecturer, Department of Computer Science, L.N. Gumilyov Eurasian National University

**2011-2015-** Senior Lecturer, Department of Information Systems and Applied Mathematics, S. Baishev Aktobe University.

**2006-2011-** Associate Professor, Department of Computer Science, Almaty Academy of Economy and Statistics.

**2003-2006-** Senior Lecturer, Department of Natural Sciences", Aktobe Branch of Almaty Academy of Economy and Statistics.

**2000-2003-**Lecturer of the Department of Humanitarian and Natural-Scientific Disciplines", Aktobe Branch of Almaty Academy of Economy and Statistics.

**1999-2000 -** Teacher of the Fundamentals of Informatics and Computer Science and the Fundamentals of Entrepreneurship in Secondary School No. 4 in Aktobe

**Publications:** (selected in chronology from 2022)

1. Aesthetic education: a conceptual framework of teaching mathematics using the open-source software. Journal of Theoretical and Applied Information Technology, 31st May 2022. Vol.100. No 10.
2. «An introduction to programming Lazarus and mySQL»: An educational manual / A.E. Karymsakova, A.B. Zakirova. - Nur-Sultan: L.N.Gumilyov Eurasian National University 2021. – 169 p.
3. Критериалды бағалау педагогикадағы заманауи бақылау-бағалау қызметі ретінде. Вестник ЕНУ им. Л.Н.Гумилева, № 2(135)/2021, Серия: Педагогика. Психология. Социология., Нур-Султан, С. 96-106.
4. Мектепте информатика пәнін оқыту шеңберінде критериалды бағалауды қолдану тәжірибесінен. Казахский национальный педагогический университет имени Абая, ВЕСТНИК, Серия «Физико-математические науки», №3 (75), 2021 г. С. 189-196.
5. Educational information portals as an additional resource for teaching computer science in secondary schools. Научный журнал Торайгыров университета ВЕСТНИК, Физико-математическая серия № 3 (2021). С.38-48.
6. Авт.право -Интерактивное цифровое решение на дополненной реальности по предмету физика. Программа для ЭВМ, № 21467 от 29.09.2021.
7. Авт.право -Цифровые образовательные ресурсы «Инновационный менеджмент» для специальностей по направлению подготовки кадров «Бизнес, управление и право». Программа для ЭВМ, № 13181 от «13» ноября 2020 года.
8. Automation of business processes at the enterprise during a brand formation. Ad Alta: Journal of Interdisciplinary Research, Ad Alta: Journal of Interdisciplinary Research, Vol. 9, 2019
9. Creating and Using Mobile Physics and Mathematics Applications in the Learning Process as One of Teaching Methods to Increase the Quality of Student's Knowledge. EURASIA Journal of Mathematics, Science and Technology Education, № 14(12), em 1646, 2018.