



**Kalmanova**

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**Professional experience:**

2002-2004 – teacher assistant of "Physics and electrical engineering" department at Aktau State University named after Sh. Yesenov

2004-2006 – teacher of "Physics and electrical engineering" department at Aktau State University named after Sh. Yesenov

2006-2009 – senior lecturer of "Physics and Informatics" department at Caspian State University of Technology and Engineering named after Sh. Yesenov

2009- 2016 - Caspian State University of technology and engineering of the name Sh. Yesenov, Associate Professor "Informatics and natural-science disciplines" department

2016-2017 - Senior lecturer of "Physics and Chemistry" department at [KazATU](#) named after S.Seifullin

From September, 2017 and till today - Senior lecturer of "Space technique and technologies" department at [L.N. Gumilyov ENU](#).

**Scientific degree, scientific school:**

2003-2007 - Aktau State University named after Sh. Yesenov, speciality number 13.00.01 - General pedagogics, history of pedagogics, ethnopedagogics. Republican Center for Education Informatization (2003-2005, Almaty c.).

Candidate of Pedagogical Sciences, specialty 13.00.01 - General pedagogy, history of pedagogy and education, ethno-pedagogy, thesis defended at Atyrau State University named after M. Dosmukhamedov on the topic "Pedagogical conditions for the formation of cognitive interest of students with the use of electronic textbooks" (2009).

**Scientific interests:**

Innovative education in higher education

**Publications (selected):**

More than 35 articles in science magazines and international conferences publications.

System of organizationally-pedagogical work on forming of cognitive interest students with the use of electronic textbooks. Scientific magazine "Researcher" №№ on March-April, 3-4 (35-36) 2009 pages 41-46

Innovative education at Institution of higher learning. Collection of materials of VII of international research and practice conference "advance of science on the border of millennium-2012", p.30, 2012г. Czech Republic, Prague. ISBN 978-966-8736-05-6

Two mechanisms of diffusive migration of atoms of hydrogen are in OCK-metals. Magazine "Search" №2 (3), 2014, p. 181-186  
"Ways of increase at students' interest in the decision of physical tasks" Announcer of Academy of Kokshe. 2015 (№ 4), Kokshetau

"Technologies of education. Effective methods of educating". A scientific magazine "Open education", Kokshetau

Combined forms of training as an effective method of innovative education. Collection of materials of the VI International Scientific and Practical Conference "Interactive trends in the development of education"Cheboksaryc., 2017 ISBN 978-5-9909609-5-4, RICS, p.280

Intelligent mechanism of hiding cryptographically protected communication channel, Труды международного симпозиума «надежность и качество», 2- том, Пенза:2018 С.- 25-26