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Education, scientific degree and title:

Ph.D. in Chemistry, speciality – 02.00.01 –inorganic chemistry, 1988.

Research interest:

Physico-chemical analysis of multicomponent systems, monitoring of physical and chemical composition of natural water. Development of methodical content of electronic multimedia textbooks on general and inorganic chemistry for students of non-chemical specialties. Current issues of inorganic chemistry.

Delivered courses:

Theoretical foundations of Inorganic Chemistry. Chemistry elements. Teaching methods of chemistry in high school. Periodic Law as the basis of the chemical systematics.

Author's courses:

Acids and bases theories. Chemistry of biogenic elements. The methodology and modern teaching technology of general and inorganic chemistry.

Professional experience:

1997 – 2020 – Associate Professor of chemistry chair, Faculty of Natural Sciences after L.N. Gumilyov

1992 – 1997 – Head of the chemistry chair, Akmola Pedagogical Institute

1987 – 1992 – Lecturer of the Biochemistry Department, Tselinograd Agricultural Institute

1985 – 1987 – Junior researcher of chemistry faculty, Al-Farabi Kazakh National University

1982-1985 – Graduate student of Chemistry Faculty, Al-Farabi Kazakh National University

1980-1982 – Laboratory of Nonorganic Synthesis Institute of Chemistry of The Ministry of Education and Science of the Republic of Kazakhstan

Professional development:

May 2013 – advanced training of pedagogical workers

Paris, France «The XXI Century Science. Questions of Modern Universities».

Main Scientific works:

40 scientific and methodical co-authored works was published, after defending a dissertation - 30, 1 copyright certificate of the USSR.

1. About the interaction of some inorganic acids and thiosemicarbazide. News of Academy of Sciences. Chemistry series. Almaty. – 1987. 2. – 9-12 p.p. (Co-authors: Nurahmetov N.N., Tashenov A.K.)

2. The raw material mixture for the production of wall ceramic products. Certificate of authorship USSR. №1353757 from 22.07.1987. (Co-authors: Nurahmetov N.N., Tashenov A.K., Saibulatov S.Zh., Backo R.S.)

3. Solubility of urea, thiourea and acetamide in a solution of hexafluorosilicic acid. The journal of inorganic chemistry. – Moscow. 1987. - V.32. №1. - 256-259 p.p. (Co-authors: Nurahmetov N.N., Tashenov A.K.)

4. The crystal and molecular structure of urea composition hexafluorosilicic acid 2: 1. Crystallography. – Moscow. 1988. V.33. – II Edition – 509-510 p.p. (Co-authors: Gubin A. I., Buranbayev M. Zh., Nurahmetov N.N., Tashenov A.K.,)

5. Thermal analysis of some of the compounds of amines with tetrafluoroboron acid. The journal of general chemistry. - Moscow. 1990. - V.60. X Edition. - 2332-2337 p.p. (Co-authors: Nurahmetov N.N., Tashenov A.K.,)

6. Creation of electronic educational complex in general chemistry based on a program MACROMEDIA FLASH 8. Ualihanov readings -15: materials. International scientific-practical conference. Kokshetau, 2011. V.6. - 85- 89 p.p. (Co-author: Ergesbayeva S.)