



Yerkassov Rakhmetulla

Doctor of chemical sciences, professor of Chemistry Department of L.N.Gumilyov Eurasian National University

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Experience:

Since 2009 professor professor of Chemistry Department of L.N.Gumilyov Eurasian National University.

2006 - 2009 - Regional Director of Chemical Engineering Complex, Head of Department of Chemistry and Chemical Technology of the Pavlodar State University named after S.Toraygirov.

2005 - 2006 - Dean of the Technical-natural of L.N.Gumilyov Eurasian National University.

2001 - 2005 – first vice-rector of Sh.Ualikhanov Kokshetau State University.

1997 - 2001 - vice-rector L.N.Gumilyov Eurasian National University for research and international relations.

1994 - 1997 – head of faculty of inorganic chemistry of KazNU named after al-Farabi. 1992 - 1994 - professor, 1980 - 1992 – assistant professor, 1978 - 1980 год – senior lecturer, 1976 - 1978 – assistant, 1973 - 1976 - postgraduate, 1971 - 1973 - trainee – researcher of faculty of inorganic chemistry of KazSU.

Scientific internships and awards:

Institute for advanced studies at MSU (1986).

Internship at university of New Mexico (USA, 2005).

Internship at institute named Gustav Rossi (France, 2012)

In 2007 was awarded by the badge of MES "For merits in development of science."

Winner of the state grant "The best university teacher" in 2010

State grants to scientists who have made outstanding contributions to the development of science and technology of RK (2014)

In 2021 was awarded by the medal «25 years of Eurasian University»

Scientific degree, scientific school:

Kazakh State University named after S.M.Kirov (1971), Faculty of Chemistry, department of inorganic chemistry, specialty "Chemist. Chemistry teacher". Graduate school of Kazakh state university named after S.M.Kirov. Doctor of chemical sciences (1992).

Doctoral dissertation defended at the Voronezh State University (VSU). Professor (1993), Academician AS of RK (2006)

Research interests: inorganic chemistry, physical-chemistry analysis of multicomponent systems, chemistry of coordination compounds, including spin crossover compounds.

Scientific grants:

- Supervisor of grants of MER RK by the project: Developing basics of obtaining coordination compounds of s- and d- metals with protonated amides having a physiological activity. 1996-1999;

- Preparation of masters in specialty: the environment (engineering protection and environmental management), together with the University of New Mexico (ENU ENU); The period 2005-2009.

- responsible performer of theme: Design and creation of composite wind electric generating set with diffuser (in Kokshetau State University named after Sh.Ualihanov 2005 RK Science Fund program;

- project performer on theme: Development of technology for obtaining of ferrites REE, alkali, alkaline earth and transition metals. (State registration number 0102RK 00156) and the new semiconductor and ferroelectric materials based on manganese oxide (III). 2004-2007. (State registration number 0103RK00172).

- project performer on theme: A study of the role of natural plasmids in microbiology biodegradation of oil contamination 2012-2014 (State registration number 0112PK02355)

- project performer on theme: Design of a method for producing and standardization of national remedies against avian influenza from plant raw materials. 2015-2017. (State registration number 0115PK01418)

- Supervisor of the project on theme: Design of scientific bases of synthesis of coordination compounds of salts of d- and s- metals with amides in acidic environment, having biological activity and establishment of their dependence "structure - property". 2012-2014 (State registration number 0112PK02354).

- Supervisor of stipend holders of international federation of Switzerland's scientists - World Federation of Scientists: 2009-2015

Author courses:

Basics of Chemistry of complex compounds, Selected chapters of chemistry of complex compounds; Modern problems of inorganic chemistry; Chemistry of perspective inorganic compounds and materials; Chemistry of transition metals; Chemistry of precious metals; Kinetics and mechanisms of complex compound reactions; Theory and problems of physical chemistry; Modern approach to investigation of chemical composition and structure of compounds and materials; Methods of forming of complex in analytical chemistry; Modern physical and chemical methods of investigation of compounds and materials; Spin transition of complexes of transition metals.

Publication (selected):

450 and more articles in scientific journals and publications of international conferences.

More than 70 articles of them in peer-reviewed international scientific journals on the basis of THOMSON REUTERS

1. Tetraethylammonium dicyanido(5,10,15,20-tetraphenylporphyrinato)-ferrate(III) dichloromethane monosolvate // Acta Crystallographic. -2013.-E69, m462-m463. - sup-1-13
2. Solubility in the $ZnCl_2 \cdot CO(NH_2)_2 \cdot HCl \cdot H_2O$ System at 25°C // Russian Journal of Inorganic Chemistry. 2013.- Vol.58. No.2.- pp.213-215
3. Synthesis, structure, and growth-promoting activity of 1-alkyl-4-(3-naphthyloxyprop-1-ynyl)piperidin-4-ols // Russian Chemical Bulletin, International Edition. 2013.- Vol.62.- No. 11.- pp.2442-2444
4. Interaction in the Zinc Bromide-Carbamide-Hydrobromic Acid - Water System at 25°C // Russian Journal of Inorganic Chemistry. 2014.- Vol.59. No.8.- pp.872-876
- 13 Interaction in the Manganese sulfate-Carbamide-Sulfuric Acid - Water System at 25°C // Russian Journal of Inorganic Chemistry. 2014.- Vol.59. No.6.- pp.606-608
5. Spin Crossover in Tetranuclear Fe(II) Complexes, $\{[(tpma)Fe(\mu-CN)]_4\}X_4$ (X = ClO_4 , BF_4^-) // Inorg. Chem., American Chemical Society. 2014. - 53 (24). – pp. 13070–13077.
6. Volatile Constituents of Halimodendron halodendron Voss. Growing in Kazakhstan // Journal of Essential Oil Bearing Plants. 2014.- TEOP. 17 (5). – pp.886-890
7. Yerkasov R.S. Kachin S.V., Bakibaev A.A. Selected chapters of analytical chemistry. - Astana : L.N. Gumilyov ENU, 2015.