



Kolpek Aynagul

Candidate of Chemical Sciences, Associate Professor (docent), Senior Lecturer of the Department of Chemistry NJC "Eurasian National University. L.N. Gumilyov"

Contact details:

E-mail: aynagulk@mail.ru

Mob. +7 702 285 0725

Work. tel.: 8-(7172)-709-500, ext 33-304

Professional experience:

- 01.09.1998-20.01.2005. teacher of chemistry at School No. 3, PGT Shortandi, Shortandi district, Akmolinska region;
- 20.01.2005-01.09.2006. teacher, Department of Chemistry PSU named after S. Toraygyrova;
- 01.09.2006-30.08.2009. Postgraduate Department of Chemistry and Chemical Technologies PSU named after S. Toraygyrova;
- 01.09.2010-30.08.2012. senior teacher and associate professor of the Department of Chemistry and Chemical Technologies PSU named after S. Toraygyrova;
- 01.09.2012-30.08.2015. associate professor of the Department of Mechanics and Oil and Gas Affairs and deputy dean for academic work at the Faculty of Metallurgy, Mechanical Engineering and Transport PSU named after S. Toraygyrova;
- 01.09.2015-31.08.2016. Head of the Department of Chemistry and Chemical Technologies PSU. S. Toraygyrova;
- 01.09.2016-05.08.2022. Head of the Department of Chemistry, Chemical Technology and Ecology of KazUTB;
- s 01.09.2022. senior lecturer, Department of Chemistry, NJC "ENU im. L.N. Gumileva"

Award:

- "Certificate of Honor" to the rector of S. Toraygyrova PSU, 2015.
- "Certificate of Honor" MON RK, 2018.
- Silver medal JSC "Kazakhsky University of Technology and Business", 2020.

Scientific internships:

Introductory Workshop on Educational System in Sweden, 2015, University of Lund, g. Lund (Sweden)

Education, academic degree and title:

- In 1998 graduated the Faculty of Chemistry and Biology of A. Baitursynov Kostanay State University. Specialty-Chemistry. Qualification - "Chemist. Chemistry teacher".
- In 2010 she defended her thesis for a degree Candidate of Chemical Sciences, specialty "02.00.01-Inorganic Chemistry". No. 0005381
- In 2016 she received the academic title of Associate Professor (docent). №0000142

Scientific interests:

Inorganic chemistry, chemistry of complex compounds, chemistry of natural compounds, petrochemistry.

Scientific grants:

Development of innovative composite building materials based on industrial waste of Kazakhstan (2018-2020), contractor

Courses taught:

Theoretical foundations of inorganic chemistry (B), Methods of teaching chemistry (B), Structure and reactivity of inorganic substances (M).

Advanced qualification:

1. Spiritual renewal and training of competitive specialists ("Orleu" JSC center, Astana, No. 052, 28.01.2019-07.02.2019)
2. Innovative educational technologies and didactic models (Almaty Technological University, Almaty, No. 1233, 01.10.2020 - 15.10.2020)
3. General and petroleum geology (Almaty Technological University, Almaty, No. 1366, 01.06.2020 - 12.06.2020)
4. Oil and gas processing technology (Atyrau University, Atyrau, 23.11.2020 - 22.12.2020)
5. Management in education, ("NMC "ZIAT", Nur-Sultan, No. C-02821, 01.03.2021-13.03.2021)
6. Protection of oil and gas equipment from corrosion ("NMC "ZIAT", Nur-Sultan, No. 1455, 10.06.2021 - 22.06.2021)
7. Training course for experts on evaluation of textbooks and educational-methodological complexes (72 hours) (ASTANAKITAP, Nur-Sultan, 10.08.2021 - 25.08.2021)

Publications:

1. Aibuldinov E.K., Kolpek A.K., Ramazanova N.A., Mymrin V.A. The use of energy industry waste for the production of innovative construction materials // Vestnik PGU. Energy series. Pavlodar, 2019. - No. 3. - S. 23-33.
2. Aibuldinov E.K., Kolpek A.K., Iskakova Zh.B., Abdiev K.M. Formation of the structure of building materials from four components // L.N. Herald of Gumilev National University. Series: Chemistry, biology, geography. - Astana, 2019. - No. 3 (128). - B. 8-15.
3. Zhatkanbayev Ye.Ye., Zhakiyeva A.T., Zhatkanbayeva Zh.K., Kolpek A. Redox system Fe²⁺:Fe³⁺ at an underground leaching of uranium // Oxidation Communications is the journal witch, in its new from6 is devoted to the global oxy-reduction interactions proceeding in nature. Bulgaria, Sofia, 2018, -Vol 41. -No. 2. -PP. 215-230
4. Koshkarov N.B., Kolpek A.K., Abseitov E.T., Akhaeva A.A. The modern ecological state of the Aral sea // Science and World International scientific journal. Founder and publisher: Publishing House "Scientific survey". - Volgograd, 2017. - No. 11(51), 2017, Vol.1. -RR 54-55
5. Zhatkanbaev EE, Iskakov Zh.B., Kolpek A., et al. Patent No. 35269 for the invention of a method of one-step synthesis of biodegradable chitosan hydrogel with mineral or organic fertilizers
6. Yerkasov R.Sh., Kolpek A. Chemistry of complex compounds. Textbook, - Almaty: TeachSmith, 2022. - 228 p.
7. Nurtai Zh.T., Usenkulova Sh.Zh., Kolpek A.K., Takirova A.H., Turebaeva P.D. Use of industrial waste to save people from emergency situations in the mountainous regions of the Republic of Kazakhstan // Uchebnoe posobie. - Nur-Sultan: Master PO, 2019. - 86 p.
8. Kolpek A.K., Ivaray A.Y., Hamit A.J. Processing of natural and oil-associated gases // Textbook. - Nur-Sultan: Master PO, 2020. - 63 p.
9. Koshkarov N.B., Akhaeva A.A., Kolpek A.K., Abseitov E.T. Ecology and sustainable development // Ecology and sustainable development // Textbook. -Almaty: Almanak, 2020. - 83r.
10. Kolpek A.K., Turebaeva P.D., Aibuldinov E.K., Iskakova Zh.B. Fundamentals of inorganic chemistry // Teaching aid. - Nursultan: Master PO, 2019. - 86 p.