

# AZERBAIJAN STATE AGRICULTURAL UNIVERSITY

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**Faculty:** Agrotechnology

**Chair:** Chemistry



## EDUCATION, SCIENTIFIC DEGREES AND SCIENTIFIC NAMES

1964 graduated from the Faculty of Chemistry and Biology of Kirovabad Pedagogical Institute;

1976 defended his dissertation on "Synthesis and study of monotiobenzoate metals".

1989 defended his doctoral dissertation on "Crystal chemistry of coordination compounds of benzoic acid."

1991 was awarded the title of Professor of Inorganic and Analytical Chemistry.

## LABOR ACTIVITY

1964-1971 - teacher of chemistry and biology at the secondary school in Kalbajar district;

1971-1974 full-time postgraduate student at the Institute of Inorganic and Physical Chemistry of ANAS;

1974-1981 he was a junior researcher at the Institute of ANAS;

1981-1990 Assistant at the Department of Inorganic and Analytical Chemistry of the Azerbaijan Agricultural Institute;

1990-1995 Head of the Department of Inorganic and Analytical Chemistry of the Azerbaijan Agricultural Institute;

1995-2009 Professor of the Department of Chemistry

Dean of the Faculty of Agrotechnology of ASAU in 2009-2016;

Since 2016 has been working as a professor at the Department of Chemistry of ASAU.

He is the author of more than 200 scientific works, 4 textbooks, 6 patent inventions, 10 subject programs.

## RESEARCH AREA

Synthesis of biologically active metal complexes and study of crystal structures

## PARTICIPATION AT INTERNATIONAL SEMINARS, SYMPOSIUMS AND CONFERENCES

1. All-Union Conference. Novosibirsk. 1974
2. All-Union Conference. Moscow. 1976
3. All-Union Conference. Voronezh. 1987
4. Chugaevskaya International Conference. St. Petersburg. 2008
5. Chugaev International Conference. Suzdal. 2012
6. International conference. Munchen. 2012
7. III Scientific Conference of Turkic-speaking countries. Baku. 2013

## ARTICLES AND SCIENTIFIC WORKS

1. Musaev F.N, Movsumov E.M, Mamedov H.S Crystalline and molecular cadmium (II). Structural chemistry. 1978, №8, st. 508-512
2. Musaev F.N, Movsumov E.M, Mamedov H.S Synthesis and structural study of monotiobenzoate metals. Report AN. Azerbaijan. USSR, 1977. №4, st. 31-35
3. Movsumov E.M, Mamedov H.S and others. Bis (p-aminobenzoato) -bis-pyridinate iron (II), manifesting activity against chlorosis of grapes - Aut. свид (ССР) -43 09353, 1996
4. Musaev F.N, Movsumov E.M, Mamedov H.S Crystalline and molecular structure of di- (monotiobenzoate) dipridine nickel (II). Chemical structure. 1977, №6, st. 1089-1093
5. Amiraslanov I.R, Movsumov E.M, Mamedov H.S Crystalline and molecular structure of di- (p-aminobenzoato) tetraqua cobalt (II). Chemical structure. 1979, №6, st. 1075-1079
6. Musaev F.N, Movsumov E.M, Mamedov H.S Crystalline and molecular structure of aqua-bis (benzoato) dipyridine honey (II). Coordinate. chemistry, 1979, t-5, st. 120-125
7. Najafov G.N, Movsumov E.M, Mamedov H.S X-ray structural studies of p-oxybenzoates of magnesium and cobalt. Report AN Azerbaijan. SSR, 1980, vol.36, №5, st. 36-39
8. Jafarov N.A, Movsumov E.M, Mamedov H.S Crystalline and molecular structure of monohydrate monoqua bis (p-oxybenzoate) pig (II). Structural Chemistry, 1981, №2, p. 125-129
9. Musaev F.N, Movsumov E.M, Mamedov H.S Crystalline and molecular bis (pyridine) - bis- (monotiobenzoate) nickel (II). Coordinate. chemistry, 1981, issue. 5, Art. 776-783

10. Usubaliev B.T Movsumov E.M, Mamedov H.S Crystalline and molecular structure of bis-pyridine-bis p-nitrobenzoate medi (II).
11. Usubaliev B.T Movsumov E.M, Mamedov H.S Results of X-ray diffraction study of crystalline  $\text{Cu}_2(\text{n-O}_2\text{N-C}_6\text{H}_4\text{CO}_2)_4 \cdot 2\text{H}_2\text{O}$ . Report AN Azerbaijan. SSR, 1980, vol.36, №5, st. 40-43
12. M. Nawaz Tahir, Dinger Ülkü and Elman Movsumov. Cerium 3.5-Dinitrobenzoate Dihydrate. Acta Cryst (1996). C 52, p.1449-1451
13. M. Nawaz Tahir, Dinger Ülkü and Elman Movsumov. Aquilis (p-nitrosalisylato lead (II)). Acta Cryst (1996). C 52, p.2436-39
14. Dinger Ülkü, M.Nawaz Tahir and Elman M. Movsumov. Poly (bis-3,5-dinitrobenzoato) -gusilver (I). Acta Cryst (1996). C 52, p.2678-2680
15. M. Nawaz Tahir, Dinger Ülkü and Elman Movsumov. Tetraquabis (nitrosalicylate) Zn (II), Co (II). Acta Cryst (1996). C 53, p.176-179
16. M. Nawaz Tahir, Dinger Ülkü and Elman Movsumov. Acta Cryst (1996). C 52, p.593-595
17. M. Nawaz Tahir, Dinger Ülkü and Elman Movsumov. Bis- (p-nitrobenzoate) Ni (II). Acta Cryst (1996). C 52, p.1392-94
18. Mamedova A.T., Rzayeva M.F., Movsumov E.M. Krystal and molecular structure of tetraqua (di-para-okybenzoato) iron (II) tetrahydrate. Russian of coordination chemistry, Moscow, 2010, №1, p. 73-75
19. Mamedova A.T., Rzayeva M.F., Movsumov E.M. Mono tetraftalato-monopyrazino copper (II) as a catalyst in the oxidation of closed-chain olefins. Az. Resp. patents I 2010 0011,01.02
20. Mammadova A.T, Rzayeva M.F, Movsumov E.M Bis-aqua-oxybenzoate iron (II) dihydrate as a drug against chlorosis of grapes. Azer. Resp. patents 2010.01.02
21. Rzayeva M.F, Mammadova A.T, Movsumov E..M Para-aminobenzoate Mn (II) as a drug against perosis in chickens. Azerş Resp. patents 2010.01.02
22. Mamedova A.T, Serchenko, Movsumov E.M Crystalline structure  $[\text{CuL}_2 \text{Py}_3]$  (HL (acetyl amino) -nitrobenzoic acid. Journal of Inorganic Chemistry, Moscow. 2011
23. Rzaeva M.F, Safarova L.N, Movsumov E.M Synthesis of structural studies of di-pyridine-bis-3,5dinitrobenzoate Cd (II). Europeap applied sciences. Stuttgart, Germany. 2013. p. 105-107
24. Safarova L.N, Mamedova A.T, Movsumov E.M Synthesis and study of para-aminosalicylates Au (II), Pt (II), Pd (II). Applied Science and technologies in the USA, New York. December.
25. Safarova L.N, Rzaeva M.F, Mamedova A.T, Movsumov EM Synthesis and study of new metal complexes Pt (III) Au (III), Pd (II), paraaminobenzoic acid. \ European applied sciences. # 5- 2. Stuttgart, Germany 2015.p 40-42
26. Gasimova S.A, Maharramov A.M, Movsumov E.M, Asgarov R.K Crystal and Molecular structures of Tris (3,5 - dinitrobenzoate) Dysprosium (III) Dihydrate // European Journal of Analytical and Applied Chemistry. Austria, Vienna: 2015,p. 17

27. Maharramov A.M., Askerov R.K., Safarova L.N., Hasanova S.S., Movsumov E.M. Synthesis of Molecular and Crystalline Structure of the 3,5-Dinitrobenzoate Zn (II). \ 3rd International Turkic World Conference on Chemical Sciences and Technologies. September 10-13.2017.Baku.P-175.

28. Kasumova SA, Hasanova C.C., Mammadova LN, Movsumov EM Synthesis and physical-chemical study of new complexes of metals Nd (III), Tb (III), Er (III), Eu (III), Tm (III) with 5-nitro, 2-acetamido-benzoic acid // Miedzynarodowe czasopismo naukowe, Colloquium-journal, chemical sciences, the Polish international journal of scientific publications, ISSN 2520-6990 № 5, (16), 2018, p.63-66.

29. Hasanova SS, Askerova A. H., Mamedova L. N., Movsumov E. M SYNTHESIS AND RESEARCH OF METAL COMPLEXES WITH 2-NITROTEREPHALIC ACIDS. EURASIAN UNION OF SCIENTISTS 2019. №69. Art. 54-59

30. Hasanova S.S, Hasanova U.M, Mamedova L.N, Movsumov E.M SYNTHESIS AND RESEARCH OF METAL COMPLEXES Cu (II), Zn (II), Ni (II) WITH PYRAZINE-2-CARBONIC ACIDS. 2020. №81. pp.24-28.

## **LANGUAGE SKILLS**

English

Russian