Tahir Javadzade

Researcher on Analytical Chemistry
E-mail: tjavadzade@khazar.org

Education

2020 – current	**PhD student** Faculty of Chemistry/Analytical chemistry Baku State University, Azerbaijan
2017 – 2019	**M.Sc.** Crystallography and Crystal chemistry Baku State University, Azerbaijan
2013 – 2017	**B.Sc.** Azerbaijan State Oil and Industry University, Azerbaijan

ADDITIONAL EDUCATION & CERTIFICATES

01/09/2024 - 01/10/2024	Researcher University of Lisbon
05/03/2023 – 01/06/2023	Researcher Sapienza University of Roma, Italy
19/02/2018 - 20/04/2018	Internship/ SOCAR
18/07/2018 - 20/09/2018	Internship SOCAR
July 2016 (5 days)	Industrial experience Azerbaijan International Mining of Company (AIMC)
August 2015 (10 days)	Summer School SOCAR

Employment

2018 – 2023	**Engineer** Department of Geophysics and Geology, SOCAR, Azerbaijan

Teaching

Separation and concentration methods
X-ray spectral analysis methods

Application of complex compounds in analytical chemistry
Optical analysis methods
Electrochemical analysis methods
AAS methot
General Chemistry
Analytical Chemistry
Physical chemistry

LANGUAGE SKILLS

English	**Upper Intermediate**
French	**Intermediate**

Publications

T.Javadzade, I.Rzayeva, S.Demukhamedova, G.Akverdieva, V.Farzaliyev, A.Sujayev, F.Chiragov. Synthesis, structural analysis, DFT study, antioxidant activity of metal complexes of N-substituted thiourea. Polyhedron 231 (2023) 116274. doi.org/10.1016/j.poly.2022.116274

P.R.Mammadov,**T.A.Javadzade**, A.R.Sucayev,R.E.Mammadova, F.M. Chiragov. New simple method for the determination of trace level copper (II) using 1- [2- (allylamino) -1-methylethyl] thiourea in presence of hydrofob amines by molecular absorption spectral method in the UV and visible region. AJCN, Vol . 4, No 2, 2022, pp. 40-50

P.R.Mammadov, **T.A.Javadzade**, A.R.Sucayev, F.M.Chiragov .New simple spectrophotometric methods for the determination of trace level silver(i) using 1- [2-(allylamino) -1-methylethyl] thiocarbamide. Baki Universitetinin Xəbərləri. № 1. Təbiət elmləri seriyası. 2021. p 5-13.

T.Javadzade, V.I.Mardanova, A.R.Sujayev, F.M.Chiragov. Determination of Trace Nickel(II) after the Preliminary Extraction of Complexes with 1-(2-Allylamino-1-Methylethyl) Thiocarbamide. Journal of Analytical Chemistry.2023. №8, c. 1070-1078.

T.Javadzade. Development of new natural sorbent for the removal of copper from industrial wastewater. Su problemləri: elm və texnologiyalar.2023.

T.Javadzade .E.Eyyubova. Adsorptıon studıes of ni (II) ion removal from aqueous solutions by novel modifıed synthetic copolymer: adsorptıon isotherms. Journal of young researcher, 2024, №3, 27-40

A.Pronina, A.Kutasevich, M.Grigoriev, K.Hasanov, N.Sadikhova, **T.Javadzade**, M.Akkurt, A.Bhattarai. Crystal structure and Hirshfeld surface analysis of 1-[6-bromo-2-(3-bromophenyl)-1, 2, 3, 4-tetrahydroquinolin-4-yl] pyrrolidin-2-one. Structure Reports. 2024.V.80. 967-972.

A.Gurbanov, T.Hökelek,G.Mammadova, K.Hasanov, **T.Javadzade**, A.Belayh. Crystal structure, Hirshfeld surface analysis and crystal voids of 4-nitro-benzo[c][1,2,5]selena-diazole. Acta. Cryst. V 81. 2025.

N.Sadikhova, F.Muradova, N.Guliyeva,K.Hasanov, T.Javadzade, E.Zangrando, A.Belayg .Pyridin-1-ium carboxyformate–2-chloroacetic acid (1/1). IUCrData. 2025.

A.Gurbanov, T.Hökelek,G.Mammadova, K.Hasanov, **T.Javadzade**, A.Belayi. Crystal structure and Hirshfeld surface analysis of supra-molecular aggregate of 2,2,6,6-tetra-methyl-piperidin-1-ium bromide with 1,2,3,4-tetra-fluoro-5,6-di-iodo-benzene. Acta Cryst. 2025. V 81, 53–57.

T.Javadzade, S.Demukhamedova, G.Akverdieva, A.Sujayev, F.Chiragov. Structural analysis of the thiourea derivatives. International Conference:Modern Problems of Theoretical & Experimental Chemistry.2022.

T.Javadzade, P.Mammadov,A.Sujayev,F.Khalilova. New simple spectrophotometric method for the determination of trace level copper (II) using 1-[2- (allylamino)-1-methylethyl] thiourea in presence of hydrofob amines.. International Conference:Modern Problems of Theoretical & Experimental Chemistry.2022.

T.Javadzade, F.Chiragov,I.Rzayeva,A.Sucayev. Combined action of metal complexes of cyclic thiocarbamides as antioxidant additives.. Akademik Əli Musa oğlu Quliyevin 110 illik yubileyinə həsr olunmuş “Müxtəlif təyinatlı üzvi maddələr və kompozision materiallar” mövzusunda Respublika Elmi Konfransının materialları.2022.

T.Javadzade, P.Mammadov,A.Sucayev,F.Chiragov.The spectrophotometric study of copper (II) with 1-[2- (allylamıno)-1-methylethyl] thıocarbamide ın presence of hydrofob amınes.2022.

T.Cavadzade, P.Mammadov, F.Chiragov.Simple spectrophotometrıc method for the determınatıon of trace level copper (II) ın oil water samples. Ekologiya və torpaqşünaslıq elmləri XXI əsrdə.. 2022.

Т.А. Джавадзаде, Ф.М.Чырагов, А.Р.Суджаев. Изучение комплексообразования Ni(II) с 1-[2-(аллиламино)-1- метилэтил] тиокарбамидом. Спектроскопия координационных соединений.2022. , №1, с. 15-19.

Т.А. Джавадзаде, Ф.М.Чырагов, А.Р.Суджаев.Изучение комплексообразования Ag(I) с 1-[2-(аллиламино)-1-метилэтил] тиомочевиной

T.Javadzade, F.Chiragov. Langmuır ısotherm study of ni (ıı) ıon removal from aqueous solutıons by novel modıfıed synthetıc copolymer. Kimya və kimya texnologiyası III Respublika elmi konfransı.2024

Т.А. Джавадзаде, У.А.Гюллярли. Определение констант устойчивости новых комплексных соединений. Спектроскопия координационных соединений.2024.

Talk

Structural analysis of the thiourea derivatives.International Conference:Modern Problems of Theoretical & Experimental Chemistry.2022.

Development of new natural sorbent for the removal of copper from industrial wastewater. Environmental remediation in Azerbaijan.BHOS.2023.

Certificate of the authorship of an invention.

P.R.Məmmədov, **T.Ə.Cavadzadə**, Ə.R.Sucayev, F.M.Çıraqov.Gümüşün fotometrik təyini üsulu.2024.