INSTITUTE OF RADIATION PROBLEMS, MINISTRY OF SCIENCE AND EDUCATION REPUBLIC OF AZERBAIJAN
LABORATORY OF NUCLEAR PROBLEMS AT THE JOINT INSTITUTE FOR NUCLEAR RESEARCH
CIRRICULUM VITAE and PUBLICATION LIST

Nicat Mirzayev

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Researchgate: https://www.researchgate.net/profile/Nijat-MirzayevGoogle

Scholar:https://scholar.google.com/citations?user=3MtLm4UAAAAJ&hl=en&oi=ao

PERSONAL INFORMATION

Name	**Nicat**
Surname	**Mirzayev**
Address	Institute of Radiation Problems, Ministry of Science and Education Republic of Azerbaijan Bahtiyar Vahabzadeh 9, Baku, AZ1143, Azerbaijan
e-mails	mirzayev@jinr.ru
Date of birth	19.09.1986

PERSONAL STATEMENT

I am engaged in the production of high-purity substances which are used in low background experiments and in nuclear medicine. My work involves to develop methods in order to syntheses highly purified materials and to estimate purity of substances with different analytical methods such as neutron activation analyses, gamma spectrometry and mass spectrometry. In addition, my research includes investigating sorption behavior of different elements and radionuclide on sorbents which are used in radiopharmaceutical productions.

EDUCATION

2013-2022-present

Ph.D student

Institute of Radiation Problems, AZ1143

Radiochemistry

2010 –2012

Master's degree

Azerbaijan National Pedogogical Univercity, Baku, Azerbaijan

Faculity of Orcanic chemistry , Diplom number- MNB 024438

09/2015 – 07/2019

Bachelor

Azerbaijan National Pedogogical Univercity, Baku, Azerbaijan

Faculity of hemistry , Diplom number- BN 163113

EMPLOYMENT HISTORY

01/02/2016– Present

Resercher at Laboratory of Nuclear Problems at the Joint Institute for Nuclear Research, Department of Radiochemistry and Spectroscopy, Dubna, Russia

01/01/2010 – present

Resercher at Institute of Radiation Problems, Ministry of Science and Education Republic of Azerbaijan

ADDITIONAL SKILLS / RESEARCH INTEREST

I have been working as a researcher at the at the Joint Institute for Nuclear Research since 2016. During this time, I conducted research using the following analysis methods.

- Low background gamma specromertr
- ICP-MS
- ICP-AES
- Neutron Activation Analyses

COMPUTER SKILLS

- Origin Lab (Graphing for Science and Engineering).
- GENIU-2000
- MICROSOFT OFFICE

Publications last 3 years

2020 N. A. Mirzaev, A. P. Marinova, Kh. F. Mammadov, N. T. Temerbulatova, J. Kozempel, D. V. Filosofov, Sorption of Metal Ions on an Anion-Exchange Resin in an Ammonium Acetate Solution, Journal of Physical Chemistry A, Springer, 2020, 94(6), s. 1190 – 1194

2020 N.A. Mirzayev , D. Filosofov, Kh. Mammadov, M. De Jésus, D.V. Karaivanov, D. Ponomarev, A. Rakhimov, S. Rozov, N. Temerbulatova, E. Yakushev, Low radioactive NH4Cl flux, Journal of Instrumentation, IOP Publishing, 2020, 15(5)

2020 Nijat Mirzayev, Atanaska Pavlova Marinova, Genko Marinov Marinov, Khagani Mammadov, Vasilii Karandashev, Alimardon Rakhimov, Aygoz Baimukhanova, Dimitar Vesselinov Karaivanov , Dmitry Vladimirovich Filosofov, Distribution coefficients of 60 elements on cation and anion exchange resin in ammonium chloride solutions, Solvent Extraction and Ion Exchange , 2020 , 37(6), s. 473 – 487.

2020 . Alimardon V. Rakhimov , A. S. Barabash, A. Basharina-Freshville, S. Blot, M. Bongrand , Ch. Bourgeois, D. Breton , R. Breier , E. Birdsall, N. A. Mirzayev, Development of methods for the preparation of radiopure 82Se sources for the SuperNEMO neutrinoless double-beta decay experiment, Radiochim. Acta, Springer, 2020, 108(2), s. 87 – 97 https://www.degruyter.com/view/journals/ract/108/2/article-p87.xml

2022 N. A. Mirzayev, • Kh. F. Mammadov • Zh. P. Burmii • D. V. Karaivanov • E. S. Kurakina • N. T. Temerbulatova • A. Baimukhanova • A. V. Rakhimov S.V.Rozov, G.K.Salimova, • A.A.Mirsagatova, • I.I.Sadikov, •D.V.Filosofov, E.A.Yakushev/High-purity ammonium acetate solution for low-background electronics. Journal of Radioanalytical and Nuclear Chemistry, Springer, / 2022, vol 331, p. 5539–5545.2023