Form 2.3

AL-FARABI KAZAKH NATIONAL UNIVERSITY

LIST OF SCIENTIFIC WORKS AND INVENTIONS

of the PhD candidate

KURMANBAYEVA TOLKYN SERIKBAYKYZY

No.	Title of works	Manuscript or published	Name of Publisher, Journal (Issue, Year), Patent Number	Number of Pages or Sheets	Co-Authors' Surnames
1	SIMPLE AND ACCURATE ON-SITE QUANTITATION OF BTEX IN ATMOSPHERIC AIR USING SOLID-PHASE MICROEXTRACTION AND GAS CHROMATOGRAPHY WITH PHOTOIONIZATION DETECTION	Published	Advances in Sample Preparation, Volume 10, May 2024, 100117, https://doi.org/10.1016/j.sampre.2024.100117	7	Kurmanbayeva T., Bukenov B., Rymzhanova Zh., Kazhkenova N., Imangabassov A., Smail A., Karimkyzy N., Kenessov B.*
2	ON-SITE GAS CHROMATOGRAPHIC QUANTIFICATION OF TRANSFORMATION PRODUCTS OF ROCKET FUEL UNSYMMETRICAL DIMETHYLHYDRAZINE IN WATER USING VACUUM-ASSISTED HEADSPACE SOLID-PHASE MICROEXTRACTION	Published	International Journal of Environmental Analytical Chemistry, Volume 105, 2025 https://doi.org/10.1080/03067319.2025.2452951	11	Kurmanbayeva T., Rymzhanova Zh., Kenessov B.*
3	ON-SITE GAS CHROMATOGRAPHIC QUANTITATION OF TRANSFORMATION PRODUCTS OF UNSYMMETRICAL DIMETHYLHYDRAZINE IN SOIL USING VACUUM-ASSISTED HEADSPACE SOLID-PHASE MICROEXTRACTION	Published	Microchemical Journal, Volume 215, July 2025, 114492, https://doi.org/10.1016/j.microc.2025.114492	8	Kurmanbayeva T., Bukenov B., Imangabassov A., Rymzhanova Zh., Yermakhan M., Karimkyzy N., Smail A., Kenessov B.*

PhD Candidate — Kurmanbayeva T.S.

Academic Secretary of the Faculty of Chemistry and Chemical Technology, PhD, Docent — Tusupbekova A.S.

Form 2.3

AL-FARABI KAZAKH NATIONAL UNIVERSITY

LIST OF SCIENTIFIC WORKS AND INVENTIONS

of the PhD candidate

KURMANBAYEVA TOLKYN SERIKBAYKYZY

No.	Title of works	Manuscript or published	Name of Publisher, Journal (Issue, Year), Patent Number	Number of Pages or Sheets	Co-Authors' Surnames
4	ON-SITE QUANTIFICATION OF TRANSFORMATION PRODUCTS OF ROCKET FUEL UNSYMMETRICAL DIMETHYLHYDRAZINE IN AIR USING SOLID-PHASE MICROEXTRACTION	Published	Journal of Separation Science, Volume 48, 2025 https://doi.org/10.1002/jssc.70113	9	Bukenov B., Karimkyzy N., Smail A., Kurmanbayeva T., Kenessov B.*
5	SEMI-QUANTITATIVE DETERMINATION OF VOLATILE ORGANIC COMPOUNDS DETECTED IN AIR USING SOLID-PHASE MICROEXTRACTION AND GAS CHROMATOGRAPHY–MASS SPECTROMETRY	Published	Journal of Separation Science, Volume 49, 2026 https://doi.org/10.1002/jssc.70426	12	Karimkyzy N., Bukenov B., Bakaikina N.V., Kurmanbayeva T., Dyussenkulova B., Kenessov B.*
6	ON-SITE QUANTIFICATION OF TRANSFORMATION PRODUCTS OF UNSYMMETRICAL DIMETHYLHYDRAZINE IN ENVIRONMENTAL SAMPLES USING SOLID-PHASE MICROEXTRACTION AND GAS CHROMATOGRAPHY	Abstract	25th International Symposium on Advances in Extraction Technologies Tenerife, Canary Islands, Spain from 18th to 21st of July 2023	1	Kenessov B., Bukenov B., Kapar A., Kurmanbayeva T., Kazhkenova N.

PhD Candidate — Kurmanbayeva T.S.

Academic Secretary of the Faculty of Chemistry and Chemical Technology, PhD, Docent — Tusupbekova A.S.

Form 2.3

AL-FARABI KAZAKH NATIONAL UNIVERSITY

LIST OF SCIENTIFIC WORKS AND INVENTIONS

of the PhD candidate

KURMANBAYEVA TOLKYN SERIKBAYKYZY

No.	Title of works	Manuscript or published	Name of Publisher, Journal (Issue, Year), Patent Number	Number of Pages or Sheets	Co-Authors' Surnames
7	ON-SITE QUANTITATION OF BTEX IN ATMOSPHERIC AIR USING SOLID-PHASE MICROEXTRACTION AND GAS CHROMATOGRAPHY WITH PHOTOIONIZATION DETECTOR	Abstract	3rd European Sample Preparation Conference and 2nd Green and Sustainable Analytical Chemistry Conference Chania, Crete, Greece, from the 15th to the 18th of September 2024	1	Kenessov B., Kurmanbayeva T., Bukenov B., Rymzhanova Zh., Kazhkenova N., Imangabassov A., Smail A., Karimkyzy N.
8	ON-SITE QUANTIFICATION OF TRANSFORMATION PRODUCTS OF ROCKET FUEL UNSYMMETRICAL DIMETHYLHYDRAZINE IN ENVIRONMENTAL SAMPLES USING SOLID-PHASE MICROEXTRACTION	Abstract	The International Chemical Congress of Pacific Basin Societies 2025 (Pacifichem 2025), Honolulu, Hawaii, from the 15th to the 20th of December 2025	1	Kenessov B., Kurmanbayeva T., Bukenov B., Karimkyzy N., Rymzhanova Zh., Yermakhan M., Imangabassov A., Smail A.

PhD Candidate — Kurmanbayeva T.S.

Academic Secretary of the Faculty of Chemistry and Chemical Technology, PhD, Docent — Tusupbekova A.S.