Форма 2.3

КАЗАХСКИЙ НАЦИОНАЛЬНЫЙ УНИВЕРСИТЕТ им. АЛЬ-ФАРАБИ

Список научных трудов и изобретений *Женіс Аршын*

№ п/п	Название трудов	Рукопись или печатные	Наименование издательства, журнала, №, год	К-во стр.	Фамилии соавторов работы
1	Zwitterion–MOF Functional Interface Enabling Robust Ion and Dye Rejection in Water Filtration	Печат.	ACS Appl. Mater. Interfaces 2025, 17, 47, 65048–65062 DOI: https://doi.org/10.1021/acsami.5c16282	15	**Arshyn Zhengis,** Aigerim Ospanova, Yenglik Amrenova, Perizat Askar, Mirat Karibayev, Anuar Aldongarov, Asset Aliyev, Munziya Abutalip, Nurxat Nuraje
2	Zwitterionic SBMA-based nanofiltration membranes: Synthesis techniques, antifouling mechanisms, and future perspectives	Печат.	Polymer 337 (2025) 128944 DOI: https://doi.org/10.1016/j.polymer.2025.128944	16	**Arshyn Zhengis,** Arailym Yergesheva, Yenglik Amrenova, Munziya Abutalip, Nurxat Nuraje
3	Preparation of Zwitterionic Sulfobetaines and Study of Their Thermal Properties and Nanostructured Self-Assembling Features	Печат.	Nanomaterials (2025, 15, 58.) DOI: https://doi.org/10.3390/nano15010058	21	Yenglik Amrenova, **Arshyn Zhengis,** Arailym Yergesheva, Munziya Abutalip, Nurxat Nuraje
4	Structural Studies and Applications of Sulfobetaine-Based Polybetaines at Interfaces	Печат.	Eurasian Journal of Chemistry, 29, 1(113), 24-32, 2024 DOI: https://doi.org/10.31489/2959-0663/1-24-3	9	**Arshyn Zhengis,** Yenglik Amrenova, Arailym Yergesheva Dana Kanzhigitova, Gulim Imekova, Zhexenbek Toktarbay, Olzat Toktarbaiuly, Munziya Abutalip, Nurxat Nuraje
5	Solar-to-Ammonia: Advances in Photocatalytic Nitrogen Reduction Materials	Печат.	ES Energy. Environ., 2025, 30, 1826 | 41 https://dx.doi.org/10.30919/ee1826	41	Arailym Yergesheva, Yenglik Amrenova, **Arshyn Zhengis,** Yernar Kanagat, Nurlan Almas, Mirat Karibayev, Raikhan Rakhmetullayeva, Nurxat Nuraje, Munziya Abutalip
6	Bio-based cellulose membrane from Phlomis tuberosa L. for	Печат.	Sci Rep (2025). https://doi.org/10.1038/s41598-025-31751-	20	Zhanat Azhikhanova, Harry Kwaku Megbenu, **Arshyn Zhengis,** Galiya Baisalova,

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КАЗАХСКИЙ НАЦИОНАЛЬНЫЙ УНИВЕРСИТЕТ им. АЛЬ-ФАРАБИ

Список научных трудов и изобретений *Жеңіс Аршын*

	methylene blue dye removal from wastewater and molecular interaction mechanisms		2		Minavar Shaimardan, Anuar Aldongarov, Mirat Karibayev, Mehmet Ali Özler & Nurxat Nuraje
7	Multiscale Molecular Modeling of Amphiphilic Polycarboxybetaine Interactions in Hydrocarbon and Deep Eutectic Solvent Environments for Sustainable Agricultural Biodiesel Purification	Печат.	ES Food and Agroforestry. DOI: http://dx.doi.org/10.30919/faf1940		Beksultan Akilbekov, Ayaulym Amankeldiyeva, Tangsholpan Ibrayem, **Arshyn Zhengis**, Yenglik Amrenova, Arailym Yergesheva, Mirat Karibayev, Anuar Aldongarov, Munziya Abutalip, Dhawal Shah and Nurxat Nuraje

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