

Joint-stock company  
"A.B. Bekturov Institute of Chemical Sciences"



International  
scientific and practical conference  
**"Trends, prospects and innovative  
approaches to the development of  
science, production and education in  
the context of globalization"**  
80th anniversary of the academician  
of NAS RK Ergozhin E.E.

November 3<sup>rd</sup> 2021, Almaty



## EDIL ERGOZHAEVICH YERGOZHIN is 80!

The conference is dedicated to the 80th anniversary of the outstanding Kazakh scientist-internationalist - academician of the National Academy of Sciences of the Republic of Kazakhstan, Doctor of Chemical Sciences, Professor, Laureate of the State Prize of the Kazakh SSR in the field of science and technology, Honored Scientist of the Republic of Kazakhstan, Laureate of the International Prize "Platinum Tarlan", Honored Inventor RK, holder of the "Parasat" order, a famous scientist in the field of polymer chemistry and ion exchange, membrane technologies - **Ergozhin Edil Ergozhaevich**.

The entire conscious life of Edil Ergozhaevich is an example of selfless service to his people, the development of domestic chemical science, and the training of highly qualified domestic personnel.

While still a student at KazNU named after S.M. Kirov, he began to engage in scientific research in the laboratory of ion-exchange resins of the Institute of Chemical Sciences of the Academy of Sciences of the Kazakh SSR. At 32 he defended his doctoral dissertation, at 42 he was elected a corresponding member, and at 48 - an academician of the Academy of Sciences of the Kazakh SSR.

Author of 32 fundamental monographs, 7 textbooks, 72 review articles, 1500 scientific articles, 350 copyright certificates of the USSR, prepatents, patents, utility model patents, innovative patents of the Republic of Kazakhstan and foreign countries, founder and editor-in-chief (2003-2020) of the scientific journal "Chemical Journal of Kazakhstan ", published since 2003, E.E. Ergozhin has gone a glorious way from the head of the laboratory of ion-exchange resins of the Institute of Chemical Sciences of the Academy of Sciences of the Kazakh SSR to the vice-president of the Academy of Sciences of the Republic of Kazakhstan, vice-minister of education and science of the Republic of Kazakhstan.

Academician E.E. Ergozhin created original technologies for the production of new heterogeneous, homogeneous, interpolymer and bipolar ion-exchange membranes with improved physicochemical and electrochemical characteristics, developed industrial electro dialysis plants and water desalination stations. The developed technology was introduced at the Almaty Electromechanical Plant. For the development of a priority scientific direction in a new field of membrane technology and the development and implementation of electro dialysis units of the EDU series into the national economy, Ergozhin E.E., as a scientific supervisor, was awarded the State Prize of the Kazakh SSR in the field of science and technology.

Under the scientific supervision of Edil Ergozhaevich, 13 doctors and 95 candidates of chemical sciences, 4 doctors of philosophy (PhD) were trained.

# PROGRAM

№ п/п		I Session
	from 10-00 to 12-00 (regulations 5 min)	Opening of the conference (Readings dedicated to the memory of Academician of the NAS RK Ergozhin Ye.E.)
1	10-00 10-05	Gabdullin Maratbek Tulebergenovich - Rector of KBTU (introductory speech), Almaty
2	10-05 10-10	Fischer Dametken Edilovna - General Director of JSC "Institute of Chemical Sciences named after A.B. Bekturov, Almaty
3	10-10 10-15	Kurmangalieva Zhanna Dulatovna - Chairman of the Science Committee of the Ministry of Education and Science of the Republic of Kazakhstan, Nur-Sultan
4	10-15 10-20	Murat Zhurinov -Academician of the National Academy of Sciences of the Republic of Kazakhstan,President of the National Academy of Sciences of the Republic of Kazakhstan, Almaty
5	10-20 10-25	Makeev Dmitry Sergeevich - Director of the Oil Refining and Petrochemistry Department of JSC NC KazMunayGas, Nur-Sultan
6	10-25 10-30	Kenzhaliev Bagdaulet Kenzhalievich - Doctor of Technical Sciences, Professor, General Director of JSC "Institute of Metallurgy and Enrichment", Almaty
7	10-30 10-35	Adekenov Sergazy Mynzhasarovich - Academician of the National Academy of Sciences of the Republic of Kazakhstan, Doctor of Chemical Sciences, Professor, General Director of MNPH "Phytochemistry", Karaganda
8	10-35 10-40	Mansurov Zulkhair Aimukhametovich - Doctor of Chemical Sciences, Professor, Institute of Combustion Problems, Almaty
9	10-40 10-45	Alipbayev Sayatai Seidalyuly - First Deputy General Director for Production - Chief Engineer of Pavlodar Petrochemical Plant LLP, Pavlodar
10	10-45 10-50	Tasibekov Haidar Suleymanovich - PhD, Associate Professor, Dean of the Chemical Faculty of Al-Farabi Kazakh National University, Almaty
11	10-50 10-55	Bakibaev Abdigali Abdimanapovich - Doctor of Economics, Professor, National Research Tomsk State University, Tomsk
12	10-55 11-00	Turdialiev Umid Mukhtaralievich - Doctor of Technical Sciences, Professor, Andijan Engineering Institute, Andijan
13	11-00 11-05	Tazhbayev Yerkeblan Muratovich - doctor.x.n., Professor, Vice-Rector for Scientific Work of the Karaganda University named after Academician Was.A. Buketova, Karaganda
14	11-05 11-10	Grigory A. Moon - Doctor of Economics, Professor, Al-Farabi Kazakh National University, Almaty
15	11-10 11-15	Chalov Tulegen Kamenovich - Doctor of Chemical Sciences, Professor, Head. Laboratory of ion-exchange resins and membranes of JSC "Institute of Chemical Sciences named after A.B. Bekturov", Almaty
	12-00 14-00	Lunch

# PROGRAM

	14-00 17-00	II Session
	regulation 10 min	1 Section. Progress and integration of science, education and production - a vector of modern development (Moderator - PhD, Associate Professor Kovrigina T.V.)
1	14-00 14-10	Ergashev Kandier Horun ugli - PhD, Institute of Chemistry and Physics of Polymers, Tashkent"INVESTIGATION OF PARTICLE SIZE CHARACTERISTICS OF SAMPLES OF HYDROXYAPATITE AND COMPOSITES OF HYDROXYAPATITE CHITOSAN BOMBYX MORI"
2	14-10 14-20	Almataev Tozhiboy Orzikulovich - Candidate of Technical Sciences, Associate Professor, Andijan Engineering Institute, Andijan "EXPERIENCE OF SYNERGETIC INTEGRATION OF SCIENCE, EDUCATION AND PRODUCTION OF THE ANDIJAN MACHINE-BUILDING INSTITUTE"
3	14-20 14-30	Tasibekov Haidar Suleymanovich - PhD, Associate Professor, Dean of the Chemical Faculty of Al-Farabi Kazakh National University, Almaty  "KINETICS OF INTERCALATION-DEINTERCALATION PROCESSES IN CATHODE MATERIALS WITH AN ELDFELLITE STRUCTURE USED IN SODIUM-ION BATTERIES"
4	14-30 14-40	Dosmagulova Kalamkul Kapenovna-Arkalyk Pedagogical Institute named after I. Altynsarin, Arkalyk "METHODS OF ORGANIZING SCIENTIFIC METHODOLOGY BASED ON FUNDAMENTAL CONCEPTS OF CHEMISTRY"
5	14-40 14-50	Erzhanova Diana Erzhanovna – master student, Karaganda Technical University, Karaganda  «NEW OXAZOLIDINE DERIVATIVES BASED ON BIOGENIC AMINES»
	regulations 10 min	Section 2. Achievements, problems and prospects in the field of ion exchange and membrane technologies
6	14-50 15-00	Gavrilenko Mikhail Alekseevich - Doctor of Economics, Professor, Tomsk Polytechnic University, Tomsk  "Prospects for the application of ion-exchange materials in the field of colorimetric analysis methods"
7	15-00 15-10	Korovin Vadim Yurievich - Candidate of Chemical Sciences, Head of the lab. "New Technologies for processing Raw Materials and Industrial Waste", N.S. Polyakov Institute of Geotechnical Mechanics of the National Academy of Sciences of Ukraine, Dnipro "Extraction of scandium tvex-tbf from a salt chlorinator melt leaching solution under dynamic conditions"
8	15-10 15-20	Troshkina Irina Dmitrievna - Doctor of Technical Sciences, Professor, D.I. Mendeleev Russian University of Chemical Technology, Moscow "Rhenium sorption by carbon materials and nanocomposites based on them"

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9	15-20 15-30	Tattibaeva Zhadra Ashirkhanovna - Senior Lecturer, Al-Farabi Kazakh National University, Almaty "The effect of the pH of the medium on the $\zeta$ -potential of algae cells of <i>Chlorella vulgaris</i> "
10	15-30 15-40	Mirat karibayev-PhD student of the 2nd course, Nazarbayev University, Nur-Sultan "Computational and theoretical studies on the transport of hydroxide ions through the anion exchange membrane based on imidazolium and nitrogenous cyclohexane"
	regulation 10 min	Section 3. Modern problems of development of chemical production and petrochemistry
11	15-40 15-50	Samoilov Naum Aleksandrovich - Doctor of Technical Sciences, Professor, Ufa State Petroleum Technical University, Ufa "A NEW APPROACH TO MATHEMATICAL MODELING OF MULTICOMPONENT CHEMICAL PROCESSES OF OIL REFINING"
12	15-50 16-00	Kudyshkin Valentin Olegovich - Doctor of Economics, Professor, Head of the lab. "Modern approaches to the regulation of polymerization processes", Institute of Chemistry and Physics of Polymers of the Academy of Sciences of the Republic of Uzbekistan, Tashkent "Preparation and properties of grafted copolymer compositions of low molecular weight polyethylene and acrylic acid"
13	16-00 16-10	Komarova Ekaterina Viktorovna - Senior Lecturer, Ufa State Petroleum Technical University, Ufa "Surface tension of styrene at the interface of phases in an aqueous emulsion depending on temperature"
14	16-10 16-20	Kholmuminov Abdulfatto Akhatovich - Doctor of Physics, Professor, Head of the Department of Physics of Semiconductors and Polymers of the Faculty of Physics of the National University of Uzbekistan, Tashkent "Structural and phase transformations of mixtures of polyacrylamide with sulfur in the flow"
		Closing speech of the Director General of JSC "Institute of Chemical Sciences named after A.B. Bekturov, Ph.D. Fischer D.E.