



INTERNATIONAL SCIENTIFIC WEEK, DEDICATED TO THE "YEAR OF ENVIRONMENTAL PROTECTION AND "GREEN" ECONOMY"

TASHKENT INSTITUTE OF CHEMICAL TECHNOLOGY

PROGRAM

INTERNATIONAL SCIENTIFIC WEEK

"Sustainable Development and Green Economy"

May 28 – 31, 2025



Dear researchers, professors and colleagues!

The organizing committee invites you to take part in the work of the International Scientific Week “**Sustainable Development and Green Economy**”.

Organizers of the scientific week “Sustainable development and green economy”

I. Ministries, departments, international partners and organizations

1. Ministry of Higher Education, Science and Innovation of the Republic of Uzbekistan
2. Tashkent Institute of Chemical Technology, Uzbekistan
3. Institute Of Materials Science, Uzbekistan Academy of Sciences
4. Integral University, India
5. Mukhtar Auezov South Kazakhstan Research University, Kazakhstan

II. Companies and enterprises

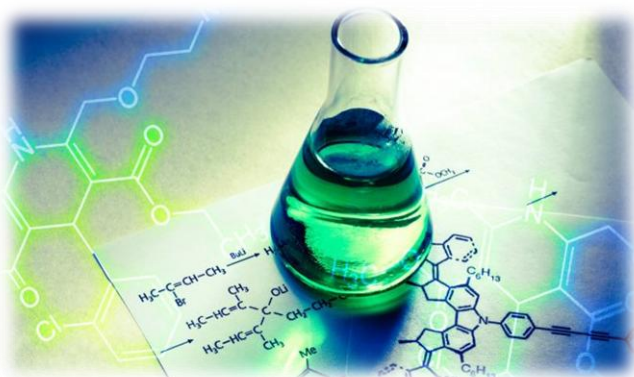
1. JSC "Uzkimyosanoat";
2. Association "Uzsanoatqurilishmateriallari"
3. LLC “ARTEL ELECTRONICS”
4. JSC "Kvarts";
5. JSC "Asl Oyna";
6. JSC Maxam Chirchik
7. JSC Ammofos-Maxam
8. JSC Navoiyazot
9. JSC Dekhkanabad Potash Plant
10. AKKERMANN CEMENT LLC.
11. Holding "Art Gloss Gallery".



Venue : Tashkent Institute of Chemical Technology.



Locations: Tashkent city, Mirzo Ulugbek street, 41.



Brief overview for the Program of International Scientific Week

Event	Location	Time	Key Activities
May 28			
Opening of the International Scientific Week "Sustainable Development and Green Economy"	TICT, Faculty of Chemical Engineering	09:00–10:00	<i>Opening speeches for the International Scientific Week "Sustainable Development and Green Economy"</i>
IV International Scientific and Technical Conference "Innovative Technologies for the Production of Glass, Ceramics and Binding Materials-2025", dedicated to the 85th Anniversary of Doctor of Chemical Sciences, Professor Abdulla Ismatov	TICT, Faculty of Chemical Engineering	10:00–17:00	<i>Opening of the Conference, memorial tribute to Prof. Ismatov, international plenary reports, official launch as part of the morning plenary program poster & industrial exhibitions</i>
May 29			
International Scientific Forum on Sustainable Development and Green Economy	TICT, Faculty of Chemical Engineering	09:00–17:00	<i>Morning plenary speeches, afternoon session speeches (EN/UZ/RU), poster sessions</i>
May 30			
Conference session at the Institute of Materials Science of the Academy of Sciences of the Republic of Uzbekistan	Parkent, Tashkent region	07:00–18:00	<i>Travel, technical presentations, research tours, collaboration discussions</i>
May 30-31			
Republican Conference "Young Chemists" – Day 1	TICT, Faculty of Food & Wine Tech.	09:00–17:00	<i>Opening speeches, student reports, afternoon session speeches</i>
Republican Conference "Young Chemists" – Day 2	TICT, Faculty of Food & Wine Tech.	10:00–16:00	<i>Sectional scientific sessions, final poster presentations</i>

FOREIGN GUESTS

Kamel Eid (State of Egypt)
Mohamed Mehdi Chehimi (French Republic)
Claudio Augusto Oller do Nascimento (Federative Republic of Brazil)
Ali S. Alshami (USA)
Paulo Cardozo Carvalho de Araújo (Federative Republic of Brazil)
Jose Roberto Simões Moreira (Federative Republic of Brazil)
Lelia Cristina da Rocha Soares (Federative Republic of Brazil)
Tonni Agustiono Kurniawan (China)
Kang Dong-Gyun (Republic of Korea)
Choi Byung-Ho (Republic of Korea)
Hamilton Valera
Kim Dong - Hyun (Republic of Korea)
Kang Jin - Kyu (Republic of Korea)
Aboubakr M. Abdullah Ali
Lee Seung - Min (Republic of Korea)
Kang Kyung - Chan (Republic of Korea)
Ryu Young-Bok (Republic of Korea)
Sakomoto San (Japan)

Qatar University, Qatar
 Université Paris Cité & CNRS

 University of São Paulo

 University of North Dakota
 University of São Paulo

 University of São Paulo

 University of São Paulo

 Xiamen University, China
 CEO Giant Chemical Co, Ltd.
 CEO Serenma Entech
 University of São Paulo, Brazil
 Director Giant Chemical Co. Ltd.
 Giant Chemical Co. Ltd.
 Qatar University, Qatar
 Korea Institute of Industrial Technology
 Korea Institute of Industrial Technology
 Korea Institute of Industrial Technology
 E-Globaledge Corporation (Rigaku)

Alexander Puchkov
Alexander Shaforostov
Mohamed Ali Hassan Zenhoun (Egypt)
Zulfiya Chernochova (Czech Republic)

Nida Fatima (India)
Syed Aqeel Ahmad (India)
Makarov Nikolay Alexandrovich
(Russian Federation)
Anisimov Valeriy Valerievich (Russian
Federation)
Iriskulova Shahina Kahramanovna
(Kazakhstan)
Aitulova Zhanar Mukhtarovna
(Kazakhstan)
Ismailova Gulchexra Kamolovna
(Kazakhstan)
Khidirbayev Ulugbek Orumbayevich
(Kazakhstan)
Irismetova Aziza Adilzhanovna
(Kazakhstan)
Lim Woong Mook (Republic of Korea)

Octavio Alberto Calvo Gomez (United
Mexican States)
Makhmudova G.I. c

Zhakupbaev B.E. (Kazakhstan)

Kedelbaev Bakhytzhan Shilmirzaevich
(Kazakhstan)
Tashkaraev Rakhmatilla Abdullaevich
(Kazakhstan)
Batirov Bobir Mehmonovich
(Kazakhstan)
Kurbanbaev Muhtar Endibaevich
(Kazakhstan)
Adirbaeva Tatyana Amanovna
(Kazakhstan)
Dubinina Elena Sergeevna (Kazakhstan)

Ulyev Leonid Mixaylovich (Russian
Federation)
Flavio Manenti (Italy)
Nicolas Iannotta (Italy)
Luis Felipe Sanchez Martinez
Marcello Bozzini (Italy)
Antonio Marcomini (Italy)
Ko Seonok (Republic of Korea)
Yoon Kangsook (Republic of Korea)

E-Globaledge Corporation (Rigaku)
MN Labtech
Helwan University
Institute of Macromolecular Chemistry of
the Czech Academy of Sciences
Integral University
Integral University
Mendeleev University

Mendeleev University

Mukhtar Auezov South Kazakhstan
Research University
Mukhtar Auezov South Kazakhstan
Research University
Professional College named after Anvar
Ismailov
Professional College named after Anvar
Ismailov
Professional College named after Anvar
Ismailov
Shaykhontohur District Specialized
School
Tashkent Institute of Chemical
Technology
Peoples' Friendship University named
after Academician A.Kuatbekov
Peoples' Friendship University named
after Academician A.Kuatbekov
Mukhtar Auezov South Kazakhstan
Research University
Peoples' Friendship University named
after Academician A.Kuatbekov
Peoples' Friendship University named
after Academician A.Kuatbekov
Mukhtar Auezov South Kazakhstan
Research University
Mukhtar Auezov South Kazakhstan
Research University
Mukhtar Auezov South Kazakhstan
Research University
Tomsk Poltechnical University

Milan Poitechnical University
Milan Poitechnical University
Milan Poitechnical University
Milan Poitechnical University
University Ca' Foscari of Venice
NC Career
NC Career

**IV INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE
“INNOVATIVE TECHNOLOGIES FOR THE PRODUCTION OF GLASS,
CERAMICS AND BINDING MATERIALS-2025”, DEDICATED TO THE 85TH
ANNIVERSARY OF DOCTOR OF CHEMICAL SCIENCES, PROFESSOR
ABDULLA ISMATOV**

The purpose of the international scientific and technical conference is to discuss modern innovative technologies for the production of silicate materials - glass, ceramics and binders, the technology of rare and precious metals, as well as composite materials based on them, issues of sustainable development of the chemical and metallurgical industry, familiarizing the world community with the achievements of Uzbekistan in these areas.

Conference objectives - to popularize the significant results achieved in scientific activities in the republic and abroad, as well as the further development of the industry of glass, ceramics, binders, rare and precious metals. During the conference, lectures and master classes will be organized by leading experts and scientists from the USA, Italy, Spain, Poland, Qatar, France, Brazil, Armenia, Korea, Kazakhstan, Uzbekistan and other countries.

CONFERENCE SECTIONS:

1-section. *Technology transfer: innovations in the production of glass, ceramics, and binding materials.*

2-section. *Sustainable future: energy-efficient and resource-saving solutions in chemical and metallurgical industries.*

3-section. *Modern methods and prospects for the production of composite materials: from theory to practice.*

KEY DATES

May 28, 2025 – Opening of the conference and Plenary reports (Tashkent).

May 29, 2025 – Conference sessions

May 30, 2025 – Visit to the Solar Complex of the Institute of Materials Science of the Academy of Sciences of Uzbekistan (Parkent).

FORMS OF PARTICIPATION IN THE CONFERENCE:

- *presentation of a plenary report – up to 15 minutes (10 minutes report and 5 minutes questions-answers);*
- *presentation with a sectional report – up to 10 minutes (7 minutes report and 3 minutes questions-answers);*
- *participation in a conference with poster presentation (publication of posters)*
- *participation in a conference without a report (publication of materials in a collection).*

THE PROGRAM OF THE IV INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE “INNOVATIVE TECHNOLOGIES FOR THE PRODUCTION OF GLASS, CERAMICS AND BINDING MATERIALS-2025”

Venue: Conference hall of the Faculty of Chemical Engineering TICT

Date: May 28, 2025, Time: 9:00-17:00, Address: Tashkent, st. Mirzo Ulugbek, 41.

For online participants, connect to the Zoom conference:

<https://us06web.zoom.us/j/88207943991?pwd=tL0hXtSRpQixqJ2vYB8l1m0zof0Da.1>

Meeting ID: 882 0794 3991

Passcode: 769626

May 28, 2025 (Wednesday) 9⁰⁰–10¹⁰ Opening of the International Scientific Week “Sustainable Development and Green Economy” Conference hall of the Faculty of "Chemical Engineering" TICT Moderators: Dr. Babakhanova Zebo Abdullaevna, Dr. Erkinov Farrukh Botirovich		
9⁰⁰ – 9³⁰	Registration of participants. Poster session (full day). Exhibition of the results of scientific research of the institute, exhibition of industrial partners (full day).	Entrance hall of Faculty of Chemical Engineering of TICT
9³⁰ - 9⁴⁰	Greeting speech: Representatives from Ministry of Higher Education, Science and Innovation of Republic of Uzbekistan	Sharipov Kongratbay Avezimbetovich Minister of higher education, science and innovations of Republic of Uzbekistan
9⁴⁰ – 9⁵⁰	Greeting speech: Representatives from “Uzkimyosanoat” JVC	Temirov Odil Shukurovich Chairman of the Board “Uzkimyosanoat” JVC
9⁵⁰ – 10⁰⁰	Opening of the scientific week: Tashkent institute of chemical technology	Usmonov Botir Shukurillaevich Rector of Tashkent institute of chemical technology
10⁰⁰ – 10¹⁰	Opening of the scientific week: Association "Uzsanoatqurilishmateriallari"	Bobokulov Bakhtiyor Bahronbekovich Chairman of the board

May 28, 2025 (Wednesday) 10¹⁰–17⁰⁰ Plenary session. Conference hall of the Faculty of "Chemical Engineering" TICT Moderators: Dr. Babakhanova Zebo Abdullaevna, Dr. Erkinov Farrukh Botirovich		
10¹⁰ – 11⁰⁰	Opening & Memorial speech:	Aripova Mastura Xikmatovna Head of Department
	Memorial speech:	Colleagues, mentees and relatives of Professor Ismatov Abdulla Akhmedovich
11⁰⁰-11³⁰	Coffee break	
11³⁰ -11⁴⁵	Scientific reports: Czech Academy of Sciences Institute of Macromolecular chemistry (Czech Republic)	Zulfiya Chernochova The lithium phthalocyanine (γ-structure) as a molecular oxygen sensor

11 ⁴⁵ -12 ⁰⁰	Scientific reports: Russian Chemical Technological University named after Mendeleev (Russian Federation)	Makarov Nikolay Alexandrovich Powders of refractory oxides obtained using the deep eutectic solvent method
12 ⁰⁰ -12 ¹⁵	Scientific reports: Association "Uzsanoatqurilishmateriallari"	Ismoilov Bokhodir Deputy Chairman of the Board
12 ¹⁵ -12 ³⁰	Scientific reports: Rigaku Globaleedge Corporation (Japan)	Sakomoto San RIGAKU. 70th Anniversary of Achievement and Innovation.
12 ³⁰ -12 ⁴⁵	Scientific reports: Milano Polytechnical University (Italy)	Silvia Franz Photoelectrocatalytic remediation of PFAS contaminated groundwaters from Veneto region, Italy (online)
12 ⁴⁵ -13 ⁰⁰	Scientific reports: Tomsk Polytechnic University (Russian Federation)	Ulyev Nikolay Mixaylovich Modern methods for increasing the energy efficiency of chemical-technological processes in industry
13 ⁰⁰ -14 ⁰⁰	Lunch	
14 ⁰⁰ -14 ¹⁵	Scientific reports: Xiamen University (China)	Tonni Agustiono Kurniawan Applications of circular economy in wastewater treatments and renewable energy to promote resource recovery and zero-waste approach
14 ¹⁵ -14 ³⁰	Scientific reports: Tashkent Institute of Chemical Technology (Uzbekistan)	Abdurahmononov Odiljon Green approach to obtaining high-purity h-BN nanoparticles
14 ³⁰ -14 ⁴⁵	Scientific reports: Belorussian State Technological University (Belarus)	Dyadenko Mikhail Valeryevich Influence of TiO ₂ on the bioactivity and physicochemical properties of the Na ₂ O-CaO-MgO-SiO ₂ -P ₂ O ₅ system of glass
14 ⁴⁵ -15 ⁰⁰	Scientific reports: M. Auezov South Kazakhstan Research University (Kazakhstan)	Zh.M. Aitulova Research of mineral raw materials from domestic deposits for the synthesis of ultramarine
15 ⁰⁰ -15 ¹⁵	Scientific reports: University of São Paulo, Brazil	Hamilton Valera Mechanistic Aspects of the Low-Temperature Electrochemical Oxidation of Small Organic Molecules (online)
15 ¹⁵ -15 ³⁰	Scientific reports: Tashkent Institute of Chemical Technology (Uzbekistan)	Lee Geun-Seong Reduction of CO ₂ emissions for green cement production
15 ³⁰ -15 ⁴⁵	Scientific reports: Urgench State University (Uzbekistan)	Khurmatbek Jumaniyozov Mechanisms of Isomorphism and Their Impact on the Microstructure and Properties of Silicate Materials
15 ⁴⁵ -16 ⁰⁰	Scientific reports: Institute of Materials Science of the Academy of Sciences of the (Uzbekistan)	Javokhir Shermatov Hydrogen catalyst - synthesized on a solar furnace
16 ⁰⁰ -16 ¹⁵	Scientific reports: Tashkent Institute of Chemical Technology (Uzbekistan)	Farrukh Erkinov Laboratory of physical-chemical analysis and nanomaterials: opportunities, challenges and future discoveries

16¹⁵ –16³⁰	Scientific reports: Belorussian State Technological University (Belarus)	Trusova Ekaterina Evgenyevna Synthesis and spectroscopic characteristics of luminating oxyfluoride glass ceramics (online)
16³⁰ –16⁴⁵	Scientific reports: Shaykhontohur Specialized School (Uzbekistan)	Woong-Mook Lim A study of the manufacture of ceramic membranes for gas separation and their characteristics
16⁴⁵ -17⁰⁰	Scientific reports: Belorussian State Technological University (Belarus)	Dyadenko Mikhail Valerevich Lanthanborosilicate glass for fiber optics
	Closing speeches	The discussion of the results.

May 29, 2025 (Thursday)

9⁰⁰–13⁰⁰

Conference sessions

Faculty of "Chemical Engineering" TICT, 319 auditorium

9⁰⁰ –9³⁰	Registration of participants
9³⁰ -13⁰⁰	Conference sessions. Scientific speeches.
13⁰⁰ -14⁰⁰	Lunch. Discussion of scientific cooperation and free time.
14⁰⁰–16⁰⁰	Poster sessions.

May 30 (Friday)

7⁰⁰–18⁰⁰

Conference session

at the Institute of Materials Science

of the Academy of Sciences of the Republic of Uzbekistan.

Address: Institute of Materials Science of the Academy of Sciences of the Republic of Uzbekistan. Parkent city, Tashkent region.

7⁰⁰ –7⁴⁵	Meeting point: Faculty of Chemical Engineering of TICT at the address: 100007, Tashkent, st. Mirzo Ulugbek, 41.
8⁰⁰ -9³⁰	Organized relocation from Tashkent to Parkent city.
10⁰⁰ -10³⁰	Scientific reports: Dr. O. Parpiev , Director of the Institute of Materials Science Topic: Possibilities of the Large Solar Furnace in the development of new types of advanced materials.
10³⁰ -12³⁰	Scientific research activities and discussion of cooperation with the Institute of Materials Science. Excursion around the Institute.
13⁰⁰ -16³⁰	Lunch. Discussion of scientific cooperation and free time.
16³⁰ -18⁰⁰	Organized relocation from Parkent to Tashkent city.

SCIENTIFIC FORUM “SUSTAINABLE DEVELOPMENT AND GREEN ECONOMY”

The goal of the International Scientific Forum “Sustainable Development and Green Economy” is a broad international exchange of fundamental and practical scientific achievements, new approaches in areas traditionally included in the field of green economy, chemistry and technology (ecological economics, environmental economics, low-carbon economic development, protection of biodiversity and ecosystem services, environmentally sustainable economic progress, new methods for the synthesis of chemical compounds, chemical catalysis, safe energy-saving and waste-free technological production, circular economy, etc.), organization of international events aimed at increasing student interest in technical fields, popularization of basic sciences and development of international cooperation in research activities in the field of chemistry, biology and chemical technology.

Sessions of the scientific forum “Sustainable development and green economy”:

1. Innovations in Greenhouse Gas Capture and Conversion
2. Innovations in Nanomaterials for Energy Generation and Conversion
3. Sustainable Environmental Rehabilitation
4. Sustainable Development of the Chemical and Food Industry
5. Green Economy, Increasing Export Potential and Modern Pedagogical Technologies

KEY DATES

May 29, 2025 – Opening of the conference and Plenary reports.

FORMS OF PARTICIPATION IN THE CONFERENCE:

- presentation of a plenary report – up to 15 minutes (10 minutes report and 5 minutes questions-answers);
- presentation with a sectional report – up to 10 minutes (7 minutes report and 3 minutes questions-answers);
- participation in a conference with poster presentation (publication of posters)
- participation in a conference without a report (publication of materials in a collection).

PROGRAM

INTERNATIONAL SCIENTIFIC FORUM

"SUSTAINABLE DEVELOPMENT AND GREEN ECONOMY"

Venue: Conference hall of the Faculty of Chemical Engineering TICT

Date: May 29, 2025, Time: 9:00-17:00, Address: Tashkent, st. Mirzo Ulugbek, 41.

For online participants, connect to the Zoom conference:

<https://us06web.zoom.us/j/88207943991?pwd=tLOhXtSRrpQixqJ2vYB8l1m0zof0Da.1>

Meeting ID: 882 0794 3991

Passcode: 769626

May 29, 2025 (Thursday) 9⁰⁰–13⁰⁰ Plenary session. Conference hall of the Faculty of "Chemical Engineering" TICT Moderators: Dr. Zebo Babakhanova and Dr. Khayrulla Pulatov		
9⁰⁰ – 9³⁰	Registration of Forum participants. Poster session (full day). Exhibition of the results of scientific research of the institute, exhibition of industrial partners (full day).	Entrance hall of Faculty of Chemical Engineering of TICTI
9³⁰ - 10⁰⁰	Opening of the scientific forum:	Representative of Ministry of higher education, science, and innovations
		Representative of JSC “Uzkimyosanoat”
		Dr. Usmonov Botir Shukurillaevich Rector of Tashkent institute of chemical technology
10⁰⁰-10¹⁵	Scientific speech: Université Paris Cité & CNRS, France	Dr. Mohamed Mehdi Chehimi Biochar: sustainable materials, chemistry and applications
10¹⁵-10³⁰	Scientific speech: University of São Paulo, Escola Politécnica, Brazil	Dr. Jose Roberto Simões Moreira Concentrated Solar Energy Simulator for Producing Solar Fuels
10³⁰-10⁴⁵	Scientific speech: Tashkent institute of chemical technology, Uzbekistan	Dr. Zafar Turakulov and Azizbek Kamolov TECA and MCDA analysis for CO ₂ capture from NGCC power plant
10⁴⁵-11⁰⁰	Scientific speech: University of North Dakota, USA	Dr. Ali S. Alshami The Energy-Water Nexus: Meeting the Challenges Through Green and Sustainable Gas and Water Purification Membranes
11⁰⁰ -11⁰⁵	Photo session	
11⁰⁵-11³⁰	Coffee break	
Moderators: Dr. Shakhnoza Salijanova and Dr. Khayrulla Pulatov		
11³⁰ -11⁴⁵	Scientific speech: Qatar university, Qatar	Dr. Kamel Eid Cotton Wastes Driven Scalable Design of Hierarchal Porous Carbon Nanofibers Encapsulated Heteroatoms and Pt-free Nanocrystals for Green Hydrogen Production

11 ⁴⁵ -12 ⁰⁰	Scientific speech: Tashkent institute of chemical technology, Uzbekistan	Dr. Narges Samanian Baghersad Smart biodegradable packaging
12 ⁰⁰ -12 ¹⁵	Scientific speech: University of São Paulo, Brazil	Dr. Lelia Cristina da Rocha Soares Sustainable perspectives on the use of hydrogen produced from ammonia
12 ¹⁵ -12 ³⁰	Scientific speech: Tashkent institute of chemical technology, Uzbekistan	Dr. Octavio Calvo Gomes The Healing Power of Sulfur Volatiles
12 ³⁰ -12 ⁴⁵	Scientific speech: University of São Paulo, Brazil	Dr. Claudio Augusto Oller do Nascimento Turquoise Hydrogen
12 ⁴⁵ -13 ⁰⁰	Scientific speech: Integral University, India	Dr. Nida Fatima Entrepreneurship as a Catalyst for Sustainable Development: Lessons from India's Startup Ecosystem (Online)
	Closing speeches	The discussion of the results.
13 ⁰⁰ -14 ⁰⁰	Lunch	

May 29, 2025 (Thursday)
14⁰⁰-17⁰⁰

Forum sessions (working lang.: English)
Conference hall of the Faculty of "Chemical Engineering" TICT

14 ⁰⁰ -15 ²⁰	All sessions 1-5 Scientific speeches	Moderators: Lelia Suarez Igitov Farrukh
14 ⁰⁰ -14 ¹⁰	Syed Aqeel Ahmad (India)	Green fuel for the future of sustainable transportation (online)
14 ¹⁰ -14 ²⁰	Fares Abedalwally Ogleh Al Momani (Qatar)	Sustainable Protein Alternatives: Single-Cell Protein (SCP) Production for Livestock Feed within a Circular Economy (online)
14 ²⁰ -14 ³⁰	Jaloliddin Eshbobayev	Water treatment using solar energy
14 ³⁰ -14 ⁴⁰	Xandamov Davron	Mechanism of Chromium ion removal from water using activated bentonites
14 ⁴⁰ -14 ⁵⁰	Paulo Cardozo	Cost of offshore CCS
14 ⁵⁰ -15 ⁰⁰	Aboubakr M. Abdullah Ali	Corrosion Behavior of Different Steels in Sweet and Sour Environments: Insights from Research in Qatar
15 ⁰⁰ -15 ¹⁰	Morad Amir IREK Springer (online)	Scientific Publishing and Knowledge Exchange
15 ¹⁰ -15 ²⁰	Shaxnozaxon Gaipova	Analysis of the oil phase in oily emulsion products
15 ²⁰ -15 ³⁰	Time break for sessions and moderator change	
15 ³⁰ -16 ⁴⁰	All sessions 1-5 Scientific speeches	Moderators: Mavlanova Feruza and Paolo Cardozo
15 ³⁰ -15 ⁴⁰	Alvina Farouqui (online)	Cyanobacteria: A sustainable bioresource for circular economy

15⁴⁰-15⁵⁰	Muinov Ulug'bek	Optimization of Small Wind Turbines Using ANFIS for Rural Energy Systems
15⁵⁰-16⁰⁰	Maksudova Aziza	Efficient biological water treatment
16⁰⁰-16¹⁰	Esemuratova Gulbakhar	Development of rural wastewater treatment in Nukus city
16¹⁰-16²⁰	Shahzod Sheraliev	Sustainability Report of Tashkent Institute of Chemical Technology
16²⁰-16³⁰	Tursunova Dilshoda	Monte Carlo molecular modeling of methylene blue adsorption on titanium oxide–iron molybdate composites in aqueous solution
16³⁰-16⁴⁰	Hamroyev Sanjar	The role of green energy in strengthening the sovereignty of Uzbekistan
16⁴⁰-17⁰⁰	Conclusions and Awards	

May 29, 2025 (Thursday)

14⁰⁰-17⁰⁰

Forum sessions (working lang.: Uzbek And Russian)

M.U. Room 319, Lecture hall of the Faculty of "Chemical Engineering" TICT

14⁰⁰-17⁰⁰	Sessions 1-3	Moderators: E. Saidaxmedov, Umarova V.
Scientific speeches		
16⁴⁰-17⁰⁰	Conclusions and Awards	

May 29, 2025 (Thursday)

14⁰⁰-17⁰⁰

Forum sessions (working lang.: Uzbek And Russian)

M.U. Room 224, Lecture hall of the Faculty of "Chemical Engineering" TICT

14⁰⁰-17⁰⁰	Sessions 4-5	Moderators: A. Jo'rayev, X. Muzaffarova, A. Normatov, D. Maksumova, F. Kasimova, K. Haydarova
Scientific speeches		
16⁴⁰-17⁰⁰	Conclusions and Awards	

May 29, 2025 (Thursday)

14⁰⁰-16⁰⁰

Forum poster sessions

Entrance hall of the Faculty of "Chemical Engineering" TICT

14⁰⁰-16⁰⁰	All Sessions 1-5	Moderators: D. Begmatov
Poster sessions		
16⁴⁰-17⁰⁰	Conclusions and Awards	

XXXIV REPUBLICAN SCIENTIFIC CONFERENCE “YOUNG CHEMISTS”

The conference aims to identify solutions to theoretical and practical issues, such as scientific research, innovations, and the creation of technologies for applying their results in production in various fields of the economy - chemistry, mathematics, engineering, natural sciences, production technologies, agricultural sciences, environmental protection, life safety, economics, social and humanitarian sciences, and to draw scientific and practical conclusions on solving urgent issues in the fields. The conference will be attended by professors, researchers, young scientists, and young scholars from higher educational institutions of our republic.

Sections of the scientific conference and their addresses “YOUNG CHEMISTS”

No	Name of the session	Address
1.	Technology of inorganic substances	Alisher Navoi St. 32, block 1, third floor, main conference hall of the Faculty of "Food and wine production technologies" TICT
2.	Technology of organic and high molecular compounds.	
3.	Technology of oil and gas processing	
4.	Technology of safe food products. Biotechnology	Alisher Navoi St. Room 3/102, Lecture hall of the Faculty of "Food and wine production technologies" TICT
5.	Computer methods and fundamental sciences in chemical technology	Alisher Navoi St. Room 2/303, Lecture hall of the Faculty of "Food and wine production technologies" TICT
6.	Innovations in education, industrial economics, product quality and management, social and humanitarian sciences	Alisher Navoi St. 32, block 2, first floor, conference hall of the International relations office, TICT
7.	Industrial ecology and safety of life	

KEY DATES

May 30, 2025 – Opening of the conference and Plenary reports.

May 31, 2025 – Sectional reports.

FORMS OF PARTICIPATION IN THE CONFERENCE:

- presentation of a plenary report – up to 15 minutes (10 minutes report and 5 minutes questions-answers);
- presentation with a sectional report – up to 10 minutes (7 minutes report and 3 minutes questions-answers);
- participation in a conference with poster presentation (publication of posters)
- participation in a conference without a report (publication of materials in a collection).

PROGRAM OF SCIENTIFIC CONFERENCE “YOUNG CHEMISTS”

Venue: Conference hall of Faculty of food and wine technologies of TICTI

Date: May 30, 2025, Time: 9:00-17:00, Address: Tashkent, st. A. Navoiy, 32.

For online participants, connect to the Zoom conference:

<https://us06web.zoom.us/j/88207943991?pwd=tLOhXtSRrpQixqJ2vYB8l1m0zof0Da.1>

Meeting ID: 882 0794 3991

Passcode: 769626

DAY 1

May 30, 2025 (Friday)
9⁰⁰-14⁰⁰

Plenary session.
Conference hall Rectorate TICT

Moderators: Prof. T. Safarov, N. Khodjayeve

9³⁰ - 10⁰⁰	Registration of conference participants	Conference hall of Faculty of food and wine technologies of TICT
10⁰⁰-10³⁰	Opening of the scientific forum:	Prof. B.Usmonov Rector of Tashkent institute of chemical technology
	Greeting speeches:	Prof. G. Rakhmanberdiev
		Prof. A. Ikramov
		Prof. A. Shernayev
10³⁰-10⁴⁵	Scientific reports: Tashkent Institute of Chemical Technology	Asliddin Umaraliyev Faxriddin O'gli Education for a Green Economy: Preparing Future Generations for Sustainability Supervisor: PhD.U.R.Kadirov

10⁴⁵-11⁰⁰	Scientific reports: Tashkent Institute of Chemical Technology	O'ng'arov Sardor Alisher o'g'li Scientific basis of suitable treatment technologies for industrial and domestic wastewater Supervisor: PhD K.I. Usmanov
11⁰⁰-11¹⁵	Scientific reports: Tashkent Institute of Chemical Technology	Xumara Abdashimova Abrarovna Extraction of biologically active compounds from maclura pomifera fruit Supervisor: dots. G. A. Nazarov
11¹⁵ -11³⁰	Scientific reports: Academy of Labour and Social Relations	Abduhakimova Dinora Ilxom qizi Advantages and prospects of using virtual reality technologies in the educational process Supervisor: dots: N.M. Abdulxayev
11³⁰ -11⁴⁵	Scientific reports: Tashkent Institute of Chemical Technology	Kadirniyazova Shoir Dentin synthesis based on the system Na ₂ O-MgO-K ₂ O-Sb ₂ O ₃ -Al ₂ O ₃ -SiO ₂ -ZrO ₂ Supervisor: prof. M.Kh.Aripova
11⁴⁵-12⁰⁰	Scientific reports: Academy of Labor and Social Relations	Maksudova Nigora Organic chemistry, technology, creativity Supervisor: prof. X.L.Pulatov
12⁰⁰-12¹⁵	Scientific reports: Tashkent Institute of Chemical Technology	Tashbaev Jakhongir The use of portland cement in dentistry: properties, applications, and advancements Supervisor: prof. M.Kh.Aripova
12¹⁵ -12³⁰	Photo session	
12³⁰-13³⁰	Lunch	

DAY 1

May 30, 2025 (Saturday)

14⁰⁰-17⁰⁰

Conference sessions

Conference lecture halls of faculties

13³⁰ –14⁰⁰	Registration of participants
14⁰⁰–16⁰⁰	Conference sessions. Scientific speeches.
16⁰⁰–17⁰⁰	Poster sessions.

DAY 2

May 31, 2025 (Saturday)

10⁰⁰–13⁰⁰

Conference sessions

Conference and lecture halls of faculties

9³⁰ –10⁰⁰	Registration of participants
10⁰⁰–13⁰⁰	Conference sessions. Scientific speeches.
14⁰⁰–16⁰⁰	Poster sessions.

