

QUALITY ACHIEVEMENTS
Department of Chemistry and Chemical Engineering
For the 2024-2025 academic year

1 Educational and methodological work	<p>During the reporting period, training was provided in five undergraduate programs, two master's programs, and two doctoral programs. The 6B07109- Oil and Gas Refining program is taught in English, and the innovative Chemical Technology of Natural Energy Resources, Petrochemical Products, and Polymers program is also offered.</p> <p>The department's faculty conducted 13 open classes, and 13 mutual visits were made. As part of the program of events dedicated to the 65th anniversary of Toraighyrov University, open lectures were given by department professors and leading engineers from industrial enterprises.</p> <p>A roundtable discussion, "The Current State of the Chemical Industry," was held to commemorate the 100 th anniversary of Academician, Doctor of Technical Sciences, Professor E. Buketov, with the participation of representatives from regional enterprises.</p> <p>Reports on the open classes were published on social media.</p> <p>As part of the advanced training program for the department's teaching staff, Professor Gerhard Lapke (Germany) delivered the course "Modern Petroleum Technology - Examples from Western Europe" from November 18-29, 2024.</p>
2 Academic mobility and foreign lecturers	<p>As part of the academic mobility program, students of group HTPE-202, Aiguzhinov D. and Urumov A., studied at the Samarkand State University named after Sharof Rashidov (Republic of Uzbekistan) from January 30, 2025 to June 8, 2025.</p>
3 Scientific work	<p>Within the framework of grant funding from the Scientific Research Institute of the Ministry of Higher Education of the Republic of Kazakhstan, the department continues to implement research projects and projects AP22787570 "Comprehensive study of determining the sources of soil pollution in the cities of Kazakhstan using modern methods of analysis and modeling" - supervisor I.M. Radeluk. Project AP23486826 "Development of composite ceramic materials based on man-made waste" - supervisor M.A. Yelubay.</p> <p>Under the postdoctoral program "Zhas galym", senior lecturer Zh.K. Fazlutdinova won a grant on the topic: "Determination of noble metals in mineral raw materials on modified carbon-containing electrodes using stripping voltammetry." Deadline - 2027.</p> <p>Participation in the Republican Student Subject Olympiad in the educational program "6B07108 - Chemical Technology of Organic Substances" (Almaty):</p> <p>Based on the results of the Olympiad, all members of the "XTOB-302" team were awarded participation certificates. In the individual competition, Umar Amirzhanuly was awarded a third-place diploma. Supervisor: M.Zh. Sadvakasova, Senior Lecturer, Department.</p> <p>Participation in the Republican Student Subject Olympiad in the educational program "6B07107 - Chemical Technology of Inorganic Substances" (Karaganda):</p> <p>Based on the results of the Olympiad, the "Catalysts of Luck" team was awarded a second-degree diploma in the team competition. The following were awarded in the individual competition:</p>

	<ul style="list-style-type: none"> - Gulsina Ildarovna Kadieva was awarded a second-degree diploma; - Daniil Aleksandrovich Ostanin was awarded a third-degree diploma; - Maxim Evgenievich Khaletskiy was awarded a third-degree diploma. <p>Supervisor: Assistant Professor of the Department S.R. Masakbaeva.</p> <p>Participation in the Republican Subject Olympiad for Students in the 6B05302-Chemistry Program (Karaganda):</p> <p>Vladimir Vladimirovich Antonenko was awarded a third-degree diploma in the individual competition. Supervisor: Senior Lecturer of the Department A.S. Oraltaeva.</p> <p>Anar Tutqyshbaeva was awarded a second-place diploma from the IHE in the 2025 competition for the program "Chemical Technology of Organic Substances." Her supervisors were A. Zh. Kasanova, PhD, Associate Professor, and M. T. Estaeva, Senior Lecturer and Master's Student.</p> <p>A third-place diploma from the IHE was awarded for the 2025 competition for the program "6B053 Chemistry." Her supervisors were A. I. Gurtovaya and K. A. Menshikova. Her supervisors were A. Zh. Kasanova, PhD, Associate Professor, and M. T. Estaeva, Senior Lecturer and Master's Student.</p> <p>Participation in the annual ERG Skills professional skills competition for the Pavlodar region. Alexandra Tsopkalo, student of group HTOV-202c, took first place in the "Laboratory Chemical Analysis" competency. Supervisor: senior lecturer Fazlutdinova Zh.K.</p>
4 Educational work	<p>The department's educational work was carried out in accordance with the Faculty of Natural Sciences' educational plan:</p> <ul style="list-style-type: none"> - patriotic education was promoted; - mentoring sessions were held on the topics of "Constitution Day," "Independence Day," and "Unity of the Peoples of Kazakhstan Day." Faculty members participated in "Health Day." Faculty members were on duty in the dormitories according to the campus duty schedule.

Discussed and approved at the department meeting (August 28, 2025, minutes No. 1)

Head of Department



Massakbayeva S.R.

