



**FACTBOOK OF
KERMANSHAH
UNIVERSITY OF
MEDICAL SCIENCES**

2025



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**Kermanshah
University of
Medical Sciences**

2025



Welcome

We are thrilled to present the 2025 Kermanshah University of Medical Sciences (KUMS) Factbook. This book showcases **KUMS** history, achievements, programs, faculties, students, staff, facilities, and accommodation. The information was updated from reliable sources across various university departments in January 2025. You can find general and detailed information about the university, its departments, and related activities on the following website. This includes information about the university's research and education. For further information, please contact the Office of Global Strategies and International Affairs.

We would like to express our sincere gratitude and appreciation to everyone who supported us in compiling the information included in this edition of the **KUMS Factbook**.

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Message from the KUMS Chancellor

Dear students and esteemed members of the community, I am pleased to present our university factbook, a comprehensive resource that elucidates the rich history, vibrant culture, and innovative programs defining our esteemed institution. As Chancellor, I take great pride in the unwavering dedication and exceptional achievements exhibited by KUMS in furthering our mission of education, research, and service.

This factbook contains critical information pertaining to our academic offerings, student demographics, faculty accomplishments, and campus facilities, serving as a testament to our commitment to delivering a world-class educational experience to all individuals who become part of our community.

I encourage you to engage with this factbook and uncover the numerous ways our university is making a meaningful impact on society. Together, we are shaping the future and creating pathways for success and growth. Your involvement is invaluable to our continued success and unwavering pursuit of excellence. Thank you for being an essential part of our university community.

**Dr. Ali Soroush,
Chancellor,
Kermanshah University of
Medical Sciences**





Institutional overview



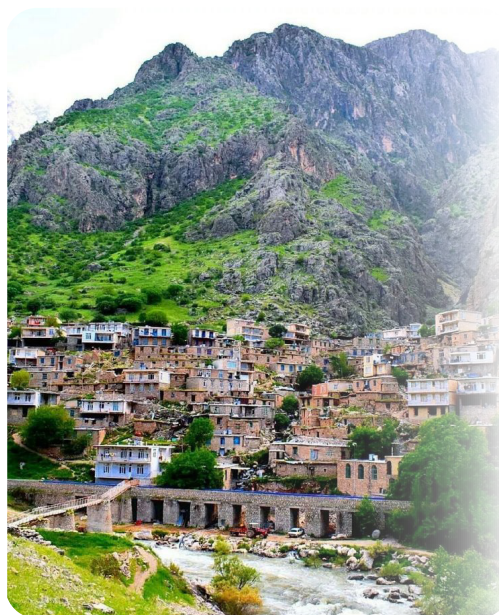
About Kermanshah

Kermanshah is a city located in western Iran and serves as the capital of Kermanshah Province. The city has a rich history dating back to ancient times, with archaeological evidence indicating that it was inhabited as far back as the prehistoric period.



Kermanshah is known for its historical sites, including the Taq-e Bostan complex with its rock reliefs and ancient inscriptions, as well as the Bisotun Inscription, a UNESCO World Heritage Site that dates back to the Achaemenid Empire. The city also boasts a vibrant cultural scene, with museums, theaters, and art galleries showcasing the region's artistic heritage.





In addition to its cultural attractions, Kermanshah is an important economic center in western Iran, with industries such as agriculture, mining, and manufacturing playing a significant role in the local economy. The city is also home to several universities and research institutions, making it a hub for education and innovation in the region.

The people of Kermanshah are warm and friendly. The languages spoken in this city are Kurdish and Farsi. The beautiful nature, together with its people dialects and their spiritual and religious characteristics, make the province substantially unique in the region.

Overall Kermanshah is a city with a rich cultural heritage, a strong economic base, and a vibrant academic community, making it a dynamic and diverse place to live and visit.



About KUMS



Kermanshah University of Medical Sciences (KUMS) was established in 1968 as the Nursing High School and evolved into the Medical College in 1975. Following the Islamic Revolution, it was transformed into a Medical University in 1985. With a rich history and a strong emphasis on medical education, training, and research, KUMS has become instrumental in equipping healthcare professionals for the job market. The university boasts a dedicated team of academic staff and a substantial student population, both of which contribute significantly to its mission.

KUMS not only offers high-quality education but also engages in impactful research across various medical disciplines, fostering advancements in allied health sciences. Its commendable commitment to enhancing public health through scientific initiatives is evident in its numerous faculties and affiliated hospitals, positioning KUMS as a central hub for medical education and innovation in Kermanshah Province. Recognized for its excellence in educational management and quality, KUMS ranks prominently among universities in Iran. The university's academic staff are fervent about advancing knowledge through their teaching and research efforts.





Based on the vote of 222th meeting of the Development Council of Universities of Medical Sciences on March 2013 ,18, Kermanshah University of Medical Sciences was promoted to type I university. It was also recognized as the national pole of community-oriented medicine at the same year.

Moreover, the educational management of KUMS has ranked first in the latest educational ranking of universities (RAD plan). Furthermore, in the overall educational ranking of universities in 2024, KUMS ranked first among the universities in the west of Iran and ranked sixth in the domain of qualitative development of education among universities in Iran. Moreover, it was listed by the Academic Ranking of World Universities (Shanghai Ranking) among the top 500-400 universities in the world.

KUMS in a Glance

Established in	1968
Developed into the Medical University in	1985
Number of Vice Chancellors	7
Number of Faculties	9
Number of IPD Hospitals and Clinics	10
Number of Research Centers	13
Academic Journals	6
Published Articles	11304
H-index	128
Number of Academic Staff	542
Number of Students	5491
Fields of Study	104



The Organizational Mission Statement

KUMS is dedicated to fostering research and cultivating scholars who excel in their respective fields, promoting learning and research, and nurturing leaders who will shape the future of our global society across various disciplines. The university is also committed to leading a qualitative and quantitative transformation in medical education by creating an environment that fosters research and academic culture to enhance the current healthcare system.

We strive to provide transformative experiences for both students and faculty members within an inclusive and collaborative setting, where innovative scholars generate bold ideas, tackle complex challenges, and distinguish themselves as active global citizens. By blending the academic excellence of a leading research university with the practical experiences of an institution that reflects a microcosm of the world in terms of its history, location, and diversity, KUMS prepares students for the world they will enter upon graduation. KUMS strategic vision has been crafted from five specific goals, articulating its aspirations and providing a framework for pursuing excellence in scholarship, research, and community enrichment.

KUMS has committed to :

- anticipating, understanding, and preparing for the future of higher education.
- promoting student success.
- enhancing research endeavors.
- creating a sustainable revenue model to facilitate continuous growth and improvement.
- enhancing community engagement.



Vision:

Our aim is to be a leading public research university and cultivate innovative scholars across various disciplines that profoundly impact each other and, consequently, the world. To achieve this, KUMS aims to accomplish the following objectives for the benefit of students, society, the country, and ultimately the world

- Developing the necessary capabilities to deliver high-quality educational services to enhance academic standing regionally and internationally.
- Playing an active role in documenting our accomplishments, conducting research, and publishing scientific articles in international journals.
- Enhancing the health status of individuals in society by addressing their healthcare needs, acquiring the necessary technology for producing essential medical supplies, and improving the quality and diversity of specialized healthcare services.

Main Goals and Responsibilities

Goals:

- Offering knowledge, experience, and a multicultural perspective that enable you to explore, learn, question, create, and succeed as valuable members of a global society in your chosen professions.
- Nurturing talents through scientific teaching and research in the fields of medical and allied sciences to help prepare and provide the specialized workforce required for the country.
- Setting up research facilities to identify unknown potential factors and enhance scientific capabilities to address health issues.
- Enhancing healthcare facilities in society through treatment centers, organizations, and their associated healthcare centers.



Responsibilities:

- Training students in various areas of Medical and Allied Health Sciences and developing community-based medical education.
- Establishing relationships with other universities and facilitating the exchange of academic staff and students with universities both domestically and internationally.
- Organizing scientific and educational seminars and conferences.
- Authoring, translating, and publishing books and journals in various fields of medical sciences.
- Implementing the general policies of the Ministry of Health and Medical Education and overseeing efforts to enhance public health through the implementation of health programs, particularly in environmental health, disease prevention, family and school health, public health education, and occupational health, with a focus on healthcare measures for mothers and children.
- Providing guidance and briefings to authorities involved in planning, ensuring

alignment and coordination of programs based on priorities.

- Supervising demographic studies and analyzing resulting statistics related to health programs to assess the quality and quantity of health initiatives.

Collaboration

KUMS contributes to the advancement of society by fostering partnerships with students, businesses, industries, government bodies, accrediting agencies, and the communities it serves.

Diversity

KUMS embraces a variety of ideas, beliefs, and cultures by providing a supportive, safe, and welcoming campus environment.

Ethical Community

KUMS upholds the inherent dignity of every university member and treats all individuals with respect, guided by principles of fairness, honesty, and integrity regardless of race, religion, or gender.



Excellence

Committed to innovation and creativity, KUMS aims to achieve high-quality outcomes in all its endeavors.

Learning

KUMS values education that is career-oriented, integrates theory and practice, fosters critical thinking, promotes active learning, and instills a sense of responsibility and a lifelong pursuit of knowledge.

Opportunity

With a focus on developing career skills and knowledge, KUMS offers opportunities for community engagement, leadership development, progress, and success.

KUMS Capabilities

- KUMS boasts notable capabilities and features, including
- Offering training in all branches of medical specialties at the university.
 - The renowned Imam Reza (AS) Hospital, recognized as the top hospital in the western region of Iran with the highest evaluation ranking in the country.
 - Implementation of an educational program for nurses to cater to the healthcare needs of the western region of Iran.
 - A leading trauma center situated at Taleghani Hospital, fully equipped and staffed to provide care for patients with severe traumatic injuries like falls, motor vehicle accidents, or gunshot wounds.
 - Our departments and centers are equipped with cutting-edge technology.



KUMS Global Strategies and International Affairs (GSIA)

As one of the largest medical sciences universities in Iran, KUMS has undoubtedly recognized the importance of expanding into the international realm of higher education. Our achievements and capabilities allow us to be assessed by international standards in higher education. Consequently, the Global Strategies and International Affairs (GSIA) office has developed various frameworks and strategies to enhance KUMS's international activities effectively. KUMS has embarked on an exciting journey towards becoming a renowned international university. In the meantime, we approach, address, and overcome challenges with care and precision. We have already seen significant improvements and progress in international development, and we are eager to continue this trend in the future. Internationalization is a crucial aspect of KUMS's future development, leading to collaborations with various international institutes and universities. To achieve this goal, KUMS is involved in numerous international activities, including student/scholar/staff mobility (both to and from KUMS), joint educational services with other universities (MOU) and higher education institutions, and collaboration with research projects. These interactions help enhance KUMS's international reputation.

GSIA aims at:

- Respecting all ethnic backgrounds
- Offering high quality training courses
- Enhancing KUMS internationalization
- Graduating qualified health care providers
- Emphasizing on financial clarity in students' tuition fees





Admission Requirements

Applicants must meet the standards in each of the following areas

- Complete specific high school coursework.
- Obtain suitable grades in specified courses.
- Successfully graduate from high school.

To complete your application and registration procedures, please follow the instructions below:

1. Fill out the Online Application Form via <https://www.kums.ac.ir/en/apply/applicationform>.

Requirements

- The English transcript of your previous degree certification/license certified by the Islamic Republic of Iran Embassy/Consulate.
- A passport-sized photo.
- A high-quality scan of the main pages of your passport.
- Supplementary Information Form.

2. Review Process

Once your application is complete, it will be reviewed, and you will be notified of the result by the Global Strategies and International Affairs (GSIA) office.

3. Admission Confirmation Letter

Your Admission Confirmation Letter will be issued by GSIA.

4. Applying for a student visa

To proceed with your student visa, please submit your documents at www.saorg.ir Upon your request, the student visa will be issued by the Islamic Republic of Iran Embassy/Consulate in your own country. This process typically takes 4 to 8 weeks.



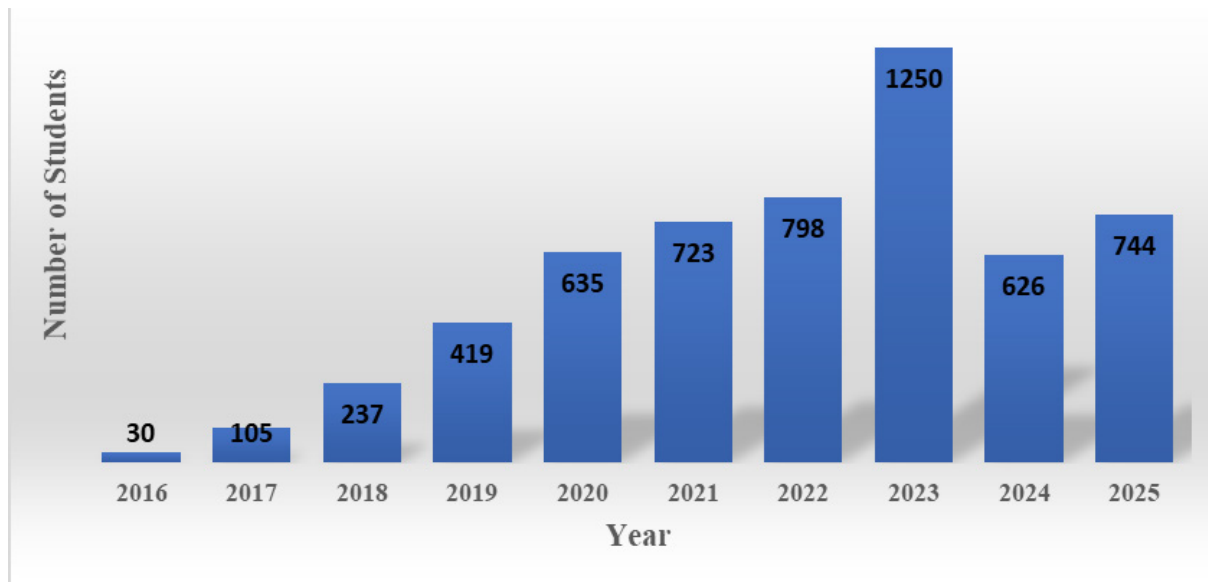
5. Residence permit

Upon your arrival, a one-year residence permit will be issued by the Foreign Students Affairs Organization (SAORG).

6. Student enrollment

You are required to submit the original English transcript of your previous degree certification/ license certified by the Islamic Republic of Iran Embassy/Consulate, your original passport and Offer Letter, and passport-size photos (12 copies) to the **GSIA** office. You will then be introduced to the Vice Chancellor for Education. After submitting your original documents, your admission confirmation letter will be issued for the relevant faculty, and finally, you will be registered by the Faculty's Education Office.

Students Admission Trend from 2016 to 2025



Graduation Ceremony



KUMS hosts an annual graduation ceremony attended by authorities, professors, graduates, and students. During the ceremony, graduates receive their diplomas from their professors and have photo opportunities with their fellow alumni, family, and friends.





Vice Chancellors at KUMS

- **Vice Chancellor for Education**
- **Vice Chancellor for Cultural & Student Affairs**
- **Vice Chancellor for Research and Technology**
- **The Vice Chancellor for Public Health**
- **The Vice Chancellor for the Food and Drug Administration**
- **Vice Chancellor for Resource Management Affairs**
- **Vice Chancellor for Clinical Affairs**



The Vice Chancellor for Education at KUMS is tasked with developing policies, creating plans, overseeing and guiding academic matters, ensuring compliance with educational regulations, making decisions regarding educational issues, improving the quality of education, conducting training sessions, and evaluating their effectiveness.

Improvement of educational facilities

-Allocation of 32000 square meters to educational centers and 3000 square meters to the library.

Key Responsibilities

- Collaborating with relevant authorities to develop and present various academic regulations, establishing guidelines for educational programs, and monitoring their execution post-approval.
- Assessing students' academic progress and performance.
- Reviewing and making decisions on academic matters, as well as designing curricula and exams.
- Supervising the implementation of educational and academic activities through the Monitoring and Evaluation office.

Actions Taken in 2024

1. Seven educational-treatment centers in Kermanshah received their first-time accreditation for a three-year period, highlighting progress in healthcare quality.
2. Institutional accreditation has been successfully renewed for another three years, ensuring ongoing standards of excellence.



3. The subspecialty of Plastic Surgery is set to launch soon in Kermanshah after obtaining necessary certification and final approval.
4. Postgraduate programs have secured final board approval, with student admissions beginning in October.
5. The first MPH program focused on disease control will be introduced in Kermanshah, with a decentralized process for admissions and exams.
6. A lymphoedema clinic was established at the Farabi Educational-Treatment Center, providing vital services through collaboration with university faculties.

Launching postgraduate programs

- Obtaining approval for two majors in master degree level,
- Approval of pharmacology and tissue engineering majors in Ph.D. level,
- Approval of oral and maxillofacial surgery and dentistry majors.
- Launching health management programs in the Faculty of Public Health.

Organizing the process of student transfers

- Implementing processes within the electronic system and eliminating unnecessary administrative correspondence.
- Forming a university committee for transfers, and implementing a transparent process regarding student requests.

Completing the database of the status of conscription students in the educational system

- Organizing the status of conscription service,
- Activating system alerts to prevent problems related to conscription service for students.



Preparing the necessary databases for educational information

- Database of decisions approved by the Special Cases Commission and Regional Committees.
- Database of information on committed individuals serving in underprivileged areas of the province.

Organizing student files

- Monitoring physical files for document deficiencies and rectifying existing shortcomings.
- Addressing issues related to conscription service.

Facilitating Educational Affairs

- Delegating authority to faculties for matters such as educational leave to avoid unnecessary correspondence
- Facilitating educational services by streamlining processes such as issuing enrollment certificates and financial settlements within the electronic system.
- Eliminating the possibility of curriculum and exam schedule conflicts by activating the academic system.

Setting up and activating administrative structures related to student education

- Activating the Student Education Development Committee and drafting documented processes to fulfill the students' requests.
- Activating the University's Bright Talent Commission and moving towards providing more services to talented students.



Vice Chancellor for Cultural & Student Affairs



The Vice Chancellor for Cultural & Student Affairs is responsible for providing welfare and necessary facilities for students. This includes offering cultural, sports, and counseling services to support students in their educational, cultural, and social development. The office works towards ensuring that students can progress effectively in all aspects of their lives.

The Vice Chancellor for Student Affairs is supported by various departments such as the Office of Student Counseling, Student Disciplinary Committee, Public Relations, IT, and Financial Affairs. These departments assist in carrying out tasks

and achieving the defined objectives set by the Vice Chancellor for Student Affairs.

Responsibilities

Student Management

- Coordinate the implementation of welfare programs and student services.
- Supervise student food provision based on established indicators.
- Enhance student accommodation facilities.

Counseling

- Empower individuals and promote mental health among students.





Physical Education Management

- Promote physical health and encourage student participation in sports.
- Organize sports services, camps, and facilitate student participation in sports competitions.

Chastity and Hijab

- Ensure compliance with professional dress code regulations in the university environment.

Public Relations Management for the Student Cultural Vice-Chancellor (MEFDA)

- Disseminate announcements related to nutrition, cultural events, pilgrimage camps, Quranic programs, dormitories, transportation services, and internet access.

Informatics

- Support student nutrition, dormitory, and internet cafe devices.
- Manage student communication controls and equipment installation.
- Cultural Management
- Organize cultural and extracurricular activities to nurture talents, enhance abilities, and provide enriching experiences for students.



The Vice Chancellor for Research and Technology oversees research, health information, and technology initiatives through three management units: research development and evaluation, health information development, and medical information and resources. The goal is to enhance scientific productivity and knowledge generation. The office supervises and supports research activities of academic and non-academic staff, manages research projects in research centers, and fosters collaborations with other academic institutions. Macro policies in research and technology are based on existing documents.

Key Responsibilities

- Establishing and developing research centers
- Approving and monitoring research projects
- Empowering academic staff, researchers, and entrepreneurs
- Facilitating academic staff participation in sabbaticals, congresses, and conferences abroad
- Publishing books and enhancing scientific journals
- Encouraging researchers
- Promoting small and medium technology-based companies
- Marketing academic research products
- Collaborating with industries and creating career opportunities
- Providing equipment, expert consultations, and space for scientific and technological activities
- Implementing technical knowledge and investments
- Approving knowledge-based projects
- Selecting specialized information resources
- Training users to access information resources effectively
- Offering Selective Dissemination of Information (SDI) services
- Compiling reports on the university's scientometrics and scientific productivity in databases like ISI and Scopus.



Key Achievements in 2024

- 1st Place nationally among Iranian medical universities in the Times Higher Education Ranking (November 2024)
- 6th Place in the Ministry of Health's Annual Evaluation of Iranian medical universities
- Sleep Disorders Research Center selected as a Top Center at the 30th National Razi Medical Sciences Research and Technology Festival
- Rojin Tak Agro-Industry Co. (a Science Park member) selected as an Outstanding Company at the Razi Festival
- 3rd place by the university faculty member in Razi Festival selected by the Basic Medical Sciences Committee.
- Nine faculty members honored at the 6th National Conference on Scientific and Research Authority
- Clinical Research Development Unit at Imam Reza Hospital ranked 3rd among top-tier medical universities (after Shiraz and Mashhad)
- Health Policy and Promotion Research Institute received operational license(August 2024)
- Hosted International Conference on Biomedical Materials (May 2024)
- 53 researchers from KUMS ranked among the top %2 scientists worldwide by Stanford University (October 2024)
- University-affiliated company won a Gold Medal at the Korean National Innovation and Invention Festival
- KUMS's USERN Office recognized as the Top Performing USERN Office Worldwide (2024)



Health Technology Center

Main Responsibilities:

- Providing effective and necessary services to technology units.
- Organizing the available capabilities and facilities to connect the university's resources with industries.
- Creating a conducive environment for scientific and engineering activities to attract national and international specialists.
- Promoting research to develop new products and processes.



Department of Medical Informatics and Scientific Resources

Main Responsibilities:

- Providing guidance and support in selecting necessary resources for users.
- Ensuring researchers and students are taught how to use information resources effectively.
- Analyzing the university's scientific output compared to other institutions.
- Monitoring scientometric indices of the university.
- Identifying factors influencing faculty input and output to develop strategies for improvement.



Student Research Committee

Main Responsibilities:

- Approving student-focused research projects.
- Expediting approval of mentorship plans.
- Organizing student participation in seminars and conferences.
- Conducting research workshops and tours.





The Vice Chancellor for Public Health



The Vice Chancellor for Public Health is responsible for providing healthcare and medical services to residents of Kermanshah Province, including both rural and urban areas. It fulfills its main responsibility within the university by creating a bridge between the community health and medical needs on one side and community-based education at the university on the other side. It also conducts applied research tasks within the framework of predetermined duties in the health system through 15 institutional units to plan, guide, monitor, organize, and evaluate programs at the level of health centers in cities and towns (in coordination and cooperation with other university vice chancellors). In addition to directly interacting with the university chancellor and relevant vice chancellors, the Vice Chancellor for Public Health, and the general directorates (related to each institutional unit) at the Ministry of Health, Treatment, and Medical Education, receives support (scientific, financial, etc.) guidance, supervision, and organization. The main goal is to improve and maintain the overall health of the community. This office focuses on delivering high-quality, efficient healthcare services and evidence-based health management.



Key responsibilities

- Securing funding for healthcare services
- Decreasing out-of-pocket expenses for medical care
- Enhancing accountability and satisfaction among healthcare providers
- Improving the quality, coordination, and monitoring of healthcare services
- Developing the skills of directors, managers, and staff to maximize resources
- Establishing a comprehensive system for data management, information, and communication
- Building capacity and frameworks for applied research within the healthcare system.

The Vice Chancellor for Public Health operates in two areas:

- Technical Deputy (technical and specialized units)
- Executive Deputy (executive and support units) under the supervision

of the university chancellor in coordination and collaboration with other university's vice chancellor.

Technical Deputy (technical and specialized units)

- Health Education and Promotion
- Health Network Development and Promotion
- Prevention and Combatting Communicable Diseases
- Prevention and Control of Non-Communicable Diseases
- Family and Population Health Management
- Environmental Health
- Adolescent, Youth and Schools Health
- Oral Health
- Nutrition Improvement
- Occupational Health
- Social Mental Health and Addiction
- Pharmaceutical Issues
- Laboratories
- Risk, Disasters and Accidents Management



Achievements in 2024

1. Primary Healthcare Expansion and Access

- Over 80% of the province's population covered by family physician services.
- Implementation of rural and urban family physician programs.
- Renovation and equipping of health houses and centers.

2. Maternal and Child Health

- Significant reduction in maternal and child mortality rates.
- Expansion of prenatal and postnatal care services.
- Introduction of programs for high-risk pregnancies and child developmental screenings.

3. Disease Prevention and Control

- Effective vaccination programs (over 95% coverage in most areas).
- Tuberculosis, malaria, and hepatitis surveillance and control programs.
- HIV/AIDS awareness and screening initiatives.

4. Health Education and Promotion

- Numerous public education campaigns on healthy lifestyles, nutrition, and physical activity.
- Integration of health education into schools and community centers.

5. Environmental and Occupational Health

- Regular monitoring of water quality, food safety, and environmental hazards.
- Workplace health and safety inspections.
- Waste management and pollution control measures.



6. Crisis and Emergency Management

- Active participation in managing public health crises (e.g., COVID19-).
- Formation of rapid response teams.
- Public awareness and vaccination drive during the pandemic.

7. Technology and Innovation

- Digitization of health records.
- Launch of electronic health systems (e.g., SIB and EHR platforms).
- Use of mobile health units in remote areas.

8. Training and Human Resources Development

- Continuous training programs for healthcare staff.
- Collaboration with universities for research and internships.
- Increased recruitment in underserved regions.



Supplementary vaccination in high-risk and inaccessible areas in 2025



The Vice Chancellor for the Food and Drug Administration

The Vice Chancellor for the Food and Drug Administration is responsible for safeguarding public health by ensuring the safety, security, and quality of food, beverages, cosmetics, pharmaceuticals, medical devices, herbal medicines, and dietary supplements.



Key Responsibilities

- Announcing and overseeing regulations for companies involved in the production, distribution, and preservation of food, pharmaceuticals, and cosmetics.
- Regulating and reviewing documentation for companies in these industries to ensure compliance with legal requirements.
- Monitoring packaging, labeling, and advertising of food, beverages, and cosmetic products.
- Collecting and analyzing information, statistics, and documents related to pharmaceuticals, food, beverages, and cosmetics.
- Ensuring compliance with regulations on additives, colors, and product quality by producers.
- Oversight of laboratories conducting testing on pharmaceuticals, food, and cosmetic products.
- Supervising manufacturing processes for pharmaceuticals, food, beverages, and cosmetics.
- Monitoring pharmaceutical activities and laboratory operations.
- Managing drug inventory for treatment facilities and overseeing requests for pharmaceutical supplies.
- Ensuring proper storage and handling of specific drugs and controlled substances.
- Collecting data on drug consumption to identify trends and potential health risks, and reporting findings to research teams for further investigation and preventive measures.



The main objectives of the Vice Chancellor for Resource Management Affairs (Logistics) are as follows

Provision and Development of Resources

The Vice Chancellor is responsible for ensuring the availability and development of human resources, physical infrastructure, and financial resources necessary for the smooth functioning of the university.

Efficiency and Effectiveness

The Vice Chancellor aims to enhance the efficiency and effectiveness of resource management processes and procedures within the university. This includes optimizing resource allocation, streamlining administrative tasks, and implementing best practices in logistics and supply chain management.

Innovation and Creativity

Encouraging a culture of innovation and creativity is another key objective. The Vice Chancellor seeks to explore new approaches and technologies to improve resource utilization, reduce waste, and enhance operational efficiency.

Flexibility and Adaptability

The Vice Chancellor strives to create an environment that is flexible and adaptable to changing needs and circumstances. This involves anticipating future resource requirements, implementing flexible resource allocation strategies, and adapting to emerging trends and challenges in resource management.



Responsibility and Accountability

The Vice Chancellor ensures that all resource management activities are carried out with a high level of responsibility and accountability. This includes maintaining accurate financial records, adhering to ethical and legal standards, and promoting transparency in resource allocation and utilization.

Support for Educational, Research, Health, and Treatment Units

The Vice Chancellor's role is to support and facilitate the needs of various units within the university, including educational departments, research centers, health facilities, and treatment units. This involves providing the necessary resources and infrastructure to enable these units to fulfill their objectives effectively.

Overall, the main objectives of the Vice Chancellor for Resource Management Affairs (Logistics) are to efficiently and effectively manage the university's resources, foster innovation and creativity, ensure flexibility and adaptability, promote responsibility and accountability, and support the various units in achieving their goals.





The Vice Chancellor for Clinical Affairs (Hospitals & Clinics) is responsible for enhancing the quality of healthcare services and reducing the burden of disease, injuries, and accidents in the community covered by the university, with the goal of improving the overall quality of life. Additionally, they are tasked with planning, monitoring, and overseeing health-related activities in secondary and tertiary healthcare services for both the public and private sectors.

The main focus of this role is to ensure that healthcare services are safe, accessible, equitable, affordable, patient-centered, evidence-based, and of high quality, in accordance with the healthcare standards set by the Ministry of Health and Medical Education

Key Responsibilities

- Accrediting and overseeing the clinical services provided by hospitals and outpatient centers in the province.
- Evaluating and granting licenses for clinical services offered by medical professional offices.
- Providing pre-hospital Emergency Medical Services (EMS) through the emergency hotline 115.
- Implementing emergency and disaster preparedness and management principles through the Emergency Operations Center (EOC).
- Conducting assessments to determine resource allocation needs and actively participating in clinical services.
- Offering educational and advisory services to improve the quality of care in clinical settings.
- Collaborating with other stakeholders to promote healthcare services.
- Coordinating and supervising applied clinical research.
- Implementing and enforcing the policies of the Ministry of Health within the province.



Report on Actions Taken in the Field of Health Tourism

Obtaining permission to admit international patients in 7 medical centers and implementing the following detailed measures:

1. Establishing the International Patients Department at Imam Khomeini Medical Education Center with a capacity of 4 VIP beds equipped with all necessary facilities for foreign patients.
2. Operating the IPD department at Imam Hossein Hospital with a capacity of 8 beds and all amenities for international patients.
3. Operating the IPD department at Biston Hospital with a capacity of 9 beds and all amenities for international patients.
4. Opening a VIP ward with a capacity of 5 beds for international patients at Imam Reza Medical Education Center.
5. Operating the IPD department at Hakim Hospital with a capacity of 8 beds and all amenities for international patients.
6. Allocating two beds for foreign patients at Imam Ali Medical Training Centers and Shaha-da Hospital.
7. Health tourism license in Paveh and Javanroud hospitals .
8. A total of 40 beds allocated to international patients in medical centers.



9. Designing an informational website introducing the services available at most medical centers with IPD units in both English and Farsi languages to inform and attract foreign patients. The website will have the ability to directly accept patients, introduce doctors by the name of the centers, and display the tariff for treatment services for foreign patients.
10. Achieving the title of the top 10 universities in terms of the number of licensed IPD centers
11. Recording statistics and information of inpatients and outpatients in the health tourism system of the Ministry of Health.
12. Hiring individuals fluent in the dominant language of foreign patients (Kurdish language) as IPD experts, IPD doctors, and translators in medical centers.
13. Showcasing experts and representatives of IPD centers (Imam Reza, Imam Ali, and Imam Khomeini educational and therapeutic centers) at internal and external health tourism exhibitions, such as the Iraq International Health Exhibition in Baghdad in September 2023, to promote and showcase the capabilities available in the health sector of the province.
14. Introducing licensed facilitator companies to IPD licensed medical centers.



Faculties in KUMS

- **Faculty of Medicine**
- **Faculty of Dentistry**
- **Faculty of Pharmacy**
- **Faculty of Public Health**
- **Faculty of Nursing and Midwifery**
- **Faculty of Allied Medical Sciences**
- **Faculty of Nutrition Sciences and Food Technology**
- **Faculty of Rehabilitation**
- **Faculty of Nursing (Sonqor)**
- **The University Campus**



Faculty of Medicine was established in 1975. Presently, 1942 medical students are enrolled at this faculty, with over 3878 medical students having graduated to date. The first specialist residency recruitment began with the admission of Anesthesiology residents in 1991. Currently, KUMS aims to accept a total of 141 medical specialties across all medical fields annually. The university is renowned for its capacity to enhance clinical skills in medical students through one of the country's most comprehensive standardized patient programs and collaborations with top hospital systems.

The Faculty of Medicine aims to educate competent, compassionate clinicians with a strong foundation in science, ready to tackle the demands of modern medicine. Additionally, they strive to conduct innovative biomedical research that improves lives and deepens our knowledge of medical sciences.



Major capabilities

1. Basic Sciences Departments

- Cell culture laboratory.
- Administration of comprehensive basic sciences and internship exams.
- Center of PhD exam administration in the west of the country.
- Language laboratories.
- Genetic laboratory in the west of Iran for prenatal diagnosis (PND) referred from the four neighboring provinces in the west of the country.
- Three standard and highly equipped anatomy halls. •
- Medical Biotechnology laboratories.
- Clean room facility.

2. Clinical Departments

- The largest university hospital in the west of Iran (Imam Reza (AS) Hospital).
- Community-oriented medicine pole and administrator of one-month ambulatory care education and medical internship program.





- Active pediatric urology and endourology wards.
- Sub-specialized equipment like laser, laparoscope, adults and children endourology, Nocturnal Penile Tumescence (NPT) and Shock Wave Lithotripsy (SWL).
- Advanced laparoscopic and endoscopic surgeries such as repair of incisional/inguinal hernia, achalasia, VATS and sympathectomy.
- Advanced endovascular, cancer, and arthroscopic knee surgeries.
- Online PMP education in clinical departments.
- Administrating residency promotion exams since 2006 and issuing specialized certificates since 2013.
- Creating the registry of various diseases such as IBD, MS, MI, etc.
- Presenting all relevant workshops for all students and residents.
- Administrating clinical skills exams at the end of GP program.

Treatment Benefits

- Leading bone marrow transplant center in the western region.
- Various diagnostic and therapeutic procedures in radiology and peripheral angiography.
- Services for MDR-TB.
- Healthcare facility for HIV-positive patients with diagnostic capabilities.
- Dedicated Emergency Departments at Imam Reza (AS) Hospital specializing in different fields.
- Pioneering heart transplantation center in western Iran.
- Active IVF center.
- Regional genetic reference laboratory.
- Eight specialized university clinics (Mahdieh, Madar, Helal Ahmar, Taleqani, Imam Ali, Imam Khomeini, Farabi, Boustan, and Dr. Mohammad Kermanshahi) located throughout the city.
- Specialized rehabilitation and cardiac rehabilitation centers.
- Interventions for cardiovascular and urinary tract issues.



- Primary PCI.
- Neuroradiology and cardiac interventions.

Electronic Services

- Automation of the faculty's education system (online enrollment, etc.).
- Automation of examination management (residency promotion comprehensive, basic sciences, and pre-internship exams, etc.).
- Automation of the faculty's administrative communication system (administrative automation, etc.).
- Electronic library.
- Virtual central laboratory





Departments

There are over 35 clinical and basic science departments and programs in the faculty of medicine as follows

Anatomy
Anesthesiology
Clinical Biochemistry
Biomedical Engineering
Cardiology
Clinical Psychology
Dermatology
Emergency Medicine
E.N.T (Ear Nose & Throat)
General Surgery
Health & Social Medicine
Immunology
Infectious Disease
Internal Medicine
Islamic Education
Marital Medicine
Medical Biotechnology
Medical Physics
Microbiology
Mycology & Parasitology

Neurology
Neurosurgery
Obstetrics & Gynecology
Ophthalmology Orthopedics
Pathology
Pediatrics
Psychiatry
Physiology-Pharmacology
Radiology
Radiotherapy & Oncology
Sports Medicine & Rehabilitation
Alternative & Complementary Medicine
Urology





Faculty of Dentistry



Faculty of Dentistry, a professional educational institution, provides a wide range of academic courses, offering comprehensive undergraduate and postgraduate programs in collaboration with experienced academic staff, proper facilities, and advanced teaching methods.

Established in 2008, the faculty began enrolling students in Doctor of Dental Surgery (DDS) in 2009. Additionally, students in Oral Health have been accepted at KUMS since 2015. The newly-established Faculty of Dentistry at KUMS's campus, covering an area of over 11500 square meters, is the largest faculty in the western part of Iran, inaugurated in December 2019. The faculty of dentistry comprises forty-six academic staff members, working in ten departments, where they have educated 417 students.



Specialties:

Endodontics
Orthodontics
Oral and maxillofacial medicine
Periodontics
Dental prostheses
Restorative dentistry
Oral and maxillofacial surgery
Oral and maxillofacial radiology
Oral and maxillofacial Pathology
Pediatric dentistry



Major Capabilities:

- In most of the aforementioned specialties, at least two students in this faculty have been ranked among the top 10 students in the entrance exam.
- The students attained the first rank in the Comprehensive Basic Science exams in all exams conducted in the western region of Iran.
- The Department of Orthodontics and Prosthodontics was established in 2018 within the Faculty of Dentistry.



Faculty of Pharmacy



Faculty of Pharmacy was established in 2001 and started admitting pharmacy students in 2003, offering a PharmD degree. This six-year professional program includes coursework and practical experience. The faculty consists of seven departments that are essential for the educational and research programs of the faculty. Each department is furnished with state-of-the-art equipment to support advanced research and training. Additionally, the Faculty of Pharmacy operates two educational pharmacies where students gain practical experience in the field. Students also engage in clinical programs at the university's educational hospitals to familiarize themselves with essential pharmacotherapeutic management skills. The faculty collaborates with various educational and research institutions within the university, such as teaching hospitals, research centers, pharmaceutical companies, and community pharmacies. It has the capacity to undertake a wide range of pharmaceutical research projects, including drug discovery, design, and synthesis, in vitro and in vivo pharmacology and toxicology tests, development of drug delivery formulations, pharmacokinetic studies, and clinical trials. The faculty is equipped with eight specialized research laboratories, one herbarium, and a dedicated warehouse for storing hazardous chemicals.



The faculty comprises seven departments:

- Pharmacology and Toxicology
- Pharmaceutics
- Pharmacogeny and Pharmaceutical Biotechnology
- Traditional Pharmacy
- Biopharmaceuticals
- Nano Technology Medicine

There are twenty-nine academic staff members, including seventeen assistant professors, eleven associate professors, and one professor.

Major Capabilities

The faculty operates a research center for pharmaceutical sciences and two educational pharmacies. These pharmacies are crucial hubs for supplying specialized medications in western Iran. Apart from serving the province, they cater to individuals from neighboring provinces like Hamadan, Kurdistan, Ilam, and Lorestan. The faculty of pharmacy offers top-notch educational and internship opportunities for students, thanks to the presence of these two pharmacies. Instrumentation and Facilities

- The tissue engineering laboratory is the first of its kind in the pharmaceutics department at the faculty of pharmacy. It is equipped for cell culture and the measurement of physical and mechanical properties of tissues.
- The faculty houses the first microfluidic laboratory among pharmacy faculties in Iran. This lab is equipped with photolithography and eyeliner technology, enabling the production of polymer and metal microchips.
- There is a laboratory dedicated to solids and semi-solids, along with an industrial pill production machine.



- The faculty grants researchers access to cutting-edge technology, equipment, and expertise.
- The molecular modeling laboratory is a standout facility in western Iran. It is furnished with a variety of molecular modeling techniques such as docking, QSAR, and molecular dynamic simulation. Nano Center focuses on various objectives including electrospinning, nanoparticle and polymer synthesis, nano drug delivery, gene therapy, nanobiocatalysts, and the study of nano-bio interactions.





Founded in 1997, the Faculty of Public Health began operating independently in 2007, with four departments family health and health services in associate programs, environmental health, occupational health in associate, and discontinuous bachelor programs. Currently, it has 397 students and 34 academic staff and provides educational opportunities. Additionally, it houses several specialized laboratories equipped with various state-of-the-art instruments as listed below:

Chemistry
Microbiology
Environmental health research
Occupational health
Chemical pesticides
Leftover
Hydraulic
Designing workshop
Practice unit





Departments:

Environmental Health Engineering
Public Health
Occupational Health Engineering
Biostatistics
Epidemiology
Health Education and Promotion

Below is a list of all undergraduate and postgraduate fields of study offered by the Faculty of Public Health:

Occupational Health B.Sc. & M.Sc.
Environmental Health B.Sc. M.Sc. & Ph.D.
Public Health B.Sc.
Biostatistics M.Sc. & Ph.D.
Health education & Promotion M.Sc.
Epidemiology M.Sc. & Ph.D.





Major Facilities:

- Integrating laboratories into a research and reference laboratory.
- Reconstructing, promoting, and optimizing the Wastewater Treatment Plant of the Faculty of Health and Farabi hospital to reuse irrigation and restore green space.
- Establishing the first open access library at the Faculty of Health.
- Establishing the research center for environmental determinants of Health.
- Establishing Media Lab Special Internet Site for postgraduate students.

Other Capabilities and Accomplishments

- Fellowship training center for empowering health managers with the cooperation of the Faculty of Health (fellowship training center in the west).
- Healthcare surveillance center for the death of -59-1month children with the cooperation of the faculties of medicine and the department of pediatrics (Kurdistan, Hamadan, Ilam, and Lorestan Provinces).
- Launching the Journal of IJHLS at the Faculty of Health.
- KUMS was selected as the head of the region four of neonates (Kermanshah, Kurdistan, Ilam, and Hamadan Provinces) in prenatal healthcare programs with the cooperation of the faculty of medicine, departments of pediatrics, and gynecology.
- KUMS and Razi University were selected as a regional center of the Training of Trainer (TOT) program for students.



Goals

The faculty aims to offer its services at regional and national levels by collaborating with competent and experienced professors in the fields of research and education. It seeks to enhance both qualitative and quantitative development of the educational department, specialized laboratories, research centers, and the development of new methods in research and education. Additionally, it strives to train competent students to become healthcare professionals and to take effective steps towards finding fundamental solutions to the province's problems. Over the next five years, the faculty plans to establish itself as the most prestigious research and educational center in the west and to distinguish itself among research and educational centers nationally and internationally.

Achievements and top rankings

- Ranked 1st in implementing a healthcare monitoring system for the mortality of -59-1month-old children in the provinces of Ilam, Kurdistan, Lorestan, Hamadan, and Kermanshah.
- Recognized as the top university for the prevention and management of water- and food-borne diseases.
- Achieved 3rd place in the inspection coverage of facilities on the road and disposal of spoiled food.
- Top-ranked in health inspection coverage of the healthy nutrition base of faculties.
- Received appreciation from the healthcare center of environment and work for quantifying the burden of diseases from ambient air pollution.
- Designated as the reference laboratory in the western region.



- Implemented electronic health files through an agreement with Barakat Tel in all cities (since 2013 for three years).
- Executed the electronic health file project and healthcare services call center (Paveh project).
- Established, equipped, and managed the regional reference inpatient department for drug-resistant tuberculosis in the western region.
- Initiated the tuberculosis antibiogram department in collaboration with the microbiology department in 2012.
- Obtained the license to conduct tuberculosis antibiogram tests from the transnational laboratory in Sweden, led by Professor Hafner, for the regional reference laboratory of tuberculosis in partnership with the microbiology department in 2014.
- Launched the influenza subnational laboratory in collaboration with the microbiology department in 2011.
- Establishment of the GeneXpert tuberculosis diagnosis department in collaboration with the microbiology department.
- Introduction of an HIV molecular diagnosis center in partnership with the microbiology, pathology, and infectious disease departments.
- Launching a department for molecular diagnosis of sexually transmitted infections (STIs) for suspected cases in the province and affiliated universities, in cooperation with the microbiology and infectious disease departments in 2017.
- Inauguration of the tuberculosis molecular diagnosis (PCR) department at the regional



tuberculosis reference laboratory in collaboration with the microbiology department in 2017.

- Implementation of the health village project in Kermanshah province, simultaneously managed in fourteen cities.
- Opening of smoking cessation counseling clinics at teaching hospitals.
- The Deputy of Health at KUMS was designated as region 6 in the national program for aligning training and health promotion courses (HODA).
- Execution of collaborative research projects with the United Nations Children's Fund (UNICEF) on children's growth and nutrition in 2011.
- Implementation of the Safe Society plan in accordance with WHO standards since 2005 in Sonqor.
- Establishment of negative pressure respiratory isolation rooms at Imam Reza (AS) Hospital and Shohada Hospitals in Sarpol-e-Zahab for intensive control of communicable diseases, achieving an excellent rating from the WHO expert team evaluation and monitoring in July 2014. The negative pressure respiratory isolation rooms were approved with an excellent rating.
- Implementation of the prevention of mother-to-child transmission (PMTCT) of HIV program in thirteen centers in Kermanshah province in collaboration with the infectious diseases department since 2013.



The Faculty of Nursing and Midwifery is one of the oldest faculties in Iran, having started its activity in 1965 as the Academy of Nursing. Since 1985, it has been known as the Faculty of Nursing, Midwifery, and Paramedical Sciences. In 2007, the paramedical departments began working independently under the name of the Faculty of Allied Health Sciences. Currently, the Nursing and Midwifery Faculty trains undergraduate and postgraduate students in the fields of nursing and midwifery, offering bachelor's and master's degrees.

The faculty is committed to providing exceptional nursing education and conducting innovative research to build a scientific foundation for clinical practices. This helps advance preventive care, manage symptoms of illness, enhance end-of-life and palliative care, and influence the development of healthcare policy at all levels. The faculty is particularly concerned with reducing health disparities and improving health outcomes among the population. Students in the Faculty of Nursing and Midwifery are passionate about making a positive difference in



people lives. They choose KUMS because they want to access outstanding research centers and clinical training, the latest high-tech simulation equipment, and a curriculum that prepares them for leadership in their profession.

Academic staff of Faculty of Nursing and Midwifery in different departments

Midwifery is a sub-field of the healthcare professions that deals with providing services for pregnant women, new mothers, and their infants. The program objectives focus on the following components of midwifery care, professional responsibilities, midwifery management process, primary health care, the childbearing family (including pregnancy, childbirth, postpartum period, care of the newborn), and the family planning and gynecologic needs of women. The focus of our program is to prepare the next generation of nurse-midwives capable of leading positive change and providing the primary care needs of essentially healthy women across their lifespan, along with the care of normal newborns. Our faculty bring their diverse national and international leadership, research, and clinical experience into the classroom to advance the future of midwifery care and education.





Different Programs and levels offered in the Faculty of Nursing and Midwifery

Program Level

Nursing B.Sc	1965
Midwifery B.Sc	1986
Intensive Care Nursing M.Sc	2008
Psychiatric Nursing M.Sc	2014
Internal Surgery Nursing M.Sc	2015
Counseling Midwifery M.Sc	2013
Geriatric Nursing M.Sc	2018
Emergency Nursing M.Sc	2018
Nursing PhD	2018

Major Capabilities

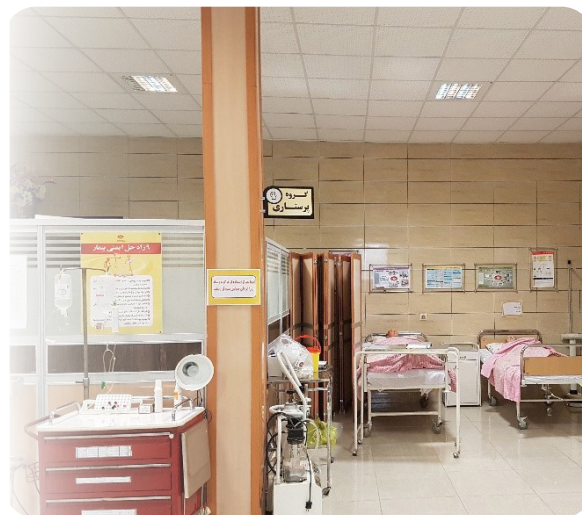
- The skill lab (center for clinical skills) is 150 square meters, with separate areas for nursing and midwifery departments.
- The faculty's library is 500 square meters and contains 51,031 Persian books, 3,896 Latin books, and 700 educational CDs.
- Two educational programs are held for

interns from Sulaimani, Kurdistan Region, and Iraq.

- Departments of Midwifery, Nursing, and Psychiatric Nursing were established in June 2013 to facilitate clinical education and optimize the use of educational and research facilities in hospitals.

Physical Environment and Facilities

The Faculty of Nursing and Midwifery is situated on a 50,000 square meter area with a substructure of 12,000 square meters, green space of 8,000 square meters, and logistic environment of 8,000 square meters.





Facilities:

- The Microbiology and Parasitology Laboratory offers practical courses in Bacteriology and Parasitology for various programs within the Faculty.
- The Immunology and Hematology Laboratory provides applied tests in hematology, immunology, physiology, biochemistry, and applied physics for midwifery students.
- The Chemistry and Biochemistry Research Laboratory is well-equipped to support laboratory studies for Chemistry and Biochemistry courses.
- Centers for fertility research and life quality promotion.
- The Clinical Skills Center includes three separate rooms for nursing skills, emergencies, anesthesia, and gynecology, covering an area of approximately 420 square meters.





The Kermanshah School of Allied Medical Sciences was founded in 1963 with the establishment of the laboratory science department. This school offers undergraduate and postgraduate programs. In 1970, it was integrated with the Faculty of Nursing and Midwifery, which later became independent in 2007 and operated as the Kermanshah School of Allied Medical Sciences. Known for its excellence in research among all Allied Medical Sciences Schools in the country from 2020 to the present, it is currently situated on a 55,000 square meter campus with a faculty of nursing and midwifery. The school comprises 25 faculty members across six educational department Operating Room Technology, Radiobiology and Nuclear Medicine, Clinical Laboratory Sciences, Health Information Technology, Emergency Medicine, and Anesthesia Technology. Over 850 students are enrolled in various programs at this institution.



The faculty offers a full range of academic courses at the undergraduate and graduate levels. It should be noted that the Surgical Technology, Radiobiology, Radiation Protection, and Laboratory Sciences, Hematology and Blood banking programs have started accepting master's students since 2017, 2016, and 2021, respectively. The school has six laboratories, including biochemistry, microbiology, hematology, physics, dosimetry, maintenance, and cell culture laboratories. It develops postgraduate courses, has clinical and information skills centers, and scientific cooperation with many other research centers in the country.

Different Programs and levels in the Faculty of Allied Health Sciences

No	Program	Level	Establishment year
1	Laboratory Medical Sciences	B.Sc	1985
2	Radiobiology & Radiation Protection	B.Sc. & M.Sc	2018 / 1992
3	Surgical Technology	B.Sc. & M.Sc	2017 / 1986
4	Anesthesia Technology	B.Sc	1995
5	(Health Information Technology (HIT	B.Sc	2014
6	Nuclear Medicine	B.Sc	2010
7	Medical Emergency	B.Sc	2011
8	Laboratory Hematology and Blood banking	M.Sc	2021



Major features

- The sole undergraduate Nuclear Medicine program in western Iran.
- The exclusive bachelor's degree in health information technology in western Iran.
- Publication of the scientific journal titled Journal of Clinical Research in Paramedical Sciences (JCRPS).
- The only master's program in radiobiology and radiation protection in western, northern, and southwestern Iran.
- Dr. Masoud Najafi, a faculty member of the Radiobiology and Nuclear Medicine department, holds the highest H-index ranking among all faculty members at Kermanshah University of Medical Sciences.





The School of Nutrition Sciences and Food Technology has a long history of training Nutrition and Food Sciences Professionals with the two groups of “Nutrition Sciences” and “Food Sciences and Technology”. With over 20 experienced faculty members of varying degrees, including assistant, associate, and full professors of nutrition and food sciences, the school admits students in undergraduate, postgraduate, and postdoctoral degrees in Nutritional Sciences, Food Technology, Quality Control, and Food Safety. The faculty members are fluent in Kurdish and English. The Faculty of Nutrition and Food Technology aims for excellence with comprehensive, integrated education, and scholarship. Food sciences professionals train students in quality, processing, and safety of foods for multibillion-dollar food industries. Nutrition experts offer education in nutrition sciences, community nutrition, and clinical nutrition to enhance the health and well-being of individuals and communities. Academic programs at both the undergraduate and postgraduate levels combine fundamental and practical sciences with community engagement.



Educational Overview:

The Faculty of Nutritional Sciences and Food Technology consists of 13 faculty members across two departments, educating a total of 183 students.

The faculty offers a comprehensive list of undergraduate and postgraduate programs, as outlined.

Undergraduate and postgraduate programs

No	Program	Level
1	Food Technology and Quality Control	BSc
2	Nutritional Sciences	M.Sc.
3	Food Safety	M.Sc.
4	Food Technology and Quality Control	M.Sc.
5	Food Safety M.Sc. 6 Nutritional Sciences	Ph.D

Major Facilities:

Units and Equipment Department of Food Sciences and Technology for students and researchers use Laboratories

- Laboratory of Nutritional Research and Food Industry.
- Laboratory of Food Quality Control.
- Laboratory of Nutrition Research.
- Laboratory of Food Microbiology.



Its active laboratories include Food Microbiology, Food Quality Control, and Nutrition Research, which are equipped with specialized devices such as spectrophotometers, atomic absorption, high-performance liquid chromatography (HPLC), automatic soxhlet, Real-Time (PCR), ultrasound homogenizer, Biomedicine (BIA), and anthropometric equipment that provide a wide range of opportunities for performing experiments required for graduate studies.

- Well-equipped open access library, auditorium, conference hall, and Information and Technology site.
- Center of computer sites equipped with systems (All in one) for students.

Other Capabilities and Accomplishments

- Integrating laboratories into a research and education laboratory.
- Community services and industry-related projects.
- Center in the west of the country and region with 3 universities including provinces (Kermanshah – Hamadan-Kurdistan-Ilam) and the second faculty in Iran after Shahid Beheshti University.
- Center of electronic education in the west of the country.
- Collaborates with 3 clinics and 5 educational hospitals (with over 1500 beds including all clinical units).
- Faculty members work at the clinics of KUMS five days a week.
- Providing diet and counseling services in specialized clinics.



The Students Success and Growing Trend

- Holder of the highest scores and grades of university entrance exams and international and foreign festivals.
- Establishment of the Kermanshah Nutrition Association as one of the branches of the Iranian Nutrition Association (ITA).
- Guild activities of Foodism

Student and Important Cultural Activities Status

The World Food Day is celebrated annually at the Faculty of Nutrition Sciences and Food Technology at KUMS.

Goals:

Prospects for the Future of School Graduates of the Department of Food Technology and Quality Control and Food Safety can work in food production factories as technical, laboratory, quality control, and production managers. They can also find employment in government-related centers such as food and drug departments, standards organizations, etc. Nutrition graduates can also work as dietitians in various specialties including cardiovascular disease, obesity, weight loss, diabetes, renal issues, gastrointestinal disorders, oncology, ICU hospitalized patients, pregnant and lactating women, as well as athletes, playing key and effective roles in these areas. Furthermore, school graduates have the opportunity to pursue higher education and can be employed in academic and research departments of academic institutions.

- Teaching graduate students in nutritional sciences with theoretical knowledge and practical skills to provide therapeutic, educational, and research services.
- Providing theoretical training to medical and paramedical students on nutrition principles and diet therapy.



- Educating exceptional nutritional experts.
- Conducting applied research in specialized nutritional fields.
- Offering nutrition retraining courses for alumni in nutrition, nursing, midwifery, medicine, and pharmacy.
- Conducting fundamental and applied research in various specialized nutrition fields.





Faculty of Rehabilitation Sciences is the most recent faculty established at Kermanshah University of Medical Sciences. Established in 2020, the faculty offers three bachelor programs in Physical Therapy, Occupational Therapy, and Speech Therapy. Alongside educational endeavors, the Faculty of Rehabilitation Sciences operates active clinics to provide rehabilitation services that cater to community needs through research and scientific contributions. The faculty currently has four academic staff members across three departments physical therapy, occupational therapy, and speech therapy, with ongoing recruitment for additional faculty members.



Facilities

- The faculty boasts a unique rehabilitation clinic offering physiotherapy, occupational therapy, and speech therapy services for outpatients, situated at the Farabi Educational and Treatment Center.
- Specialized clinic offering psychosocial occupational therapy services situated at Farabi Educational and Treatment Center.
- Two distinguished stroke centers at Imam Reza Hospital and Farabi Hospital.
- Availability of rehabilitation textbooks in the central library of KUMS

Departments

Department of Physical Therapy Physical Therapy (PT) is a branch of rehabilitation sciences that utilizes specially designed exercises and equipment to assist patients in regaining or enhancing their physical abilities. PT is suitable for a wide range of patients, from infants with musculoskeletal birth defects to adults recovering from injury or surgery, to elderly individuals post-stroke. The department offers specialized training over four academic years for a bachelor's degree. Department of Occupational Therapy (OT) is a branch of rehabilitation sciences that provides skilled treatment to help individuals achieve independence in all aspects of their lives throughout their lifespan. OT is suitable for treating children with neurodevelopmental disorders such as Cerebral Palsy (CP) and Autism. It is also beneficial for patients with hand injuries, stroke, head injuries, severe burns, spinal cord injuries, as well as young and adult individuals with psychiatric disorders. Department of Speech Therapy Speech Therapy (ST) is a branch of rehabilitation sciences focused on therapeutic treatment for speech, voice, language, communication, and swallowing impairments and disorders. It employs various techniques, including physical exercises to strengthen speech-related muscles (oral-motor work), speech drills to enhance clarity, and sound production practice to improve articulation. ST is an appropriate treatment for children with speech and language delays, stuttering, as well as adults recovering from a stroke.



The Faculty of Nursing (Sonqor) became an independent faculty within KUMS in February 2013 and began operating autonomously with its sole nursing department. The Nursing Faculty (Sonqor) educates undergraduate students in the nursing field and grants a bachelor's degree. Currently, it has 102 students, 7 academic staff, and 70 graduates. Nursing education emphasizes a solid theoretical foundation and practical application of skills and critical thinking essential for nursing practice in today's healthcare environment. Our goal is to train students who will deliver exceptional healthcare, create innovative knowledge, and offer transformative leadership to enhance health outcomes for all populations.



The University Campus



KUMS was initially founded as the Faculty of Medicine in 1986. It was later expanded and relocated to the central campus in the northern part of Kermanshah, adjacent to Imam Reza (AS) Teaching and Treatment Hospital. Presently, the cluster of Faculties of Medicine and Pharmacy is situated at the Central Campus. The other university faculties, including the Faculty of Dentistry, Public Health, Allied Medical Sciences, and Nursing and Midwifery, are situated in different locations across Kermanshah. The primary dormitory and the gym are situated close to the central complex.



Accommodation Options

There are numerous opportunities to reside near the University with a wide array of accommodation options available within walking distance or a short bus ride. The accommodation choices are fully or partially furnished with high-quality furniture.

1. Housing and Residence Life

Living on campus has been shown to enhance students' engagement and improve overall student success. KUMS on-campus housing offers a clean, comfortable, safe, and supportive environment to further the university's academic mission, emphasizing the development of a strong student community. Residing in the dormitories enriches and complements the educational experience at the university. A range of housing options allows students to tailor their living environment to their preferences, including independent living within a supervised setting. Amenities include both wired and wireless internet access in each residence hall, a choice of double or private rooms, health, wellness, and substance-free living, as well as themed housing options such as the first-year experience. The residence hall is especially beneficial for first-year undergraduate students and newcomers to Kermanshah.

It is worth mentioning that the University offers students three subsidized main meals.

2. Housing

KUMS takes on the responsibility of providing students with proper accommodation. Most dormitories are located within the university dormitory, a residential complex designed to accommodate students from different fields and levels of study. There are recreational and welfare facilities available, including reading chambers, libraries, a mosque, an auditorium, a gym, and a movie hall. The student dormitories cover an area of 41,000 square meters.



Currently, there are 2 dormitories for boys and 4 dormitories for girls, providing housing for %50 of the student population. Two of the dormitories are reserved for top-performing students and residents. In total, the dormitories can accommodate 817 female students and 825 male students. Additionally, there is a married couples dormitory that houses 40 families.

Student Health Care Center

The Student Health Care Center offers students a conducive environment essential for effective learning. It utilizes the expertise of university instructors in general, specialized, dental, and vaccination clinics. If additional medical attention is required, students will be referred to affiliated hospitals. Upon enrollment, each student receives a medical record detailing their health status and any issues. These records and health cards enable students to access the university's affiliated Health Care Centers. The Emergency Clinic at the dormitories caters to students residing there, providing emergency medical assistance. The Student Counseling Center offers a range of services delivered by licensed psychologists and social workers. These services cover emotional well-being, behavioral issues, social skills, decision-making, marriage counseling, family conflicts, financial concerns, workshops, and training sessions on learning techniques, concentration, memory enhancement, study skills, educational challenges, communication with families, and educational and psychological seminars.





Physical Education

Measures are implemented by the Physical Education Department of the Vice-Chancellor for Cultural and Students Affairs to enhance the physical health of the staff, students, and their families.

Some of the university's sports facilities include

- Water Sports Complex comprising a swimming pool, sauna, jacuzzi, and fitness center.
- Sports-Cultural Complex providing an arena for indoor games like volleyball, basketball, futsal, badminton, martial arts, table tennis, bodybuilding, an artificial wall for rock climbing, and Imam Khomeini Culture Home equipped with audio-visual tools.
- Farabi Soccer Field.
- Sports Complex with tennis courts.
- Gyms located at the student dormitories.

The Physical Education Department also coordinates students' tournaments at both university and national levels, conducts training courses, and assists the relevant department in managing students' physical education credits. The university's athletes have achieved success in numerous national competitions, showcasing the active involvement of the authorities, staff, and students.

The Research and Education Center for Sports Medicine was established to conduct research on various aspects of sports medicine in collaboration with students and faculty from the medical field. Currently, a curriculum for an MSc program in medical sports is being developed with the support of the Department of Orthopedics at the Faculty of Medicine, aiming to be offered to qualified general practitioners.



Financial Aid

Outstanding students receive tuition fee discounts based on their academic performance, research and excellence in the “KUMS Regulations on Tuition Fees”. For more information, please visit: <https://www.kums.ac.ir/en/apply/tuitionfees>

Cultural Activities

The Directorate for Cultural Affairs and Extra-Curricular Activities aims to uncover and nurture students' hidden talents to enhance their cultural awareness and critical thinking. These activities help students become self-reliant, effective, and responsible members of society.

KUMS has 9 active self-service centers: Central Self-Service, Self-Service of Ayatollah Taleqani Dormitory, Self-Service of Ayatollah Mofatah, Self-Service of Ayatollah Mofatah Dormitory, Self-Service of Shahid Alvani Dormitory, Self-Service Zagros Dormitory, Self-Service of Faculties of Public Health and Nutrition and Food Sciences, Self-Service of Faculty of Allied Medical Sciences, Self-Service of Faculty of Dentistry.





KUMIS

Hospitals

- **Imam Reza (AS) Hospital**
- **Golestan Trauma and Burn Hospital**
- **Motazedi Hospital**
- **Taleqani Hospital**
- **Imam Khomeini Hospital**
- **Imam Ali (AS) Hospital**
- **Farabi Hospital**
- **Dr Mohammad Kermanshahi Hospital**



Imam Reza (AS) Hospital



The Imam Reza Hospital Complex in Kermanshah, Iran, is a leading medical institution in western Iran, affiliated with Kermanshah University of Medical Sciences. It houses several specialized centers, including:

- The educational and therapeutic center of Imam Reza Hospital, with 800 beds, 24 clinical wards, special care beds, and operating rooms.
- Golestan Burn Center, the only burn center in western Iran, with 50 beds and specialized facilities.
- Boostan comprehensive care clinic with 60 specialized offices.
- Centers for multidrug-resistant TB and cancer treatment, featuring advanced technology for radiotherapy and chemotherapy.



- Specialized services such as bone marrow and peripheral blood stem cell transplantation, advanced imaging, and various surgeries.
- Departments for renal transplants, acute ischemic stroke, high-risk pregnancies, respiratory care, and international patients.
- Extensive teaching facilities for medical education and training with a focus on clinical skills.

The hospital complex is known for its advanced medical services, cutting-edge technology, and highly skilled medical professionals, catering to a wide range of healthcare needs in the region.

Different departments of the hospital include:

- Deputy of Research
- Deputy of Education
- Deputy of Treatment
- Deputy of Development and Planning
- Directorate of Nursing
- Deputy of International Affairs (IPD)
- Quality Improvement
- EDU

The hospital's wards and departments consist of :

- Pediatrics
- Physical Medicine and Rehabilitation
- Operation (General Surgery, Thoracic, Artery, Cancer)
- Bone Marrow Transplant
- Radiotherapy



- Oncology
- CCU
- Urology
- Delivery
- Imaging Department (Radiology)
- Dermatology
- Laboratory
- Emergency Medicine
- Blood Bank
- ICU
- Nuclear Medicine
- Internal Medicine
- Angiography
- Kidney Transplant
- Physiotherapy
- Neurology
- Intervention
- Neurosurgery
- Screening Physicians
- Ophthalmology
- Nutrition Clinic
- Boustan Clinic
- Orthopaedics
- SCU (Stroke Care Unit)
- Orthopaedics
- General surgery
- International Patient's Department





Among the other distinguishing features of this well-appointed hospital complex is its enjoyment of the first-over bone marrow transplantation and peripheral blood stem cell transplantation establishment in western Iran, provision of a wide range of advanced imaging services, including MRI, and nuclear medicine using the most up-to-date MRI, CT Scan, and angiography machines, and performing advanced surgeries such as urodynamic tests, PCNL, female pelvic laparoscopy, and laparoscopic urological surgeries, etc.

This renowned hospital also caters for patients through its renal transplant department, special care units of acute ischemic stroke, high-risk pregnancy department, isolated respiratory rooms, and international patient department.

Last but not least, a proper groundwork has been provided for teaching medicine at Imam Reza Hospital Complex through getting full benefit from the largest center for clinical skills in western Iran and its 200 well-versed specialist and subspecialist as well as its enjoyment of diverse facilities, thereby pushing the boundaries of possibilities in this respect.

Imam Reza Hospital Complex is the Largest, Most Modern and Well-appointed Hospital in western and Northern Iran.





Golestan Trauma and Burn Hospital



Trauma Burn Hospital, situated in Imam Reza Hospital Complex, was opened on 12 November 2019 by the Minister of Health and Medical Education. It serves as a specialized and sub-specialized facility for burns and plastic surgery.

Golestan Hospital, on the other hand, is recognized as a specialized referral center for severe acute respiratory syndrome (COVID-19) treatment in Kermanshah city since the onset of the pandemic. The hospital comprises various departments including Emergency (10 beds), Operating Room (3 beds), Clinic, Laboratory, Radiology, Physiotherapy, Pharmacy, Administrative Affairs, Laundry, CSR, ICU (40 beds), Infectious Diseases Ward (21 beds), Physiotherapy (5 beds), Burn Unit (20 beds), and Restoration Unit (18 beds).



Founded in 1956, Motazedi Teaching Hospital is a medical center specializing in obstetric and gynecologic services. It has 86 active beds and wards dedicated to surgery, delivery, postnatal care, emergency services, operating room, and NICU. Motazedi Hospital, with faith in God and the dedicated efforts of its staff, strives to enhance the quality of services to ensure safe childbirth and patient satisfaction.

Mission:

- Engaging with the female community health providers and women in the western region of Iran by delivering services and adhering to the latest standards set by the Ministry of Health and Medical Education.
- Providing healthcare services, diagnosis, and treatment for Obstetrics and Gynecology as well as Infertility.
- Conducting research in the fields of Obstetrics, Gynecology, and Infertility.
- Offering educational opportunities for nursing, midwifery, allied medical sciences, medical sciences, and residents.



Taleqani Hospital



Taleqani Hospital was built by Italian engineers in 1969 and opened as a public hospital with 200 beds in 1973. It now has 220 beds and is one of the oldest hospitals in western Iran. The hospital's skilled medical staff and experienced personnel offer effective healthcare to patients, including those injured in accidents in the region. One of its notable achievements is providing emergency services and healthcare to veterans and warriors of the eight years of sacred defense, who are considered valuable assets of the country.



Imam Khomeini Hospital was established to treat diseases and improve public health. It is one of the seven teaching and public hospitals of KUMS. The hospital provides specialty and subspecialty services in eye, ear, nose, and throat (ENT), poisoning, burns, internal and related diseases. Currently, it has 206 active beds and wards for ICU, emergency, infectious diseases, operating rooms, ENT, surgery, internal diseases, ophthalmology, dialysis, burns, and reconstructive surgery. The hospital aims to enhance the quality of medical services, educate and train physicians and other medical professionals to ensure comprehensive healthcare for patients in the future. Additionally, it supports clinical and applied research to provide necessary treatment for the people.

The International Patient Department Ward at Imam Khomeini Education and Treatment Center



This ward consists of four rooms, each equipped with a bed and an examination room for patients to spend their treatment time with a companion. Each room is furnished with a refrigerator, TV, Wi-Fi, telephone set, and a food menu for the patient and their companion.

The following services are available

- Addressing all medical inquiries before, during, and after the patient's discharge.
- Coordinating visits, operation dates, and admissions for international patients with the doctors.
- Providing cost estimates, final bills, and addressing financial queries.
- Offering hotel-like amenities for relaxation, including furniture, telephone set, Wi-Fi, and TV for the patient and companion.
- Directing patients' complaints to an efficient system for surveying and resolution.
- All physicians are proficient in English if preferred.
- Facilitating facilities for prayer.





Imam Ali Educational and Medical Center, the first center for Cardiovascular Surgery and Angiography, was inaugurated in 1999. Enhancing the quality and quantity of diagnostic and treatment wards has established this center as the largest cardiovascular facility in the west of Iran. Besides serving the province's health needs, the center's wards accommodate patients from various provinces, including Kurdistan, Ilam, Lorestan, and even neighboring Iraq. The services offered to patients admitted to this center include :

- **Coronary and Peripheral Angiography and angioplasty**
- **PACE / EPS Ablation**
- **Primary PCI**
- **Cardiac Rehabilitation**
- **Echo Cardiography**
- **Echo Stress**
- **Nuclear Medicine**



Imam Ali Hospital features 42 CCU beds, 34 Post CCU beds, 18 ICU beds, 3 Cardiac Operating rooms, 3 Angiography and Angioplasty Operating rooms, and 1 PACE / EPS Ablation room. The center is dedicated to educating patients and their companions on prevention, treatment, and rehabilitation processes, and providing satisfactory services based on customer feedback. Efforts have been made at this center to enhance collaboration with other educational and medical institutions, as well as public organizations. and the global scientific center to enhance and update the quality of wards.

The various wards of this center consist of:

- ICU
- CCU
- POST CCU
- Post Angiography
- Cardiac Emergency
- Internal Wards
- Surgical Wards

The center also houses specialized cardiac polyclinics such as

- Sport Test
- Eco Cardiography
- Holter ECG/BP
- Laboratory
- Radiology
- Cardiac Rehabilitation
- Nutrition
- Nuclear Medicine



Founded in 1981 as a medical center specializing in neurological services. Initially, the center catered only to psychiatric patients. Over time, patients with neurological issues were also treated, and a special care department was added. In 1982, an addiction treatment department was incorporated into the center. The center now continues to offer treatment and diagnostic services to neurological and psychiatric patients, as well as specialized care, with a total of 250 beds.

The services available at Mehr's special clinic in Farabi Hospital include:

- Psychiatric clinic
- Neurology Clinic
- Physical medicine
- Counseling and psychological services
- Physiotherapy
- Speech therapy and occupational therapy
- Heart and internal medicine clinic
- Dental clinic
- EMG/ MCV/ EEG



Dr Mohammad Kermanshahi Hospital



Founded in 2011, Dr. Mohammad Kermanshahi Hospital is the sole specialized pediatrics center in Kermanshah. It has anticipated and fulfilled all necessities for treating children's illnesses. The hospital comprises 135 beds across various departments including infection, pediatric surgery, pediatric ICU, neonatal ICU, emergency, dialysis, and operating rooms. It offers diagnostic and therapeutic services such as CT-scan, flow cytometry, fluoroscopy, echocardiography, EMG, NCV, EEG, and clinical and paracinal units. Additionally, it houses pediatric nephrology, oncology, neurology, cardiology, psychiatry, dentistry, internal and infectious diseases, urology, pediatric surgery, and other medical services.



**Research
Centers in
KUMS**



KUMS manages various research centers in different scientific fields such as medical biology, fertility and infertility, drug abuse, liver diseases, sleep disorders, nosocomial infections, infectious diseases, drug delivery, and environmental health. The aims and activities of these research centers are briefly explained below



Sleep Disorders Research Center (SDRC)

The SDRC was established in 2007 for clinical and basic research purposes in the field of sleep medicine to address a serious public health concern. It consists of two main research laboratories located at Farabi Hospital, Kermanshah University of Medical Sciences. The center actively collaborates with well-known sleep centers worldwide and has published several papers in high-quality, peer-reviewed journals.

Liver Diseases Research Center

This center seeks to expand knowledge related to preventing and treating liver diseases, as well as enhancing teaching and research in various fields of liver diseases and hepatitis.



Nosocomial Infection Research Center

The goal of this center is to enhance knowledge related to the epidemiology, prevention, and treatment of nosocomial infections. It conducts research to improve in-hospital services, promote researchers, and organize conferences, workshops, and seminars.

Medical Biology Research Center

Established in 2002, the Medical Biology Research Center aims to utilize molecular biology and biotechnology knowledge for accurate diagnosis and effective treatment. It also aims to address needs in the fields of food and medicine.

The research center was officially approved by the Ministry of Health, Treatment, and Medical Education (MHTME) in 2004.

The research center aims to provide employment opportunities for higher education graduates in order to conduct applied research activities and generate scientific advancements based on society's priorities. Additionally, the center seeks to establish positive relationships with pharmaceutical companies and other related research centers in the country.

The main goal of the research center is to fulfill KUMS's research objectives by leveraging the expertise of senior academic faculty members, as well as utilizing the creativity and skills of younger faculty members, experts, and students.

The Medical Biology Research Center encompasses various departments, such as applied biotechnology, pharmacology, molecular genetics, structural biology, bioinformatics, physiology, biomaterials, and biophysics. The center is actively involved in research areas including diabetes treatment mechanisms, genetic engineering, recombinant protein production and purification, monoclonal and polyclonal antibody production, structural biology, protein aggregation, cardiac ischemia factors, molecular genetics of diseases, stem cell differentiation, cancer, angiogenesis, and computational neurosciences.



Social Development and Health Promotion Research Center

In the second half of 2006, the center succeeded in obtaining approval in principle. In August of 2020, final approval was received from the relevant ministry.

The center takes a comprehensive and holistic view of health, recognizing the significant impact of social determinants on various aspects of health, including physical, psychological, social, and spiritual well-being. The design of studies at the center is based on these social determinants that influence health.

The center was established to identify barriers to maintaining and promoting societal health, such as poverty, low levels of health literacy, inequalities in access to and utilization of health services, unhealthy lifestyles, environmental issues, and other social challenges. Through applied research with a community participative approach, the center aims to provide solutions to ensure, maintain, and improve health.

The center's goal is to strengthen the scientific research foundation and empower individuals at various levels of society, including universities, organizations, and the general public. The center's infrastructure and main focus align with the sustainable development of health. Research activities are conducted alongside public engagement, and the founding board members and researchers focus on health management priorities through three research groups «social development,» «popular participation,» and «health promotion.»



The center is actively involved in improving society, promoting health literacy, and controlling and preventing communicable and non-communicable diseases. One of the center's missions is to address health justice and bring about positive changes in health care management and policy-making. Researchers from KUMS and other academic institutions contribute research plans, projects, and student theses with financial and spiritual support.

Needs assessment is a key program of the center to develop a comprehensive plan for the province and country's health policy. Drawing on its extensive experience, the center has adopted the successful model of «Community Based Participatory Research» (CBPR). This approach ensures that research is driven by social needs, empowering individuals within society to identify and address their health issues effectively.

Pharmaceutical Sciences Research Center

The Pharmaceutical Science Research Center began operating in 2011 and 2012, with the approval in principle issued by the relevant ministry. In 2017, the center was able to continue

its activities after obtaining final approval from the MHTME. The activities of the Pharmaceutical

Sciences Research Center include access to central analysis laboratories, biomaterials, pharmacognostic and biotechnology laboratory equipment such as zetasizer and ultracentrifuge, photolithography equipment, HPLC, rotary large scale, MPLC, GC, and complete spectroscopic equipment in the research fields of drug design, extraction, and identification of effective medicinal compounds from plants, tissue engineering, and the design and manufacturing of diagnostic chips. Additionally, the center is equipped with horizontal and vertical electrophoresis tanks, an orbital shaker, and a PCR station, making it ready to collaborate with researchers and professors in conducting relevant experiments.



Environmental Determinants of Health Research Center

The Research Center for Environmental Factors Affecting Health was approved in principle by the MHTME in 2013 and officially started in 2017 to develop a research culture and implement applied

health research. The center received final approval from the relevant ministry. It is a dynamic research center that has been able to collaborate with 50 faculty members from various educational groups such as epidemiology, occupational health, environmental health, health education, health promotion, public health, vital statistics, nutrition, food industries, and health economics. In total, the center works with 105 capable researchers from the university and has 11 specialized laboratories equipped with advanced devices like ICP, HPLC, and GC. This allows the center to position itself as a targeted center with suitable programs to address the priorities and needs of society.

The center achieved first place in the 23rd Razi Medical Science Research Festival in 2016. In 2019, it was ranked 7th among research centers affiliated with universities of medical sciences and healthcare services in the country by the MHTME. Additionally, in the 27th Razi Medical Sciences Research and Technology Festival in 2021, the center ranked first among health promotion research centers without an independent budget line. Additionally, Dr. Masoud Moradi, a faculty member and research assistant at the Center for Research on Environmental Impact Factors, was awarded the title of best researcher in 2021.



Fertility and Infertility Research Center

In 2014, the research center was established to utilize the expertise of professionals in the field, including professors of basic sciences and clinical researchers, to develop and apply human knowledge in infertility treatment and to train researchers in the field of fertility and infertility. In 2009, it successfully received definitive approval from the Development Council of the MHTME in 2013.

The Fertility and Infertility Research Center was established to provide facilities, guidance, and to utilize basic and applied research in the field of fertility and infertility sciences. The center fulfills its duties by managing basic, applied, and developmental research processes, along with other clinical and basic disciplines in both medical and non-medical sciences. It also applies research results, trains researchers, and engages in scientific interactions with domestic and foreign universities to achieve reproductive health.

Research fields

The center is active in the development of clinical and basic research related to infertility and childbearing. It also focuses on creating animal models of infertility, cancer, diabetes, 3D culture, angiogenesis, and identifying the effects of pharmaceutical agents and their side effects on the folliculogenesis process in laboratory animals. Additionally, the center investigates and compares the effects of ovulation stimulating agents and their side effects on the tissue structure of the uterus and fallopian tube, identifies effective compounds for spermatogenesis in animal models, cultivates various cell lines and stem cells, studies endometriosis, and utilizes tissue engineering techniques in infertility research.



Drug Abuse Prevention Research Center

The Drug Abuse Prevention Research Center was established by obtaining principle approval in 2010 and 2011, and final approval from the MHTME in 2016.

The center conducts fundamental and applied national and international research to prevent and treat disorders caused by drug use. It also trains capable researchers in the field of drug abuse problems among students and faculty members, and utilizes research results in the treatment of patients with substance abuse-related issues.

Nano Drug Delivery Research Center

Nano Drug Delivery Research Center was established in 2019 with the goal of conducting research on nano-drug delivery carriers and achieving a clear perspective for national production. It received initial approval in 2012 and final approval in 2017.

Capabilities of the center include the synthesis of various nanocarriers for gene and drug delivery,

preparation of 2D and 3D nanofibers for drug delivery and cellular scaffolding, synthesis of nano-catalysts for enzyme stabilization, design of biosensors for biomarker detection, and gene and targeted drug delivery.



Oils and Fats Research Center

The Oils and Fats Research Center was established in 2014 under the Ministry of Health, Treatment, and Medical Education. The center focuses on improving the quality of food and pharmaceutical products, with an emphasis on oils. It collaborates with various scientific centers both domestically and internationally.

The center conducts research on lipid and protein interactions, protective effects of oils in preventing DNA damage, development of new sensors, electrochemical methods for measuring anabolic steroids, and production of carotenoid pigments. Other areas of study include the effects of oils on testicular tissue, drug delivery methods for benign prostatic hyperplasia, and the production of lovastatin.

Inventions from the center include processes for producing carotenoid pigments, an airlift bioreactor for pigment production, and a sensor for detecting dithionite in flour products.

The presence and activity of capable and experienced researchers have made the center able to provide various services to other centers and study in different fields. The main areas of activity of the center include the following

- Investigations and study of interactions of lipids and proteins
- Investigation of the protective effects of oils in preventing DNA damage
- Construction and development of new sensors
- Development of new electrochemical methods to measure anabolic steroids
- Development of new methods with biomedical value based on electrochemical methods



- combined with computational methods to measure cholesterol, cholestanol, and triglycerides
- Continuous production of carotenoid pigments and optimization of its production conditions by *Rhodotorula Rubra*, in an airlift fermenter for use in the pharmaceutical, health, and food industries
 - Restorative and protective effects of *Satureja Khuzestanica* oil on testicular tissue changes, qualitative parameters, oxidant status and sperm apoptosis indices, and expression of Bcl.2, Bax and caspase 3 genes in adult male mice following experimental type 1 diabetes
 - Tamsulosin encapsulated in nanoliposome: a new method of drug delivery in the treatment of benign prostatic hyperplasia
 - Primary production and isolation of the effective substance of lovastatin drug by *Aspergillus Tereus* microorganism in a submerged system using membrane bioreactor
 - Clinical evaluation of the “Synchronous loop-dependent isothermal multiplication based on nanoparticles with the probe” test for detecting common species of *Brucella*
 - Identification of frauds in meat products based on PCR molecular method in Kermanshah
 - Nitrate measurement in food samples based on a biosensor combined with image processing and first-order multivariate calibration
 - Fabrication of an ultra-sensitive biosensor based on hemoglobin-dimethyl dioctadecyl ammonium bromideliposome/3D gold nanostructure-opened partial nanotubes-ionic liquid/electrode
 - Glassy carbon for measuring acrylamide in food samples
 - Comparative investigation of the antifungal effect of denture adhesive containing zirconia particles in the form of nanoparticles and normal particles against *Candida albicans*



- Investigating the toxicity of camellia seed oil in an animal model
- Removal of free fatty acids from edible oils using functionalized magnetic nanoparticles
- Systematic review and meta-analysis of preclinical and clinical studies on the effectiveness of ginger in the treatment of fatty liver disease
- Crocin liposomal formulation, investigating the physicochemical properties of the formulations and its effect on reducing inflammatory responses in rat arthritis

Inventions

- A process for the production of carotenoid pigments using *Rhodotorula Rubra*
- Airlift bioreactor to produce carotenoid pigments
- A sensor that detects the presence of dithionite (blanket) in flour products.





Medical Technology Research Center

This center was founded to advance and apply human knowledge in the area of medical technology. It received initial approval from the Council for the Development of Medical Sciences Universities under the relevant Ministry in 2018.

Infectious Diseases Research Center

The center consists of three units for liver and digestive diseases, as well as hospital infections, which were merged in 2017 following ministerial instructions and began operating under the title of Infectious Diseases Research Center. The aim of this center is to expand human knowledge and assist in the prevention, treatment, and education of various liver, digestive, and infectious diseases, as well as hospital infections. Additionally, research with clinical applications is conducted to understand the causes, control, and prevention of these diseases.

Cardiovascular Research Center

Established in the first half of 2013 to enhance human knowledge in the field of cardiology, this center was officially approved by the Ministry of Health, Treatment, and Medical Education in 2015 after the launch of the ACS registry.



Regenerative Medicine Research Center

Recent scientific advancements have highlighted the potential of stem cells for treating various diseases. Stem cells have the ability to regenerate and differentiate into different types of body cells. The development of tissue engineering and regenerative medicine using stem cells offers hope for treating hereditary and cancerous diseases. The center was recognized as a fundamental research center by the Council of Medical Sciences Universities of Iran in 2016. With its state-of-the-art facilities and expert faculty members, the center is poised to conduct significant applied research projects aligned with its objectives. It is the only center at KUMS equipped with a clean room featuring a main class B culture room, two class IIA laminar hoods, and advanced airlock systems. The clean room also contains laboratory equipment such as a centrifuge-incubator installation and other necessary tools, all made of steel for hygiene purposes.





Institutes
in
KUMIS



The Health Technologies Research Institute, the first research institute at Kermanshah University of Medical Sciences, was established in 2018 to advance research and develop technologies focusing on the molecular basis of diseases, science, and nanotechnology, with a particular emphasis on fertility, infertility, and regenerative medicine. The institute is officially licensed by the Ministry of Health, Treatment, and Medical Education.

Covered research centers:

- Medical Biology Research Center
- Fertility and Infertility Research Center
- Nanodrug Delivery Research Center
- Oils and Fats Research Center
- Regenerative Medicine Research Center
- Medical Technology Research Center





Mission:

The Health Technologies Research Institute strives to become a leading scientific research center in the country by conducting fundamental and clinical research that enhances public health and provides a platform for specialized research and innovation in designated areas. The institute aligns its efforts with national strategic documents, such as the comprehensive map and the country's -20year vision document. By leveraging research-based knowledge and the expertise of professionals from affiliated centers, the institute aims to be recognized as a dynamic and progressive research facility that generates innovative solutions through applied research with both scientific and economic objectives. It is committed to transitioning into a third-generation university that promotes entrepreneurship in the healthcare sector and fosters skill development based on regional scientific expertise.

- Contributing to the advancement and enhancement of the community's health and elevating the university's scientific standing in the region through the establishment of an effective research platform for coordinating clinical research and basic sciences.
- Promoting collaborative research and fostering active communication with other research centers in the country and globally.
- Establishing Kermanshah University of Medical Sciences as a leading medical research center in the country.

Research field and capabilities

The Health Technologies Research Center operates in various areas, leveraging the expertise, experience, and specialized knowledge of academic staff members, non-academic researchers, and students. They work within the research center and utilize the research tools and facilities of its sub-category centers to conduct basic, applied, and interventional research in the following areas



- Preparation of products required for medical diagnostic kits and products utilized in the pharmaceutical and food industries.
- Studies on proteomics, drug-protein interactions, and the examination of cardiac effects of drugs and plant extracts in laboratory settings.
- Isolation and purification of medicinal and functional proteins and peptides, along with active components of medicinal plants.
- Execution of diverse clinical trials involving cell products, herbal remedies, and synthetic drugs.
- Development of angiogenesis models and exploration of the angiogenic and anti-angiogenic impacts of synthetic drugs and various natural compounds.
- Pharmacokinetic investigations and exploration of the pharmacogenetic effects of medicinal plants.
- Alleviation of disease burdens through comprehension of the molecular foundations and contribution to the development of a new era of medications.
- Examination of the molecular basis of hemoglobinopathies, thrombosis, preeclampsia, and various cancers.
- Research endeavors in the realm of drug delivery systems utilizing nano techniques.
- Utilization of cell science to analyze animal models and different tissues for the treatment of infertility, cancer, and related ailments.
- Application of reconstructive medicine science for the treatment of urinary and reproductive tract disorders, bone issues, regenerative diseases, and more.
- Measurement and analysis of fatty acids, oils, as well as the assessment of pollutants, medications, etc.



Health Research Institute

The Health Research Institute at Kermanshah University of Medical Sciences was established in 2019 with the goal of advancing research and technology in economic, social, and environmental aspects of health. This includes cardiovascular diseases, infectious diseases, behavioral issues, substance abuse prevention, sleep disorders, and pharmaceutical sciences nationwide. The institute conducts scientific research, collaborates with other organizations, undertakes academic and international missions, and organizes journal clubs and scientific meetings with skilled faculty members and experts.

The Health Research Institute aims to establish a conducive environment for basic, developmental, and applied research by leveraging the expertise of faculty members, research partners, and advanced equipment. By focusing research resources on identifying and addressing health issues, the institute seeks to enhance societal health through effective scientific and research communication.

Research fields

- Epidemiological research in the field of infectious and non-infectious diseases
- Prioritizing and conducting applied research in the field of health problems based on the study for the burden of diseases
- Qualitative research in the field of public health
- Environmental research (water, sewage, food, waste materials, radiation, soil, environmental pollutants, etc.)
- Research in the field of health management and economics and improving the quality of services
- Research in the field of social damage and substance abuse



- Research and innovation in the field of pharmaceutical sciences
- Health problems related to sleep disorders
- Research in the field of lifestyle, social empowerment, health education, and community health promotion
- Health justice and inequality, health promotion based on community participation
- Quantitative and qualitative improvement of research in the field of infectious diseases.





Educational Centers



Educational centers in Kermanshah include the Medical Educational Development Center (EDC), Regular Trainings of Medical Community Center, and Clinical Skills Center, which are briefly described below.

Established in 1995 on a 1500 square meter area next to Taleghani Hospital, this center comprises six research and teaching units and twelve committees. It is a key unit of the Vice Chancellor for Education, created in 1998 to plan and execute major objectives aimed at enhancing the quality of education at the university. The center's active committees work towards educational development by identifying weaknesses and implementing programs for education enhancement, academic advancement, and aligning educational programs with societal needs.



Key achievements and innovations of the Medical Education Development Center include:

- Introducing an electronic academic report card for faculty members
- Conducting a six-month educational and research empowerment program for academic staff with less than 5 years of experience (approximately 250 hours)
- Virtualizing %50 of workshops for academic staff in the current year
- Introducing student evaluations and evaluating teachers' lesson plans in the classroom for the first time in the country

- Implementing budgeting for teaching hospitals
- Establishing a committee to coordinate and supervise the Educational Development Offices (EDO)
- Enrolling 120 skilled students at the Ministry of Health;
- Creating an electronic report for evaluating and calculating performance-based rewards for clinical faculties;
- Showcasing three top national processes at the Shahid Motahari Festival over the past three years;
- Achieving the top position in educational management in the university educational ranking (RAD plan) last year;
- Securing the second spot in the national ranking at the Shahid Motahari Festival for organizing a medical education exhibition;
- Collaborating with the Ministry of Health and Medical Education to assess six editions of the Shahid Motahari Festival.



Continuing Medical Education Organization

Retraining encompasses all post-graduation activities aimed at maintaining acquired skills, enhancing quality and quantity, learning new academic materials and skills, ultimately leading to the enhancement of healthcare and treatment services in society.

The Continuing Medical Education Organization (CME) in Kermanshah was established in 1998 as part of the Medical Education Development Center. It operated in conjunction with this center until 2008, when it began functioning independently under the supervision of the Vice Chancellor for Education, known as the Continuing Medical Education Organization of Kermanshah. In 2011, this center became part of the national online education network. Additionally, CME and CE provide educational programs tailored to the practical needs of physicians and nurses/midwives.

Various educational programs offered in regular training include

- **Conferences**
- **Seminars**
- **Workshops**
- **Short-term professional programs**
- **Regular programs**
- **Self-learning**
- **Conferences and congresses**
- **Educational and research initiatives**
- **Periodic academic conferences**



Clinical Skills Lab

The Clinical Skills Center at KUMS, established in 2007, is among the most successful centers in enhancing students' practical skills. It has a structured educational schedule for all academic levels and programs and conducts over 300 workshops annually (RAD plan documents). It also features an innovative educational approach in delivering the majority of its workshops, leading to top educational ratings. This center was the first to introduce the implementation of Objective Structured Clinical Examination (OSCE) as a comprehensive, three-part, -600point test in western Iran. Kermanshah University of Medical Sciences has fully equipped this clinical skills center, spanning 600 m2 with standard facilities for conducting OSCE. With the establishment of this center, KUMS now boasts one of the largest clinical skills facilities.





KERMANSHAH UNIVERSITY OF MEDICAL SCIENCES