



Sustainable KTU

SUSTAINABILITY REPORT 2024

3 GOOD HEALTH
AND WELL-BEING



www.ktu.edu.tr/sustainability



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Sustainable development is not only a global vision, but also a shared responsibility that our country bears towards future generations. In this sense, the Sustainable Development Goals (SDGs) set by the United Nations, Turkey's 11th and 12th Development Plans, the Green Deal Action Plan, and the Higher Education Council's sustainability vision form a roadmap for higher education institutions.

As Karadeniz Technical University, we consider it our primary duty to contribute to these goals in line with our mission of education, research, and community service. Our university produces science-based knowledge, develops policies, and implements projects in interaction with the community across a wide range of areas, from quality education to climate action, from poverty reduction to the construction of innovative and sustainable cities.

In line with our country's national policies, our university leads regional development and assumes global responsibility through international collaborations, while also aiming to educate our students to become conscious individuals for a sustainable future. The report prepared in this context reflects not only the activities carried out but also our university's determination on its sustainability journey.

Our belief in the future is strengthened by the guidance of science and the dynamism of our youth. Karadeniz Technical University will continue to contribute to sustainable development goals and support our country's vision in this area.

Prof. Dr. Hamdullah ÇUVALCI
Rector, Karadeniz Technical University



3 GOOD HEALTH AND WELL-BEING



The right to a healthy and quality life is a fundamental human right that everyone is inherently entitled to. Among the United Nations Sustainable Development Goals (SDGs), SDG-3: Good Health and Well-being aims to ensure health and well-being for individuals of all ages. In line with this goal, multidimensional objectives such as disease prevention, mental health protection, improved access to healthcare services, and the promotion of healthy lifestyles come to the forefront.

Higher education institutions play a strategic role in contributing to this global objective. Universities bear responsibility both as providers of health services and as knowledge hubs that promote a culture of healthy living among students, staff, and society. Elements such as education, research, community engagement, and physical infrastructure form the foundation of policies supporting health and well-being.

Karadeniz Technical University (KTU), with a holistic approach prioritizing student and staff health, has implemented numerous services and programs aimed at supporting physical, mental, and social well-being. Activities carried out in this context include education and research competencies in health, delivery of healthcare services, psychological counseling, sports and recreation facilities, and awareness-raising initiatives.

This report aims to comprehensively examine KTU's policies, practices, and impacts in line with SDG-3, highlighting the university's contribution to both individual and community health.



Institutional Structure

Karadeniz Technical University (KTU) has a well-established and interdisciplinary academic and institutional structure that makes multifaceted contributions to SDG 3: Good Health and Well-being. Through its health-oriented faculties, institutes, and vocational schools, the university both trains qualified health professionals and takes a leading role in promoting public health awareness.

- The Faculty of Medicine, as one of the region's most established medical education institutions, provides healthcare services through its strong academic staff and teaching hospital, while also conducting education and research in preventive medicine, public health, and primary care services. The faculty directly contributes to numerous targets within SDG 3 through its graduates and ongoing projects.
- The Faculty of Dentistry strengthens the community's oral and dental health through research, education, and clinical services. Through clinical practice, students gain early competencies in patient communication and generating societal benefit; meanwhile, preventive dentistry practices conducted within the faculty support the adoption of healthy living habits from an early age.



[KTU Faculty of Medicine](#)

[KTU Faculty of Dentistry](#)





- **The Faculty of Pharmacy** plays a critical role in enabling individuals to maintain healthy lives through its work in rational drug use, medication safety, and pharmaceutical sciences. The faculty stands out with social responsibility projects, public partnerships, and scientific research that contribute to public health.
- **The Faculty of Health Sciences** trains expert health professionals in key areas such as nursing, nutrition and dietetics, physiotherapy, and rehabilitation. Students are able to provide healthcare services to various age groups in the community through the knowledge and skills they acquire in both theoretical and practical training processes.
- **The Health Sciences Institute** supports the production of scientific knowledge in the health field through its graduate programs at the master's and doctoral levels, and conducts research activities that advance both academic and professional development. Through multidisciplinary projects, the institute develops solutions in areas such as public health, health management, and chronic diseases.
- **The Vocational School of Health Services** educates personnel directly involved in the healthcare sector, including laboratory techniques, medical documentation and secretarial work, and first and emergency aid. This school plays an important role in meeting the demand for qualified technical staff in the functioning of the health system.
- **Maçka Vocational School**, with programs directly related to health such as veterinary and pharmacy services, trains professionals who contribute to the enhancement of societal well-being.



[KTU Faculty of Pharmacy](#)
[KTU Faculty of Health Sciences](#)
[KTU Health Sciences Institute](#)

[KTU Vocational School of Health Services](#)
[KTU Maçka Vocational School](#)





KTU's interdisciplinary healthcare structure creates a broad impact, from improving health literacy to providing services, from education to research, enabling the university to make a holistic contribution to the goals of healthy individuals, healthy societies, and sustainable healthcare systems. The number of academic staff, administrative staff, and students in our healthcare units is shown in the table.

Birim	Akademik Personel	İdari Personel	Öğrenci
Diş Hekimliği Fakültesi	137	118	614
Eczacılık Fakültesi	49	17	491
Sağlık Bilimleri Fakültesi	61	15	1251
Tıp Fakültesi	400	49	1518
Sağlık Bilimleri Enstitüsü	7	6	372
Maçka MYO	33	7	818
Sağlık Hizmetleri MYO	18	10	693
TOPLAM	705	222	5757





KTU Farabi Hospital: Regional Health Service and Academic Practice Center

KTU Farabi Hospital, as the teaching and research hospital of the Faculty of Medicine, is one of the most comprehensive and well-equipped healthcare institutions in the Eastern Black Sea Region. Operating simultaneously in education, service, and research, Farabi Hospital provides multidimensional contributions toward SDG 3: Good Health and Well-being.

With its advanced medical infrastructure, team of specialist physicians, and multidisciplinary service approach, Farabi Hospital facilitates the local population's access to healthcare, playing a central role particularly in cases requiring advanced diagnosis and treatment. At the same time, it offers practical training and professional development opportunities for students studying medicine, nursing, pharmacy, and other health-related fields.

Farabi Hastanesi Sağlık Hizmetleri Sayısı

	Poliklinik Hasta Sayısı	Ameliyat Sayısı	Acil Hasta Sayısı
2020	480.910	65.103	75.161
2021	634.053	57.658	87.551
2022	710.737	30.927	126.365
2023	736.908	60.172	137.916
2024	892.860	62.333	135.707





In 2024, a total of 892,860 individuals applied to the outpatient clinics of Farabi Hospital, 135,707 visited the emergency department, and 62,333 underwent surgery. Additionally, within the same year, a total of 3,823 foreign patients from 64 different countries sought treatment, including 3,616 outpatients and 207 inpatients. The countries with the highest number of patients were Georgia, Saudi Arabia, and Azerbaijan.

KTU Faculty of Dentistry Hospital: Academic Service and Social Contribution in Oral and Dental Health

KTU Dentistry Hospital, operating within the Faculty of Dentistry at Karadeniz Technical University, is an important healthcare institution that goes beyond serving as a clinical training center for students, providing oral and dental health services to the local community. Through both the treatment services offered and preventive health practices carried out, the hospital directly contributes to the core components of SDG 3: Good Health and Well-being.

Equipped with modern patient reception units, clinics, and laboratories, the hospital delivers a wide range of services, from dental caries and orthodontic problems to periodontal diseases and surgical interventions. Treatment processes are conducted by both specialist academic staff and senior students involved in clinical training. In 2024, KTU Dentistry Hospital served a total of 171,019 individuals.





Primary Health Care Services at KTU: Medico-Social Center and Infirmary Applications

KTU effectively provides primary healthcare services to maintain the physical and mental well-being of its students and staff. The Medico-Social Center, operating within the university, serves as the first point of contact for students, academic, and administrative personnel to meet their basic health needs.

The services offered at this center are provided under the Social Security Institution (SGK) coverage in accordance with Law No. 5510 on Social Insurance and General Health Insurance. When necessary, patients are referred to relevant healthcare institutions for advanced examinations and treatment.

Additionally, through the on-campus infirmary unit, the following services are provided:

- Providing medical intervention in emergencies regardless of eligibility for services,
- Delivering first aid and emergency response services,
- Carrying out treatment procedures planned by the attending physician (such as injections, dressings, etc.) within the scope of nursing services,
- Performing basic health checks, including blood pressure and temperature measurements.



[KTU Health Services](#)



KAMPÜSTE YALNIZ DEĞİLSİN

Karadeniz Teknik Üniversitesi Öğrencilerine Özel
Ücretsiz Danışmanlık Desteği ile Yanınızdayız!

PSIKOLOG
TUĞÇE BORA YILMAZ
Mail: tugceborayilmaz@ktu.edu.tr
Tel: 0462 377 22 48 /2005



The Psychological Counseling and Guidance Unit at KTU aims to support the mental, emotional, and social well-being of students and staff, helping them cope with challenges they encounter. The unit provides preventive, protective, and, when necessary, intervention-based psychological support services. In 2024, Psychological Counseling and Guidance services were provided to 202 students.

The main services provided include:

- Individual and group psychological counseling,
- Guidance supporting academic, social, and emotional development,
- Referrals based on psychological assessment tools,
- Support for adjustment processes and seminars.

Services are available free of charge to all students and staff, every weekday.

In 2024, the International Health Tourism Unit was established within KTU Farabi Hospital. This unit aims to make high-quality healthcare services accessible at an international level, strengthen regional healthcare capacity, and enhance Turkey's effectiveness in health tourism through health diplomacy. The unit systematically provides diagnostic, treatment, companion, and coordination services, particularly for patients coming from abroad, operating in alignment with SDG 3 by contributing to the principle of equitable access to healthcare.



[KTU International Health Tourism Unit](#)





Sports Activities and Healthy Living Culture at KTU

KTU conducts various sports activities to enhance students' physical and mental health, promote disciplined lifestyle habits, and foster a culture of active and healthy living. These activities are carried out under the coordination of the Directorate of Health, Culture, and Sports.

The main sports activities at KTU include:

- Intra-university sports activities: Regular physical activity is promoted through sports festivals, healthy living events, and recreational tournaments.
- Inter-university sports activities: KTU actively participates in national competitions organized annually by the University Sports Federation across multiple sports disciplines.

The sports complex where these activities are conducted spans a total area of 27,542.41 m² and includes 22 different sports facilities. Students and staff can access these facilities through an online reservation system via the Campus Information System (BYS). In 2024, a total of 57,660 individuals—8,373 staff members and 49,287 students—utilized these facilities through the system.





National Successes of KTU Sports Teams



KTU supports a culture of active living by encouraging sports activities aimed at improving the physical and mental health of its students. Within this scope, our students have achieved significant national-level successes in various disciplines:

- Ünilig Volleyball Regional Competitions (February 5–9, 2024, Trabzon): Our Men's Team ranked 3rd, and our Women's Team ranked 2nd.
- Kickboxing Turkey Championship (February 18–19, 2024, Mersin): Our KTU athlete became the Turkey champion.
- Ice Climbing Championship (February 19–20, 2024, Erzincan): The KTU Team became the Turkey champion.
- Folk Dance Ünilig Competitions (May 9–15, 2024, Diyarbakır): The KTU Team ranked 4th.
- Basketball Regional League Competitions (December 2–6, 2024, Sivas): Our Women's and Men's Teams both ranked 3rd.
- Volleyball Regional League Competitions (December 9–13, 2024, Artvin): Our Men's Team ranked 1st, and our Women's Team ranked 3rd.

These achievements demonstrate KTU's commitment to sports and the holistic development of young people, reflecting the outcomes of sustainable policies that support students' physical, mental, and social well-being.



[KTU Sports Services](#)





Contributing to Healthy Living with KTU Research and Development Activities

KTU plays an active role in scientific knowledge production, innovative solution development, and the improvement of public health through its multidisciplinary research and development activities in the field of health. The Faculty of Medicine, Faculty of Pharmacy, Faculty of Dentistry, Faculty of Health Sciences, Health Sciences Institute, and various research centers within KTU carry out studies that serve SDG 3: Good Health and Well-being.

Within the scope of R&D processes:

- National and international projects are conducted in areas such as public health, infectious diseases, obesity, aging, chronic diseases, and healthy lifestyles,
- Research projects supported by TÜBİTAK, the EU, and public institutions are carried out in health technologies, digital health solutions, biomaterials, and drug development,
- Studies conducted by faculty members and researchers are published in international peer-reviewed journals, contributing to scientific knowledge,
- Innovative health initiatives are supported through programs such as BiGG, TeknoGirişim, TÜBİTAK 1004, TÜSEB, and BAP,
- Community-based health research and screenings are conducted for the local population through KTU research centers.

Through these activities, KTU aims not only to produce academic knowledge but also to develop practical health solutions, strengthen regional healthcare services, and directly contribute to the Sustainable Development Goals.





Increasing R&D Competence in the Field of Health in Application and Research Centers

KTU aims to strengthen its research infrastructure in health sciences and technologies to enhance high-quality scientific output and application-oriented results. The university's Application and Research Centers have the capacity to provide services at international standards, supporting research aligned with SDG 3: Good Health and Well-being.

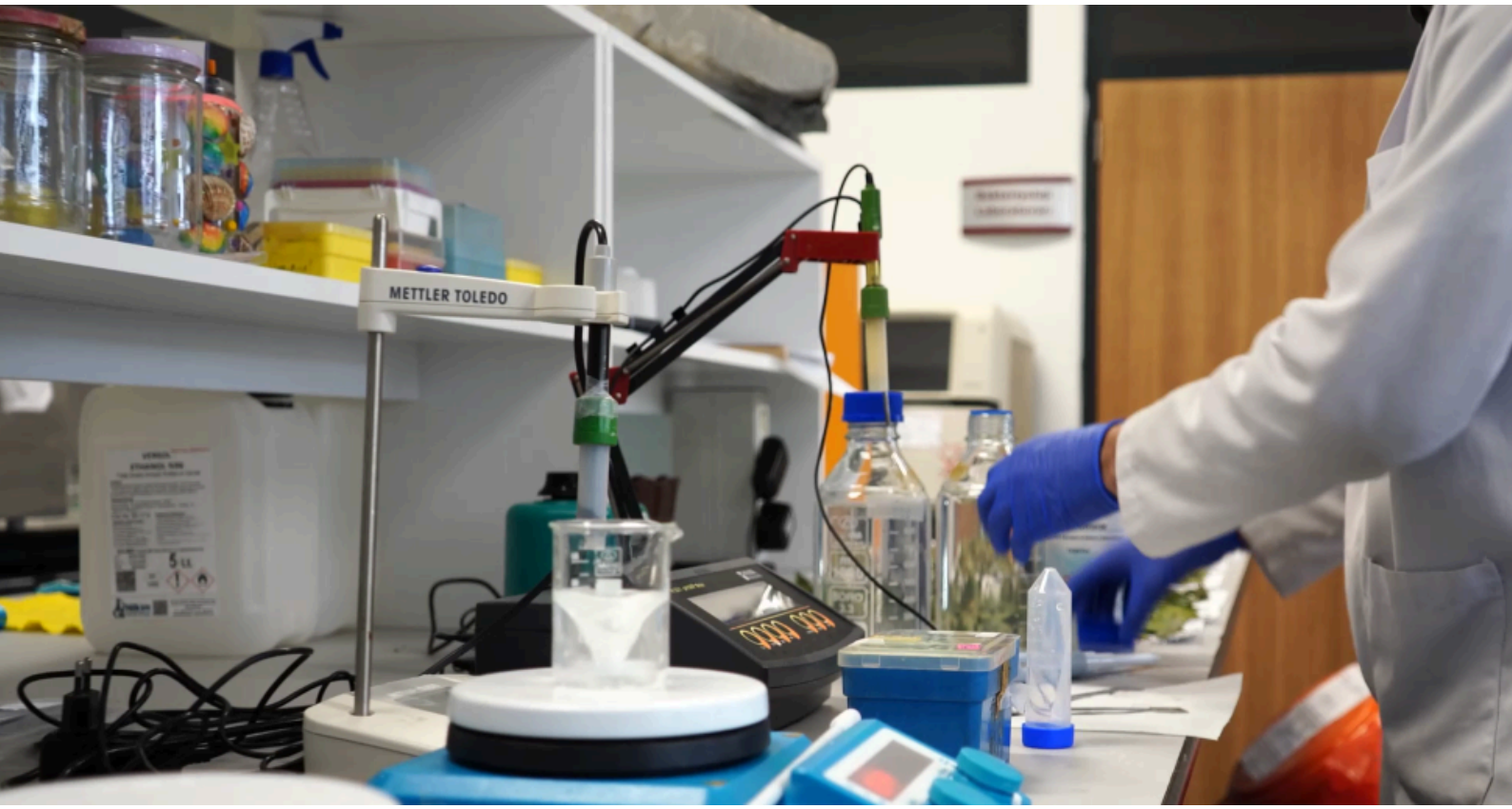
The Drug and Pharmaceutical Technology Application and Research Center (İLAFAR) was awarded the OECD Good Laboratory Practice (GLP) Compliance Certificate by the Turkish Accreditation Agency (TÜRKAK) on January 23, 2024. This certificate verifies that the studies conducted at the center meet international quality standards and enhances institutional reliability in drug R&D processes.

The Medical Device Design and Manufacturing Application and Research Center (METAM) focuses particularly on areas in the medical sector with high import dependency, producing customized implant components. It stands out for its work that promotes domestic production, reduces costs, and offers innovative medical solutions.



[KTU İLAFAR](#)
[KTU METAM](#)





The Neurophysiology (Brain-Computer Interface) Laboratory holds an ISO 13485 (Medical Device Quality Management System) certification and is actively working towards CE certification. This infrastructure supports advancements in neurotechnology and enables the development of innovative applications in health technologies.

These competent research centers at KTU support not only scientific advancement within the university but also the vision of producing local and sustainable health solutions that prioritize public health.

Informational and Academic Activities Strengthening a Culture of Healthy Living

KTU organizes various informational activities, symposiums, and scientific meetings to raise awareness of healthy living and improve the health literacy of the community. These events directly contribute to SDG 3: Good Health and Well-being by extending the university's expertise in the health field to a wider audience.

KtÜ'den Sağlık

Hipertansiyon ve Böbrek Hastalıkları

Prof. Dr. Şükrü ULUSOY

KTÜ'den Sağlık

KTÜ TV tarafından

Oynatma listesi • 209 video • 649 görüntüleme

Tümünü oynat

- Informative broadcasts on topics such as healthy nutrition, protection against infectious diseases, mental health, physical activity, and combating addiction are carried out primarily through KTU TV, including the program 'Health from KTU,' as well as other digital platforms.
- Throughout the year, faculties, application and research centers, and student communities organize numerous symposiums, panels, seminars, and conferences. These events bring together academics, health professionals, and students to discuss current health issues and develop potential solutions.
- Our university also hosts health-themed congresses at local and national levels, promoting academic knowledge sharing and interdisciplinary collaboration.

Through these activities, KTU not only produces academic knowledge but also establishes a model of a university that shares information with the community, raises awareness, and promotes healthy living.

2024 Serisi

Fitovijilans

Dr. Öğr. Üyesi
İçim GÖKKAYA
KTÜ Eczacılık Fakültesi
Farmasözik, Botanik Anabilim Dalı

16 EKİM²⁰²⁴
10.00

KTÜ RADYO/TV - CANLI YAYIN
Radyo: KTÜ 101.7 - ktu.edu.tr/radyo - www.youtube.com/ktutv

Hipertansiyon Tedavisinde Eczacının Rolü

Dr. Öğr. Üyesi
Elif Nur BARUT
KTÜ Eczacılık Fakültesi
Farmakoloji Anabilim Dalı

23 EKİM²⁰²⁴
10.00

KTÜ RADYO/TV - CANLI YAYIN
Radyo: KTÜ 101.7 - ktu.edu.tr/radyo - www.youtube.com/ktutv

Diyabet İlaçlarının Akılcı Kullanımı

Dr. Öğr. Üyesi
Seçkin ENGİN
KTÜ Eczacılık Fakültesi
Farmakoloji Anabilim Dalı

13 KASIM²⁰²⁴
10.00

KTÜ RADYO/TV - CANLI YAYIN
Radyo: KTÜ 101.7 - ktu.edu.tr/radyo - www.youtube.com/ktutv

Diş İmplantları

Doç. Dr.
Efe Can SİVRİKAYA
KTÜ Diş Hekimliği Fakültesi
Ağız Diş ve Çene Cerrahisi AD.

27 ARALIK²⁰²⁴
14.00

KTÜ RADYO/TV - CANLI YAYIN
Radyo: KTÜ 101.7 - ktu.edu.tr/radyo - www.youtube.com/ktutv

İmplantüstü Protetik Restorasyon ve Estetik Yaklaşımlar

Prof. Dr.
Elif AYDOĞAN AYAZ
Klinik Bilimler Bölümü
Protetik Diş Tedavisi AD. Öğretim Üyesi

4 EKİM²⁰²⁴
14.00

KTÜ RADYO/TV - CANLI YAYIN
Radyo: KTÜ 101.7 - ktu.edu.tr/radyo - www.youtube.com/ktutv

Diş Beyazlatma Yöntemleri

Doç. Dr.
Tuğba SERİN KALAY
KTÜ Diş Hekimliği Fakültesi
Restoratif Diş Tedavisi AD. Başkanı

18 EKİM²⁰²⁴
14.00

KTÜ RADYO/TV - CANLI YAYIN
Radyo: KTÜ 101.7 - ktu.edu.tr/radyo - www.youtube.com/ktutv

Egzersiz Mental Sağlığa Etkisi

Doç. Dr.
Arzu ERDEN GÜNER
KTÜ Fizyoterapi ve Rehabilitasyon Bölümü Başkanı

21 EKİM²⁰²⁴
14.00

KTÜ RADYO/TV - CANLI YAYIN
Radyo: KTÜ 101.7 - ktu.edu.tr/radyo - www.youtube.com/ktutv

Çocuklarla Ölümü Konuşmak

Dr. Öğr. Üyesi
Esra HOŞOĞLU
Çocuk ve Ergen Ruh Sağlığı Hastalıkları Anabilim Dalı

11 EKİM²⁰²⁴
14.00

KTÜ RADYO/TV - CANLI YAYIN
Radyo: KTÜ 101.7 - ktu.edu.tr/radyo - www.youtube.com/ktutv



[Healthy Living YouTube Channel](#)





Academic Contributions

KTU continues its high-quality efforts toward SDG 3: Good Health and Well-being. According to the Scopus database, the number of scientific publications related to this development goal increased from 183 in 2023 to 277 in 2024. Purpose-driven scientific projects at both undergraduate and graduate levels are also actively ongoing. In the AVESIS database, 20 conference papers and 12 book chapters are among the publications contributing to this field.

According to THE Impact Ranking data, KTU scored 45 points in SDG 3: Good Health and Well-being in the 2025 results (based on 2024 data). Furthermore, KTU achieved an indicator score of 80 in SDG 3 for scientific outputs in 2025 (based on 2024 data).

In conclusion, KTU makes significant contributions to the advancement of SDG 3: Good Health and Well-being at regional and national levels through its scientific research in health, community health services, and awareness-raising activities. With its strong academic infrastructure and qualified human resources, the university leads not only in disease prevention and treatment but also in promoting a culture of healthy living. Moving forward, KTU will continue to strengthen interdisciplinary collaborations and develop innovative approaches to enhance the health level of society.





Sustainable KTU

This publication has been prepared by KTU Office of
Research Coordination



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