



Sustainable KTU

SUSTAINABILITY REPORT 2025

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



www.ktu.edu.tr/sustainability



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Sustainability is one of the most important areas of responsibility shaping our future through its environmental, economic, and social dimensions. Universities are not only institutions that produce knowledge, but also pioneering structures that guide sustainable development and contribute to social transformation.

In line with the United Nations Sustainable Development Goals (SDGs), the development objectives of our country, and the vision of sustainability in higher education, we, as Karadeniz Technical University, place sustainability at the core of our education, research, social contribution, and institutional governance processes.

Throughout 2025, our university carried out significant initiatives in many areas, including quality education, climate action, energy efficiency, scientific research, social inclusion, and regional development. Through projects focused on scientific knowledge production and societal contribution, we continued to support the achievement of sustainable development goals.

This report presents our university's activities in the field of sustainability and our commitment to the future. Guided by science and in collaboration with our stakeholders, we believe that we will continue working towards a more sustainable future.

Prof. Dr. Hamdullah ÇUVALCI
Rector, Karadeniz Technical University



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Sustainable Development Goal 9 (SDG 9): Industry, Innovation and Infrastructure aims to develop resilient infrastructure, promote inclusive and sustainable industrialization, and strengthen innovation capacity in order to support economic growth, accelerate technological progress, and enhance social welfare. In this context, expanding research and development activities, strengthening technological infrastructure, increasing local production capacity, and supporting innovation ecosystems are among the key priorities.

Karadeniz Technical University (KTU) carries out comprehensive activities in the fields of education, research, and community engagement in line with its vision of sustainable industry and innovation. Through its research centers, the Technology Transfer Application and Research Center (KTU TTM), and Trabzon Teknopark, the university develops strong collaborations with industry stakeholders, aiming to transfer academic knowledge into practice, develop innovative products and technologies, and contribute to regional development.

KTU also promotes the dissemination of an innovation-oriented culture by encouraging patent and utility model applications and by implementing entrepreneurship support programs, project competitions, training activities, and mentoring initiatives for students. In order to enable students and researchers to transform ideas into practical outcomes, the university strengthens applied laboratory infrastructure, fosters interdisciplinary working environments, and supports the entrepreneurship ecosystem. In addition, KTU aims to contribute directly to regional industry and support the development of local production capacity through engineering, technology, and design-oriented projects.

This report aims to present the activities, strategic approaches, and collaborations carried out by KTU within the scope of SDG 9 throughout 2025, while highlighting the university's contributions to sustainable industry, innovation, and infrastructure at both regional and national levels.



Institutional Structure

Karadeniz Technical University (KTU) contributes to sustainable development at regional, national, and international levels through its strong academic capacity and institutional structure, in line with the Sustainable Development Goal 9 (SDG-9) on Industry, Innovation, and Infrastructure. Within the university, various units support research and development processes, leading the transformation of scientific knowledge into social and economic benefits.

The Technology Transfer Application and Research Center (TTM) plays a strategic role in developing the entrepreneurship and innovation ecosystem. The center facilitates the commercialization of academic knowledge, manages patent processes, and ensures the sustainable organization of knowledge flow between industry and the university.

The BAP Coordination Unit, established to fund research activities and incentivize researchers, contributes to the effective utilization of research infrastructure through its support for innovative projects, while also strengthening scientific production in nationally and internationally prioritized areas.

The Application and Research Centers (UYGAR), with their multidisciplinary structures, conduct a wide range of research, mediating the translation of academic work into societal benefits and generating R&D solutions needed by both public and private sectors.

Additionally, Trabzon Teknopark, another key component of KTU's innovation ecosystem, supports the development of entrepreneurs, start-ups, and technology firms, transforming the university's knowledge base into economic value.





Technology Transfer Application and Research Center (TTM)

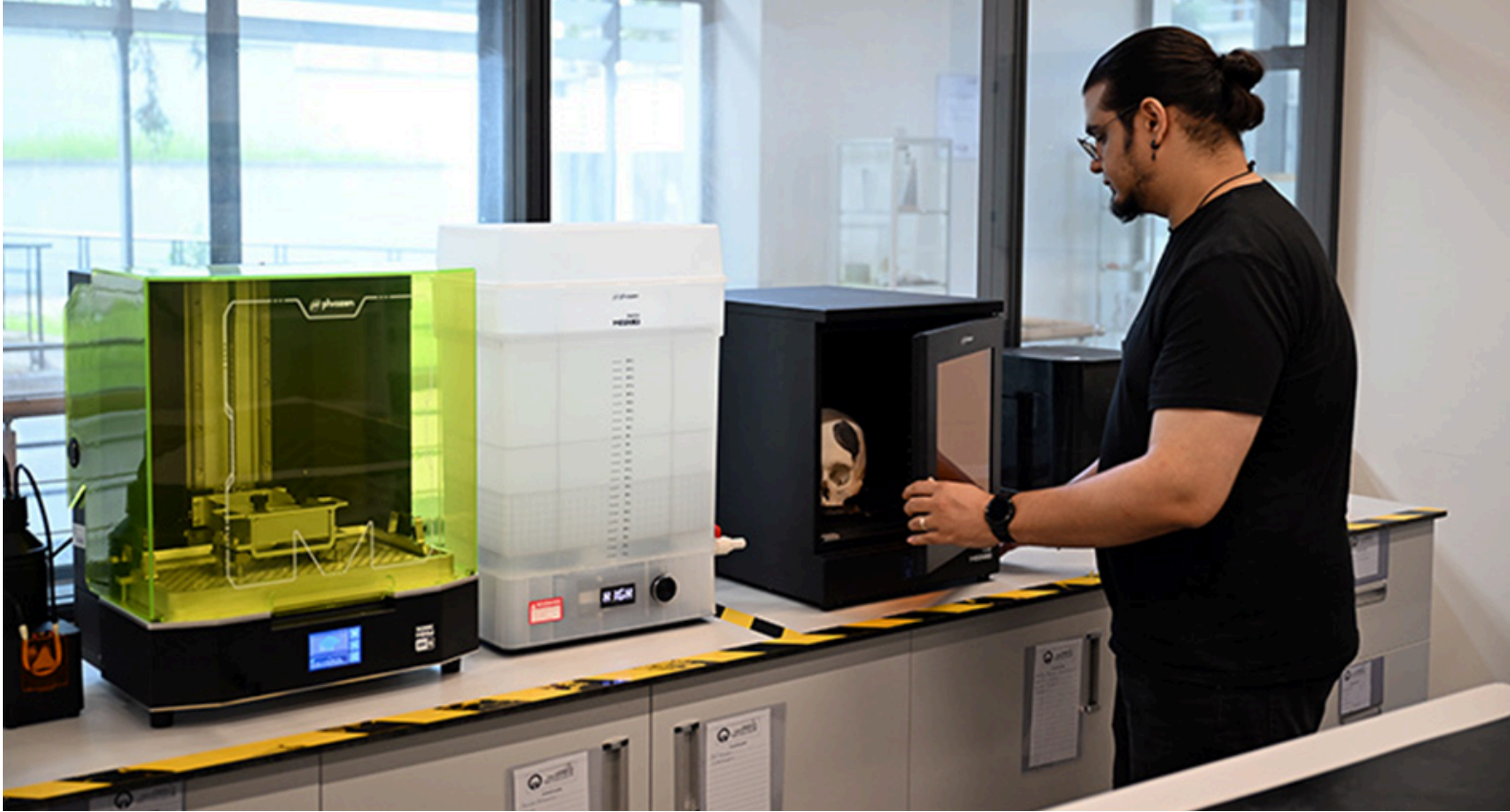
The Technology Transfer Application and Research Center (TTM) at Karadeniz Technical University (KTU) is an institutional structure established by the Senate decision dated December 26, 2012, aimed at systematically strengthening KTU's university-industry collaboration capacity. TTM's mission includes supporting researchers in project preparation processes, managing the registration, licensing, and commercialization of intellectual and industrial property rights, fostering an entrepreneurial culture, and providing infrastructure for innovative collaborations.

The center provides R&D infrastructure to the region through university-industry joint projects, entrepreneurship and spin-off support, project funding consultancy, intellectual property management, and national/international networking activities. TTM's portfolio includes 52 international projects, 140 registered technologies, and 56 established companies. Additionally, through initiatives such as "TTM Academy," e-newsletters, and sector-specific training programs, TTM actively engages academics and students in the project ecosystem.



[KTU Technology Transfer Application and Research Center \(TTM\)](#)

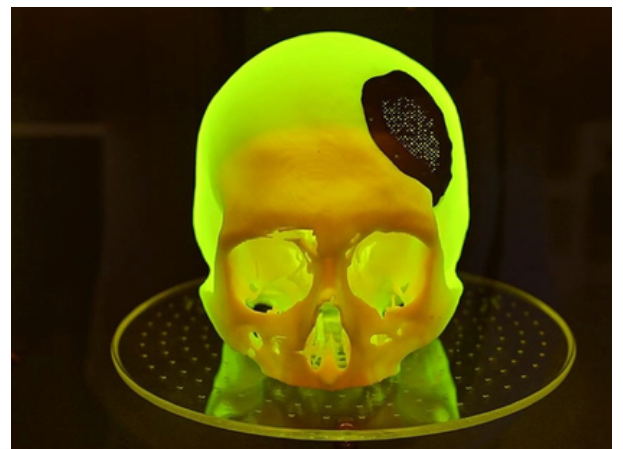




KTU Application and Research Centers

The Application and Research Centers operating within Karadeniz Technical University (KTU) are strategic units that support the university's research-focused vision and directly contribute to SKA-9 objectives related to infrastructure, innovation, and industry collaboration. In total, 20 UYGARs operate with expertise in different fields; some conduct advanced R&D projects, while others provide sectoral services and coordinate public-private partnerships. In 2025, the number of priority sector projects and community-oriented outputs carried out through UYGARs exceeded targets, providing significant qualitative contributions to the university's research capacity.

These centers are positioned not only as hubs for academic output but also as structures that strengthen university-industry-society collaboration. They are regularly monitored through institutional performance indicators and are directly aligned with strategic plan targets. As a result, KTU's UYGARs play a critical role in the processes of scientific knowledge production, technology development, and creation of sectoral solutions, providing tangible contributions to the applied and sustainable infrastructure dimension of SDG 9.



[KTU Application Research Centers](#)





Technology Competitions Coordination

The Technology Competitions Coordination Unit at KTU is a strategic structure supporting SDG 9 – Industry, Innovation, and Infrastructure. Operating under the official directive enacted by the Senate on June 11, 2024, this unit is designed to encourage university students and student clubs to participate in national and international technology competitions, support project development, and strengthen practical skills.



[Technology Competitions Coordination Directive](#)





Trabzon Technopark Technology Development Zone

Trabzon Technopark, jointly managed with KTU (Trabzon Technology Development Zone), stands out as a strategic entity contributing at the institutional level to SDG 9 – Industry, Innovation, and Infrastructure. Established by the Council of Ministers’ decree published in the Official Gazette in 2004 and becoming fully operational in 2008, Trabzon Technopark has been structured as the region’s technology hub through a partnership among KTU, the Trabzon Chamber of Commerce and Industry, the Eastern Black Sea Exporters’ Association, the Municipality, and private sector stakeholders. The Technopark provides entrepreneurial companies operating within the zone the opportunity to conduct R&D projects and supports the digital transformation ecosystem by offering infrastructure, training, consultancy, and support services. Activities span various sectors, including software, hardware, machinery, energy, biotechnology, defense industry, and manufacturing.



Trabzon TEKNOKENT
İleri Teknoloji, Yaratıcılık ve İnovasyonun
Buluşma Noktası

Trabzon’un Yükselen Teknoloji Markaları Teknokent Çatısı
Altında AR-GE Faaliyetlerini Sürdürürken
Ayrıcalıklardan Yararlanıyor



[Trabzon Technopark](#)
[Trabzon Technopark Companies](#)





Trabzon Technopark, in which KTU (Karadeniz Technical University) is a shareholder, deepened university-industry collaboration throughout 2025 by organizing investor-entrepreneur meetings, institutional visits, and startup events to strengthen the entrepreneurship ecosystem.

The “Black Sea Technology and Innovation Day: Investor Meetings” event, organized in collaboration with the Technology Transfer Application and Research Center and the Trabzon Arsin Organized Industrial Zone, with the support of the Trabzon Chamber of Commerce and Industry and Trabzon Technopark, was held on April 22. At the event, patent-protected innovations and technology-focused prototypes were showcased to industry representatives and investors.

The Trabzon Technology Festival, organized by the Trabzon Technology Association on May 5, was held at Trabzon Technopark. Elementary, high school, and university students presented their inventions to the jury. On February 13, Trabzon TEKNOKENT hosted an entrepreneurship summit for high school students organized by the Young Success Education Foundation. This summit is part of a program that allows students to experience entrepreneurship throughout the academic year.



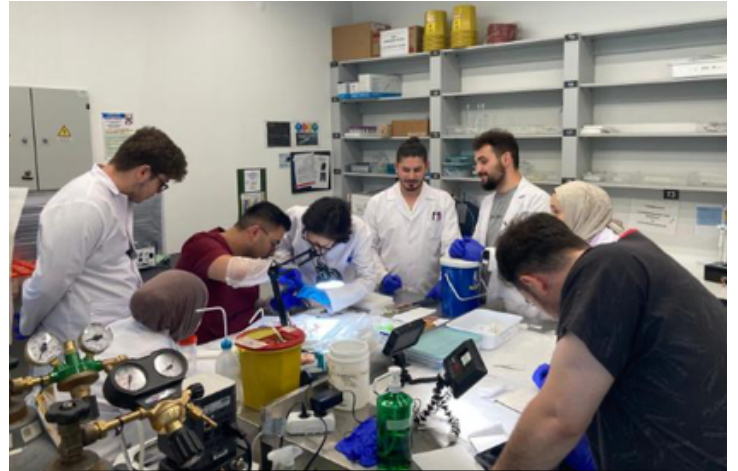
Trabzon Technopark organized the 1st Trabzon Technopark Entrepreneur Workshop with its entrepreneurs. The purpose of the workshop was to better understand the needs and requests of entrepreneurs and to share Technopark’s expectations of its entrepreneurs.





KTU Central Research Laboratory in Industry Collaboration

Within the 2024-2028 Strategic Plan, KTU has set numerous concrete goals and activities aligned with SDG 9, focusing on industry, innovation, and infrastructure. The plan, which aims to strengthen the university's research-oriented structure, prioritizes strategies such as expanding R&D infrastructure, enhancing the effectiveness of application and research centers, and reinforcing public-university-industry collaborations.



Developments such as the commissioning of the Central Research Laboratory and the attainment of quality certification for UYGAR centers have enhanced the university's technical infrastructure capacity to serve industry. Additionally, with reference to policy objectives from the 12th Development Plan and the Medium-Term Program, strategies such as promoting graduate programs that engage with industry in priority sectors, R&D activities focused on commercialization, and innovative product development processes have been incorporated into the university agenda. These strategies aim to create an innovative university ecosystem that supports sustainable industrialization and leverages digital transformation and advanced technologies, reflecting KTU's development objectives in strong alignment with SDG 9.



[KTU Central Research Laboratory](#)





Innovation and Infrastructure Protocols in the University-Industry-Society Axis

As part of the QUEST Project activities, the Physical Quadruple Helix Workshop was held on December 25, 2025. At the conclusion of the meeting, a Memorandum of Understanding was signed to strengthen inter-institutional collaboration, identify areas for joint work, and establish a sustainable governance structure. This laid the institutional foundation for the joint activities to be carried out under the QUEST Project.

The project protocol for our University's Medical Device Design and Manufacturing Application and Research Center, established as part of the "Development and Commercialization of Customized Implant Infrastructure" project, was signed on January 30, by TTSO, KTÜ, and DOKA. Through this project, the center will become a leading facility in Turkey by utilizing modern 3D printing technologies and advanced manufacturing infrastructure to design and produce custom-made biocompatible implants.

In 2025, the Marine Engineering Department and Liquid Cargo Handling Simulators were put into service at our university's Muammer Dereli Campus. The simulators aim to elevate students' professional competencies by providing an environment that closely mimics real-world ship operations.

The Coronary Angiography Unit, the Radiology Department, Intensive Care Unit 4, and the Emergency Intensive Care Unit—the tangible results of new healthcare investments at Farabi Hospital—were officially opened in a ceremony on December 26.



Projects on the University-Industry-Society Axis

Our university's Technology Transfer Application and Research Center (TTM) was re-authorized by TÜBİTAK on December 25, 2025, and qualified to be among the implementing organizations of the BiGG Investment Program. During the 2026-2028 period, TTM will provide acceleration support for entrepreneurs by evaluating technology and innovation-focused entrepreneurial applications, including suitable business ideas in the acceleration program, conducting training modules to structure entrepreneurs' business models, providing one-on-one consultancy through mentor matching, and offering support in preparing for investment processes and developing business plans.



At the ceremony organized by the Trabzon Commodity Exchange on August 11-14, 2025, KTU received an award in the "Those Who Add Value to Hazelnuts" category for its academic support to hazelnut-related projects, its collaborative efforts, and its valuable contributions to the sector.



The innovative digital platform T3N BSB Portal, developed within the scope of the "Transnational Technology Transfer Network for the Black Sea Basin (T3N-BSB)" project, was launched in July 2025. Users will have the opportunity to easily add and showcase a wide range of information, including their expertise, projects, intellectual property assets, academic publications, research and activity areas, educational background, awards, product portfolio, personal networks, and communication accounts.



[Those Who Add Value to Hazelnuts](#)





As part of "World Intellectual Property Day and Patent Week," KTU Technology Transfer Application and Research Center planted a sapling for each registered patent on April 24, 2025, during the "KTU Patent Garden Sapling Planting Day."

The (Interreg VI-B) NEXT Black Sea Basin Programme is a program that brings together regional actors to strengthen links between participating countries and create new collaborations in research, innovation and environmental protection, contributing to sustainable resource management for the benefit of local citizens. Within this scope, 7 project applications were submitted from our University, and 3 of these projects were deemed eligible for funding.

Within our university, the "Artificial Intelligence, Data Science" center was established on May 4, 2025, with the aim of strengthening scientific research, technology development, and "University-Industry Collaboration" and increasing the applicability of artificial intelligence solutions in sectors such as industry, education, health, finance, and logistics. Furthermore, "Sensor and Detector Technologies" Application and Research Centers have been established, aiming to conduct research and development (R&D) studies, develop innovative materials, and produce applicable technological solutions for industry.

The structuring process of the Bee and Bee Products Application and Research Center (APİMER) was completed on November 13, 2025. APİMER will conduct its activities within the framework of conducting scientific research in the field of bee products and natural products, providing analysis services, and supporting sectoral development. Aiming to strengthen "University-Industry Cooperation," APİMER aims to contribute to regional development through national and international project partnerships.



The Faculty of Dentistry launched a digital exam system during the spring semester. In doing so, it not only contributed to environmental sustainability but also implemented a model aimed at enhancing efficiency and security in assessment and evaluation processes.

As a result of R&D activities conducted by the Faculties of Dentistry and Pharmacy, a completely domestically produced, plant-based dental and gum gel has been developed. The product has been approved by relevant authorities, entered mass production as of May, and is now available for sale in pharmacies.

The project titled “Development of New and Rapid Biological Indicators for Sterilization Systems and Training of Qualified Researchers in This Field,” carried out under the TÜBİTAK 2244 Industry-Academia Doctoral Program, was completed on July 25. As an example of university-industry collaboration, the project is developing domestic and innovative solutions in the field of sterilization technologies.

At the Innovation Week IWA 2025 event, Prof. Dr. Ahmet Can ALTUNIŞIK and Dr. Fatih Yesevi OKUR won a total of 8 Gold Medals, 1 Grand Scientific Award, and the “Master of Innovation” title for their invention titled “Deep Learning-Based Anomaly Detection System for Vibration-Based Structural Health Monitoring.” In this event where innovative projects competed, our academic’s research stood out with an innovative system that combines artificial intelligence and deep learning in the field of health monitoring.

According to the 2025 data released by the international academic ranking organization ScholarGPS, our University's Faculty of Engineering, Department of Mining Engineering, achieved a significant success by ranking 1st in Türkiye and 16th in the world in its discipline.



Sterilization Systems Project

International Award





The Great Black Sea Forum, hosted by KTU from December 10-12, made significant contributions to regional cooperation, technology transfer, and the innovation ecosystem. A wide range of projects were showcased, from innovative products to sustainability-focused solutions, from digital technologies to initiatives supporting regional development. The event, which was visited by approximately 800 people from 5 different countries, strengthened national and international collaborations; and made significant contributions to innovative project development processes and the sustainable support of the technology transfer ecosystem.

The "Black Sea Technology and Innovation Day: Investor Meetings," held at our university on April 22, 2025, brought together the region's technological potential with production. 30 patent-based projects developed in various academic units of KTU, ranging from health technologies to energy solutions, artificial intelligence-based systems to advanced materials technologies, and possessing the potential to guide industry, were presented to investors. The event contributes to the development of the region and the strengthening of its technological infrastructure.

The opening ceremony of the 1st National Neuroscience and Artificial Intelligence Medical Student Congress was held between April 19-21, 2025, organized by the students of our University's Faculty of Medicine. "The congress included many innovative topics ranging from brain dissection applications and simulation workshops to advanced training and robotic surgery applications."

Great Black Sea Forum

1st National Neuroscience and Artificial Intelligence Medical Student Congress





Contributions of Student Societies

In the Patent Turkey Competition organized by the Turkish Patent and Trademark Office, our university's postgraduate students won 2nd place with their study "Silicon Phthalocyanine with High Phototoxic Activity in Human Lung (A549) Cancer Cell Lines" and 15th place with their study "Indoor and Outdoor Coating Material with High Photocatalytic Effect".

The KTU Storm Creativity Team won first place at the TEKNOFEST 2025 Hyperloop Development Competition, held at the TÜBİTAK Rail Transportation Technologies Institute (RUTE) between August 26-31, 2025, by advancing more than 100 meters inside the tunnel.

The Faculty of Engineering's Cathode Team won the award for the most original software in the "Original Vehicle Category" at the TEKNOFEST 2025 Robotaxi-Passenger Autonomous Vehicle Competition. The innovative and highly efficient software developed by the Cathode Team in the field of Autonomous Vehicle Technologies has been registered on a national scale.

ISIF'25

TEKNOFEST 2025 Hyperloop Development Competition



Industry, Innovation and Infrastructure-Based Information KTU TV Programs

In line with the SDG 9—Industry, Innovation, and Infrastructure—goals, KTÜ has produced numerous high-quality broadcasts via KTÜ TV to support the generation, sharing, and dissemination of knowledge. These broadcasts cover a wide range of topics, from economic transformation processes and the impact of digitalization on trade to the theoretical and applied dimensions of artificial intelligence and algorithmic systems, innovative approaches in biotechnology and drug design to the developmental stages of software engineering, from quantum computing technologies to digital design and production infrastructures, and from technological transformations in communication systems to AI-supported digital technical applications in naval engineering.

Through these publications, academics facilitate knowledge transfer and strengthen a culture of innovative thinking. As a result, KTU has not only contributed to the dissemination of academic knowledge but has also supported the development of university-industry collaboration, technology-focused awareness, and a sustainable innovation ecosystem, thereby making a concrete contribution to the SDG 9 goals.



KTÜ **KTU TV** KARADENİZ TEKNİK ÜNİVERSİTESİ Kurumsal İletişim Koordinatörlüğü KTÜ Radyo TV

AKADEMİKA

Bilgisayar Destekli İlaç Tasarımı
ve
Biyoenformatik



Doç. Dr. Gizem Tatar YILMAZ
KTÜ Tıp Fakültesi Biyoistatistik ve Tıp Bilişimi Anabilim Dalı

10 Haziran 2025
13.00

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



KTÜ **KTU TV** KARADENİZ TEKNİK ÜNİVERSİTESİ Kurumsal İletişim Koordinatörlüğü KTÜ Radyo TV

AKADEMİKA

Türkiye'nin Dış Ticaret Vizyonu,
Yeni Fırsat ve Tehditler



Dr. Öğr. Üyesi Ozan KALAYCIOĞLU
KTÜ İktisadi ve İdari Bilimler Fakültesi
İşletme Bölümü

5 Kasım 2025
10.00

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



Industry, Innovation and Infrastructure-Based Information KTU TV Programs

KTÜ 1955 **KTU TV** KARADENİZ TEKNİK ÜNİVERSİTESİ Kurumsal İletişim Koordinatörlüğü KTÜ Radyo TV

AKADEMİKA

Yazılım Geliştirmenin Dünü, Bugünü, Geleceği



Dr. Öğr. Üyesi Ercüment YILMAZ
KTÜ Fen Fakültesi
Yazılım Geliştirme Bölüm Başkanı Yrd.



Arş. Gör. Abdulkadir YILDIZ
KTÜ Fen Fakültesi
Yazılım Geliştirme Bölümü



Arş. Gör. Salih Yakuphan KESKİN
KTÜ Fen Fakültesi
Yazılım Geliştirme Bölümü



Murat Can AKYOL
KTÜ Fen Fakültesi
Yazılım Geliştirme Kulübü Başkanı

7 Mayıs 2025
14.00

KTÜ RADYO/TV CANLI YAYIN

KTÜ Radyo 101.7 - ktu.edu.tr/radyotv - www.youtube.com/ktutv

KTÜ 1955 **KTU TV** KARADENİZ TEKNİK ÜNİVERSİTESİ Kurumsal İletişim Koordinatörlüğü KTÜ Radyo TV

AKADEMİKA

Kuantum Bilgisayarlar



Arş. Gör. Taylan BAŞKAN
KTÜ Fen Fakültesi
Fizik Bölümü

16 Mayıs 2025
11.00

KTÜ RADYO/TV CANLI YAYIN

KTÜ Radyo 101.7 - ktu.edu.tr/radyotv - www.youtube.com/ktutv

KTÜ 1955 **KTU TV** KARADENİZ TEKNİK ÜNİVERSİTESİ Kurumsal İletişim Koordinatörlüğü KTÜ Radyo TV

AKADEMİKA

Gemi Hidromekaniğinde Dijital Teknikler ve Yapay Zeka



Dr. Öğr. Üyesi Hasan İslam ÇOPUROĞLU
KTÜ Sürmene Deniz Bilimleri Fakültesi
Gemi İnşaatı ve Gemi Makineleri Bölümü

8 Aralık 2025
14.00

KTÜ RADYO/TV CANLI YAYIN

KTÜ Radyo 101.7 - ktu.edu.tr/radyotv - www.youtube.com/ktutv

KTÜ 1955 **KTU TV** KARADENİZ TEKNİK ÜNİVERSİTESİ Kurumsal İletişim Koordinatörlüğü KTÜ Radyo TV

KTÜ BİLGİLENDİRİYOR

Mimarlıkta Dijital Tasarım ve Üretim KTÜ CODEFAB

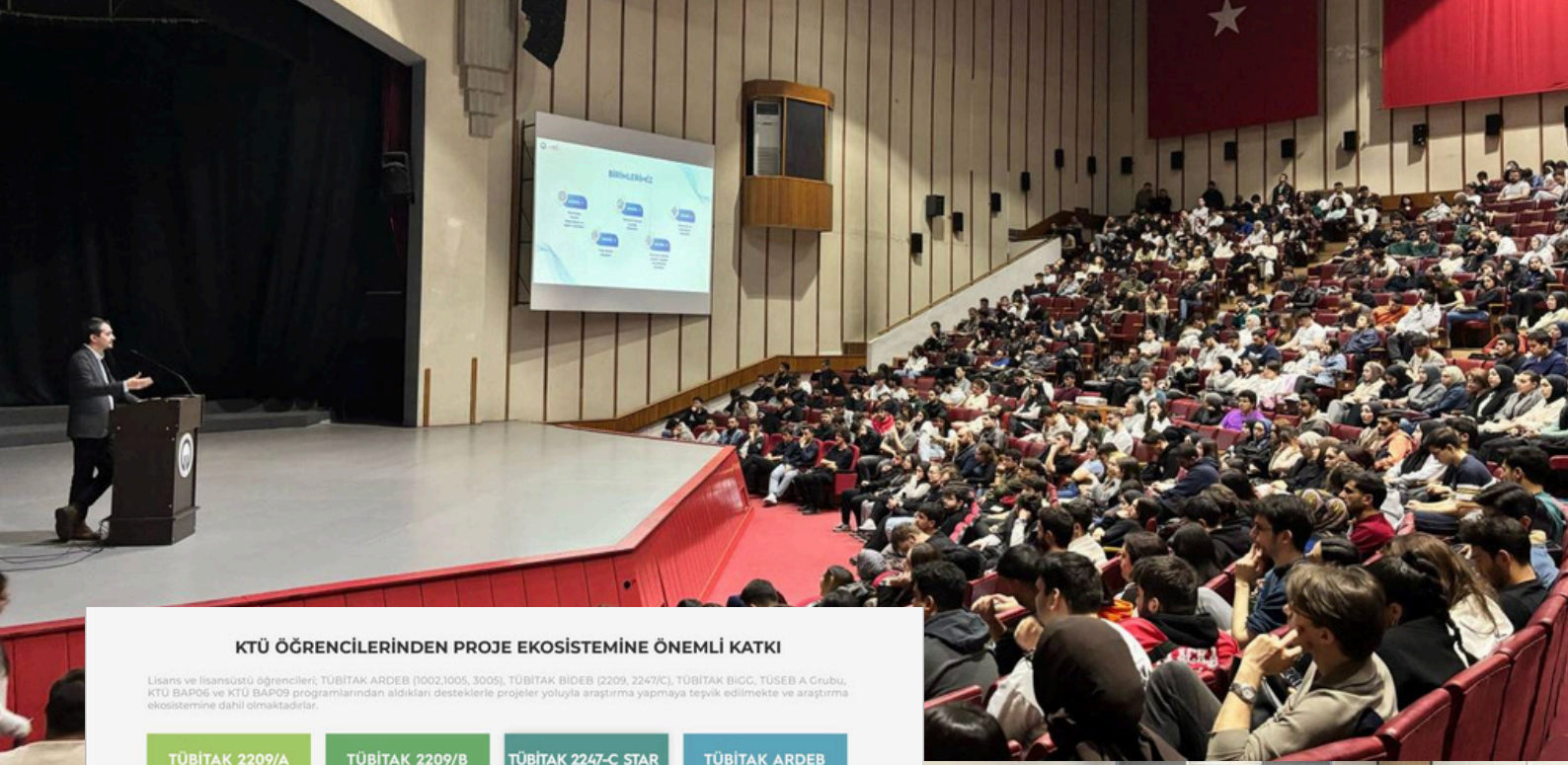


Prof. Dr. Serbülent VURAL
KTÜ Mimarlık Bölümü Bina Bilgisi Anabilim Dalı
KTÜ Rektör Danışmanı

18 Şubat | **KTÜ Radyo/TV**
11.00 | Canlı Yayın

Radyo KTÜ 101.7 • ktu.edu.tr/radyotv • www.youtube.com/ktutv





KTÜ ÖĞRENCİLERİNDEN PROJE EKOSİSTEMİNE ÖNEMLİ KATKI

Lisans ve lisansüstü öğrencileri, TÜBİTAK ARDEB (1002,1005, 3005), TÜBİTAK BİDEB (2209, 2247/C), TÜBİTAK BiGG, TÜSEB A Grubu, KTÜ BAP06 ve KTÜ BAP09 programlarından aldıkları desteklerle projeler yoluyla araştırma yapmaya teşvik edilmekte ve araştırma ekosistemine dahil olmaktadır.

TÜBİTAK 2209/A Programı 410 Başvuru 253 Destek %62 Destek Oranı	TÜBİTAK 2209/B Programı 52 Başvuru 24 Destek %52 Destek Oranı	TÜBİTAK 2247-C STAR Programı 73 Proje İle Bursiyer Talebi En çok bursiyer talebi yapan üniversite KTÜ olmuştur.	TÜBİTAK ARDEB Programları 29 Başvuru 17 Destek
TÜBİTAK BiGG Programı 4 Başvuru 1 Destek	TÜSEB-A2 Yüksek Lisans Öğrencilerine Yönelik Destek Programı 2 Başvuru 2 Destek	KTÜ BAP06 Lisansüstü Tez Projeleri Programı 70 Başvuru 42 Destek 13 projenin değerlendirme süreci devam etmektedir.	KTÜ BAP09 Lisans Öğrenci Projesi Programı 70 Başvuru 42 Destek 28 projenin değerlendirme süreci devam etmektedir.



Numerous meetings, visits, and training sessions were also conducted with various institutions and organizations in 2025 to enhance innovative and sustainable collaborations between the university and the business world.

Our university, through the KTU Technology Transfer Application and Research Center (KTU TTM), the Scientific Research Projects Coordination Unit (BAP), and other relevant R&D units, supports the active participation of our undergraduate and graduate students in the project ecosystem, both through internal resources and by directing them to external resources.

Undergraduate and graduate students are encouraged to conduct research through projects with support from TÜBİTAK ARDEB (1002, 1005, 3005), TÜBİTAK BİDEB (2209, 2247/C), TÜBİTAK BiGG, TÜSEB Group A, KTU BAP06, and KTU BAP09 programs, and thus become involved in the research ecosystem.





Academic Contributions

In 2025, Karadeniz Technical University (KTU) demonstrated strong performance in research, innovation, and entrepreneurship activities within the scope of SDG 9. Within the university, 367 new projects were launched under the BAP program, and together with 494 ongoing projects carried over from previous years, the total number of active projects reached 861. Over the year, 77 new projects were initiated under TÜBİTAK, with 52 projects completed. Additionally, in the context of European Union projects, 4 new projects were launched, 2 completed, and 15 continued. Furthermore, 4 new TÜSEB projects were put into operation.

Significant progress was made in the commercialization of the university's research outputs to generate added value. In 2025, a total of 103 national, 25 international, and 18 design applications were submitted; of these, 29 national and 7 utility model registrations, as well as 19 design registrations, were granted. These results demonstrate KTUs ability to transform its innovative potential into tangible outcomes.

In terms of contribution to the entrepreneurship ecosystem, KTU academics served as founders or partners in 45 companies established within Trabzon Teknopark, highlighting the university's active role in converting knowledge and technology into economic value.





Academic Contributions

According to the Scopus database, the number of scientific publications related to this development goal increased from 57 in 2024 to 66 in 2025. Purpose-driven scientific projects at both undergraduate and graduate levels are also actively ongoing. In the AVESİS database, 11 conference papers are among the publications contributing to this field.

In addition to these achievements, in 2025, KTU concretized its strategic vision for SDG 9 with innovative inventions showcased at the TEKNOFEST ISIF'25 International Invention Fair. Our university won a total of 8 medals - 1 gold, 3 silver, and 4 bronze - at the 10th Istanbul International Invention Fair (ISIF'25), held as part of TEKNOFEST. The greatest success for our university at the fair was achieved with the invention titled "New Types of Flexible Electrodes Based on Extended Graphite Developed by Electroless Ni-B Coating Method."



Academic Publications-2025





Sustainable KTU

Prepared by

Asst. Prof. Seda ÖZLÜ
Asst. Prof. Sinem DEDEOĞLU ÖZKAN
Res. Asst. İrem BEKAR

This publication has been prepared by KTU Office of
Research Coordination