

# IMU SDG PROGRESS REPORT

on **SDG-9 INDUSTRY, INNOVATION AND INFRASTRUCTURE**



## 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



# SDG PROGRESS REPORT

ISTANBUL MEDENIYET  
UNIVERSITY

**Istanbul Medeniyet University  
Sustainability Office**

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## **SDG Icons**

<https://www.un.org/sustainabledevelopment/news/communications-material/>

## **Sustainable Development Report Maps**

<https://dashboards.sdgindex.org/map/>

## **SDG Statics**

<https://unstats.un.org/sdgs/report/2024/>

<https://sdgs.un.org/goals>

# FOREWORD

The 17 Sustainable Development Goals adopted by the United Nations in 2015 with the mission statement “a blueprint to achieve a better and more sustainable future for all people and the world by 2030” have become guiding principles for all of us as countries, institutions, and individuals today. In this context, the new vision for universities has now shifted from the older scholastic concept of education solely oriented toward professional training to an understanding that prioritizes human and social responsibility. Therefore, universities are central to the achievement of sustainable development goals. Thus, as İstanbul Medeniyet University,

We always consider sustainable development goals in our university’s high-level strategies, organize our management and implementation processes in line with these principles, and follow up on our activities and process of sustainability through reports for continuous improvement. **(OPERATIONS)**

While we help our students gain professional and personal skills and qualifications, we are raising future leaders, decision-makers, entrepreneurs, teachers, and more importantly, individuals with the awareness of creating a better world through the sustainability trainings we include in our course contents. **(LEARNING)**

We carry out a wide range of activities and events to share our knowledge, experience, and best practices about the implementation of SDGs with our students, staff, and local community with the ultimate aim of building a more conscious society. **(EVENTS)**

In 2022, IMU Sustainability Office was established to assume the role to place “Sustainable Development Goals” in the center of our institutional practices, educational planning, and research activities and to lead toward the realization of these goals. IMU Sustainability Office plays a significant part in developing our institutional strategies for SDGs, planning and carrying out our related activities and reporting on our progress. In addition to its contribution to institutional development, the Office also organizes public training programs and workshops.

Our Sustainability Office has planned to create annual sustainability development goals progress reports that will include all the goals and all areas of activity of our university so that we can see our progress in achieving SDGs to create new and better strategies and the report you are reading has been issued for the year 2024 as a result of these efforts. I thank everyone who have contributed to the creation of the report and especially Res.Asst. Ayça ÇELİKBİLEK, Lect. Zehra SAVAN and Res.Asst. Furkan ERUÇAR, who have edited and published all the content for our SDG website and our reports. I hope that our efforts will inspire new ideas, actions, and collaborations to take action for a more sustainable and livable future.

**Prof. Dr. Yaşar BÜLBÜL**

Vice-Rector and Sustainability Office Coordinator  
İstanbul Medeniyet University

The Times Higher Education Impact Rankings, which assesses the contribution of universities around the world to sustainable development goals, has been an important source of motivation for us to see our place in the world and measure our contribution with all the activities we carry out for sustainable development as a higher education institution. As Istanbul Medeniyet University, we were included in THE Impact Ranking for the first time in 2021 by applying with only 4 SDGs, while we applied with 11 SDGs for 2024, being ranked 601-800 in the global ranking. The table below shows IMU's continued rise on this ranking.

Sustainable Development Goals	THE Impact Rankings 2025	THE Impact Rankings 2024	THE Impact Rankings 2023	THE Impact Rankings 2022	THE Impact Ranking 2021
<b>General Ranking</b>	<b>401-600</b>	<b>601-800</b>	801-1000	1001+	1001+
<b>SDG 1</b> <b>No Poverty</b>	<b>801-1000</b>	<b>601-800</b>	601-800	-	-
<b>SDG 2</b> <b>Zero Hunger</b>	<b>301-400</b>	<b>301-400</b>	401-600	401+	301-400
<b>SDG 3</b> <b>Good Health and Well-being</b>	<b>401-600</b>	<b>301-400</b>	301-400	401-600	401-600
<b>SDG 4</b> <b>Quality Education</b>	<b>801-1000</b>	<b>1001-1500</b>	801-1000	801-1000	601-800
<b>SDG 5</b> <b>Gender Equality</b>	<b>1001-1500</b>	<b>801-1000</b>	801-1000	-	-
<b>SDG 8</b> <b>Decent Work and Economic Growth</b>	<b>601-800</b>	<b>401-600</b>	401-600	401-600	-
<b>SDG 9</b> <b>Industry, Innovation and Infrastructure</b>	<b>601-800</b>	<b>801-1000</b>	601-800	601+	-
<b>SDG 10</b> <b>Reduce Inequalities</b>	<b>401-600</b>	<b>401-600</b>	401-600	401-600	-
<b>SDG 11</b> <b>Sustainable Cities and Communities</b>	<b>401-600</b>	<b>601-800</b>	401-600	601+	-
<b>SDG 12</b> <b>Responsible Consumption and Production</b>	<b>101-200</b>	<b>201-300</b>	201-300	-	-
<b>SDG 15</b> <b>Life on Land</b>	<b>101-200</b>	-	-	-	-
<b>SDG 17</b> <b>Partnerships for the Goals</b>	<b>301-400</b>	<b>401-600</b>	601-800	1001+	601-800

9

# INDUSTRY, INNOVATION AND INFRASTRUCTURE



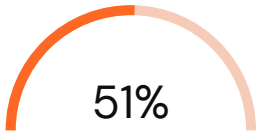


Investment in infrastructure and innovation are crucial drivers of economic growth and development. With over half the world population now living in cities, mass transport and renewable energy are becoming ever more important, as are the growth of new industries and information and communication technologies.

Technological progress is also key to finding lasting solutions to both economic and environmental challenges, such as providing new jobs and promoting energy efficiency.

Promoting sustainable industries, and investing in scientific research and innovation, are all important ways to facilitate sustainable development.

More than 4 billion people still do not have access to the Internet, and 90 percent are from the developing world. Bridging this digital divide is crucial to ensure equal access to information and knowledge, as well as foster innovation and entrepreneurship.



global population  
rate with access to  
5G connectivity

**37.6**  
BILLION

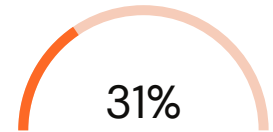
tons of Co are  
released from  
energy combustion  
and industrial  
processes

**16%**

global  
manufacturing value  
added per capita  
rose by 16% from  
2015 to 202

**1,352**  
PEOPLE

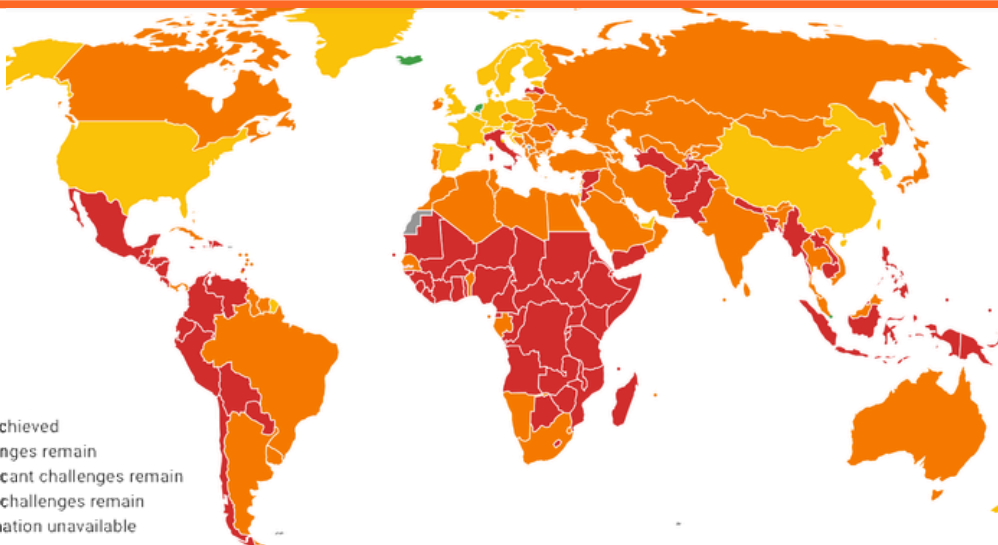
number of  
researchers per  
million people in  
2021



of small manufacturing  
businesses worldwide  
using loans or lines of  
credit

Legend

- SDG achieved
- Challenges remain
- Significant challenges remain
- Major challenges remain
- Information unavailable



601-800

"Industry, Innovation and Infrastructure" category  
2025 ranking



3

number of patent applications  
filed in 2024



16

number of university spin-offs  
in 2024



“

**100%**  
CAPACITY

occupancy in IMU Technopark's  
operations

”

**6,611,803**

TURKISH LIRAS

research income from  
STEM and Medicine

”



“

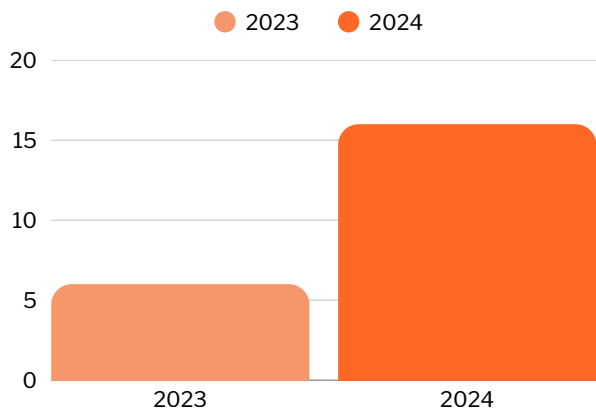
**125**  
PEOPLE

number of the academic staff in  
the STEM field

”



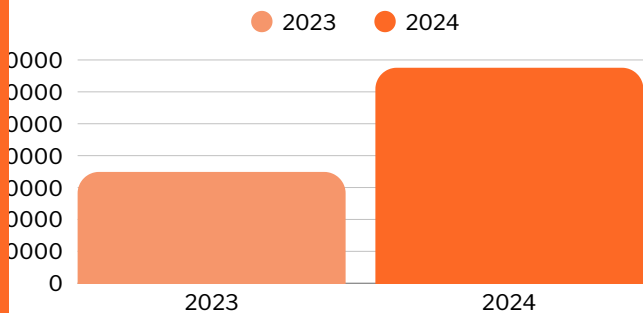
### Number of University Spin-offs



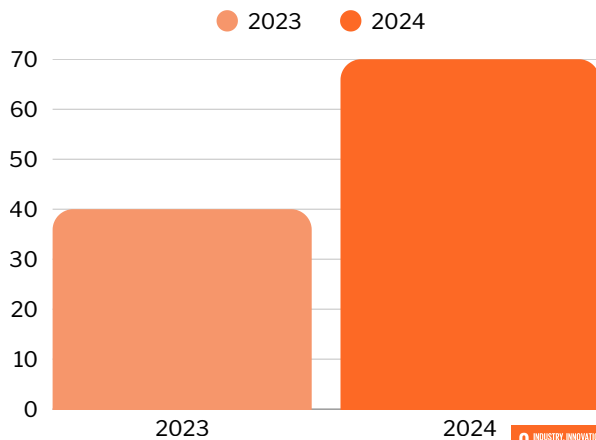
The number of spin-offs has shown remarkable growth in 2024, from 6 to 16. This increase represents an impressive **167%** growth, underscoring the university's accelerating innovation capacity and its strengthening ecosystem for transforming research into high-impact entrepreneurial ventures.

The research income IMU earned from industry and commerce in 2024 amounted to TRY 6,755,557. There was a big increase from TRY 3,489,483. Thus, there was a **93,6% increase in the amount of research income.**

### Research Income from Industry and Commerce (TRY)



### Number of Firms in IMU Technopark



The number of firms in IMU Technopark has grown from 40 to 70, reflecting a remarkable **75%** progress in its innovation capacity. This strong upward trend highlights the technopark's expanding ecosystem and its increasing role in supporting technology-driven development.



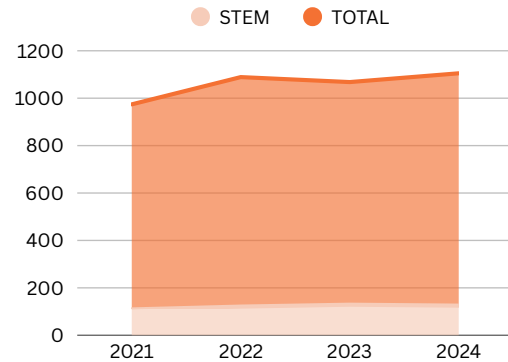
# OPERATIONS

Istanbul Medeniyet University is committed to the mission of being an innovative and entrepreneurial world university that adds universal values to science, technology, and art. Founded on the five pillars of 'Innovative,' 'Entrepreneurial,' 'Society- and Civilization-Oriented', 'International', and 'Research-Oriented', our University has a Technopark to carry out its innovation activities; a Technology Transfer Office; an Incubation Center; 18 application and research centers; 2 research laboratories, 7 service laboratories and 30 R&D laboratories within the Science and Advanced Technologies Research Center; and 5 department laboratories operated by our departments.

IMU Scientific Research Projects Coordination Unit (BAP) is in charge of selecting the scientific research projects, dissertation projects, and other projects conducted by our faculty members, to carry out the secretarial work for and finalizing the procedures for these projects, and to provide funds for scientific research projects. In this context, a total of 16 scientific research projects were started to be supported in 2024 with total funding of 1,127,159 TRY. Our BAP unit also informs our researchers about the projects supported by different institutions such as TUBITAK and ISTKA projects, EU Grant Projects, the projects supported by the Ministries of Youth, Culture, and Development, and SANTEZ projects and coordinates all the projects receiving support from other institutions.

Istanbul Medeniyet University has a Technology Transfer Office (TTO) which is in charge of licensing the technologies developed and produced within the institution and securing industrial collaboration. TTO carries out activities to protect and coordinate the intellectual properties developed by our faculty members, students or researchers and promotes the intellectual properties and technological products owned by the institution so that they can reach more users for further improvement.

While our total number of academic staff increased by 4.37% in 2024, the number of academic staff working in STEM fields decreased by 3.10%.



Number of Academic Staff between 2021-2024

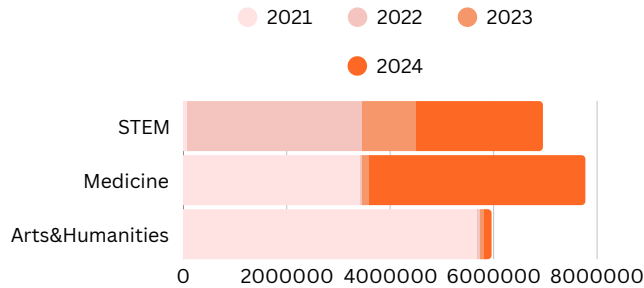
As a result of the academic studies conducted by our academic staff members, **3 patent applications were made in 2024.**

**1,127,159 ₺**  
**FUND**  
 given to our academic staff  
 for their research projects

# OPERATIONS

In 2024, 26 technology were produced via our Technopark.

The **research income** IMU earned from **industry and commerce** in 2024 amounted to TRY 6,755,557. While 2% of this income came from Humanities/Social Sciences, this rate was followed by STEM with 36% and Medicine with 62%. Compared to 2023, the highest increase in research income was achieved in the Medicine field with 2770%.



## Research Income from Industry and Commerce between 2021- 2024

Istanbul Medeniyet University has a technopark that serves firms using or working on advanced technologies. In **IMU Technopark** located both in Tuzla/ Akfırat and Göztepe North Campus areas, companies develop technologies or software; transform their technological inventions into commercial products, methods or services and thereby contribute to regional development. With a capacity occupancy of 100%, IMU Technopark houses 70 firms.



IMU Technopark

Istanbul Medeniyet University has an **incubation center** that supports all entrepreneurs and chiefly our students and academic staff members who would like to start their own business. IMU incubation center helps people gain the practical knowledge and skills required for this process and provides entrepreneurs with business ideas with entrepreneurship training programs, consulting support, office space, infrastructure services, and meeting halls.

Istanbul Medeniyet University **Laboratory Animal Facility (DEHAL)** was established within the body of our university's Science and Advanced Technologies Research Center (BİLTAM) in order to provide the husbandry and breeding services of laboratory animals needed in the fields of scientific research, testing and training in accordance with national and international standards. DEHAL, as a unit licensed by the Ministry of Agriculture and Forestry in the fields of research, breeding, use and procurement, provides high quality in vivo research infrastructure to academia and R&D institutions within the framework of legislation and ethical principles. All studies to be carried out within DEHAL are subject to the approval of IMU Animal Experiments Local Ethics Committee (HADYEK).



Experimental Animals Application and Research Laboratory

# OPERATIONS

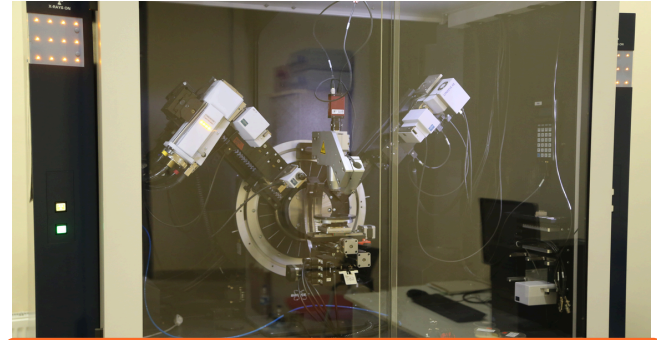
IMU

İMÜ Tobacco and Tobacco Products Analysis, Research and Development Laboratory was established according to the collaboration protocol between the Tobacco and Alcohol Department of the Ministry of Agriculture and Forestry and Istanbul Medeniyet University. In the world and in our country, the usage of tobacco and tobacco products is widespread and it has also become one of the most important public health problems due to the negative effects of the substances in its smoke on human health. In this laboratory, analyses are carried out during the production, export, import, and marketing of tobacco products. Our laboratory aims to contribute to the country's economy by ensuring that the analyses previously made abroad are carried out in the country. The internationally accredited laboratory also has the capacity to meet the analysis demands from abroad. The fact that the laboratory has been established within the university allows it to contribute to the research and development of existing tobacco and tobacco products analysis techniques.



IMU Science and  
Advanced Technologies Research Center

IMU BILTAM houses **7 service laboratories** that offer analysis, measurement, imaging, and equipment services for our academic staff members and students as well as for all researchers. Institutions or researchers can fill in a request form to have their analyses made; to perform their own analyses using the devices and 41 pieces of equipment provided or to attend the analyses performed as observers.



XRD (BRUKER D8 DISCOVER) Analysis Device

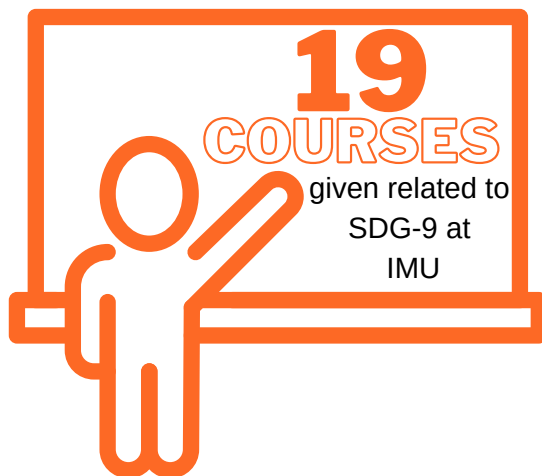
Istanbul Medeniyet University collaborates with numerous public institutions, research institutions, universities, local schools, and NGOs toward numerous goals that would help us achieve the objective of building resilient infrastructure, promoting inclusive and sustainable industrialization and fostering innovation.

Another collaboration protocol was signed between **Özen Group** and Istanbul Medeniyet University. This collaboration provides co-operation within the framework of Project Development, Execution and Training on the subjects determined within the scope of natural R&D needs of the university and company.

# LEARNING

Learning processes are key in achieving SDGs. Thus, universities play a critical role both by training professionals who will prioritize SDGs in their future practices and by increasing local, national, and global capacity to successfully achieve SDGs. As Istanbul Medeniyet University, we are aware of our critical role and therefore, we primarily inform our students, the leaders and decision-makers of the future, about the Sustainable Development Goals through course contents, co-curricular activities and student club activities and strengthen their awareness. For this purpose, each of our faculties and departments prepares SDG-related course contents, including courses that address the Sustainable Development Goals holistically, as well as specific contributions that can be made by the expertise of the relevant professional field in which they provide training. In 2024, 19 bachelor degree courses related to SDG-9 were given at IMU. Some of these are listed below.

Faculty	Course
Education Sciences	GNK062 - Innovation and Entrepreneurship
Engineering and Natural Sciences	END407 - Production Information Systems
	BYM416 - Micropollutants, Treatment and Effects on Human Health
Health Sciences	HEM113 - Health and Technology
Political Sciences	İŞL323 - Entrepreneurship and Small Business Management
	İŞL434 - Enterprise Resource Planning
Tourism	TİŞ407 - Entrepreneurship and Innovation
All- Elective	IMU053 - Innovation and Entrepreneurship IMU071- Introduction to Sustainability



The Team IMU Hawk, one of the teams under the Istanbul Medeniyet University IMU Robotics Club and Field Robotics Laboratory, achieved a major success at the Teknofest International Unmanned Aerial Vehicles (UAV) Competition. The team, which has been active since 2017, won third place in the competition and received a prize of 100,000 TL.

In the competition, Team IMU Hawk's task was to detect and track a multi-rotor UAV flying illegally and neutralize it using their own developed physical net spray. In accomplishing this task, the team detected the illegally flying UAV using artificial intelligence analyzed from a single camera. The tracking process is actively carried out through various motion applications without the use of any additional sensors. The detected UAV is neutralized with a systematic net gun.

Team IMU Hawk, which attracted attention with these development solutions, was highly acclaimed for its success at Teknofest.



Team IMU Hawk

Hosted by Istanbul Medeniyet University in collaboration with Medeniyet Technopark and Aveon Global, the "Insurtech Ideathon Idea Marathon" took place at the IMU central library. The event welcomed the university's Vice Rector Prof.Dr. Nuriye Akbay, Medeniyet Technopark General Manager Ali Ramazan Tak, Aveon Global Insurance IT & Digital Process Management Deputy General Manager Melek Yılmaz, along with numerous academics, students, and industry representatives.

The program began with opening remarks. Speeches emphasized the Istanbul's strong performance in sectors such as gaming, fintech, artificial intelligence, big data, and analytics, as well as Türkiye's growing investment landscape. Keynote speakers also underlined the significant digital transformation occurring within the insurance sector through technologies such as AI, blockchain, IoT, and data analytics.

Following the speeches, teams competed throughout the day to develop the most innovative ideas in insurance technologies. At the end of the marathon, young entrepreneurs presented their solutions.

In the competition focused on the technological transformation of the insurance industry, the Bordo Team won first place with their "Insurance 360" concept. The Bordo Mavi Team placed second with "Secure Future," while the Green Team took third place with their "Personalized Travel Insurance" idea.