

# SDG PROGRESS REPORT

on **SDG-12 RESPONSIBLE CONSUMPTION**  
and **PRODUCTION**



# 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/profiles/turkey>

## **SDG Statics**

<https://unstats.un.org/sdgs/report/2023/progress-midpoint/>

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



Achieving economic growth and sustainable development requires that we urgently reduce our ecological footprint by changing the way we produce and consume goods and resources. Agriculture is the biggest user of water worldwide, and irrigation now claims close to 70 percent of all freshwater for human use.

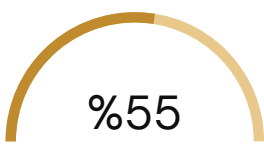
The efficient management of our shared natural resources, and the way we dispose of toxic waste and pollutants, are important targets to achieve this goal. Encouraging

industries, businesses and consumers to recycle and reduce waste is equally important, as is supporting developing countries to move towards more sustainable patterns of consumption by 2030.

A large share of the world population is still consuming far too little to meet even their basic needs. Halving the per capita of global food waste at the retailer and consumer levels is also important for creating more efficient production and supply chains. This can help with food security, and shift us towards a more resource efficient economy.

**67**  
STATES

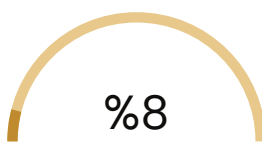
Submitted a report to the UN Environment Program for sustainable public procurement policy in 2022



%55 of total greenhouse gas emissions are generated by the food industry

**X10**

The material footprint of high-income countries is 10 times that of low-income countries

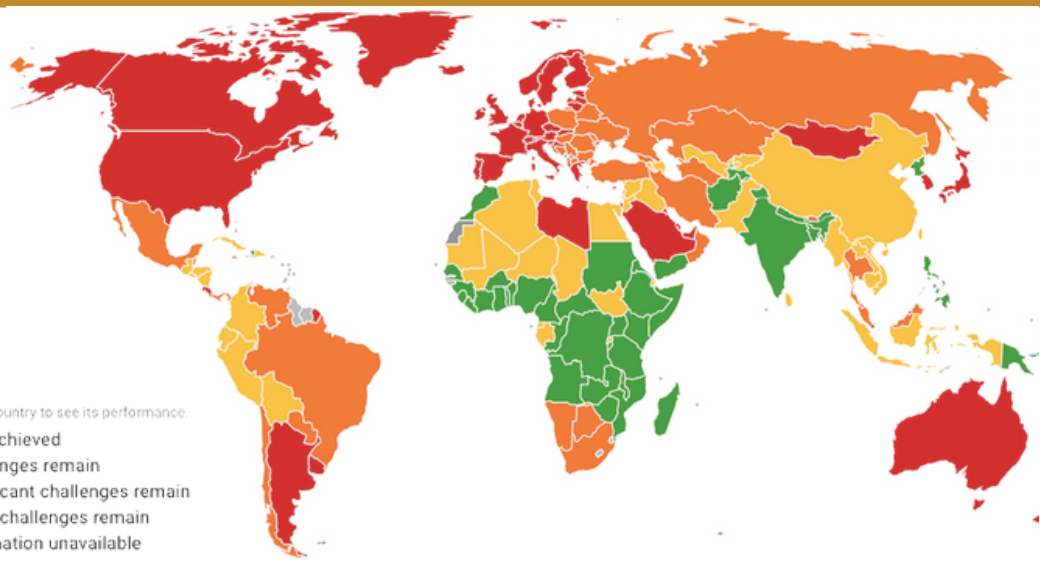


%8 Share of food waste in global greenhouse gas emissions

**74**  
KG

Food waste produced by one person worldwide

- Legend**  
Click on a country to see its performance.
- SDG achieved
  - Challenges remain
  - Significant challenges remain
  - Major challenges remain
  - Information unavailable



**9.930**  
KG

waste sorted to recycle



filtering systems for wastewater



[website](#) for the achievement of SDGs to inform the campus community and the general public



zero waste program



Reports shared each year presenting progress on all SDGs



## Ethical Sourcing Policies

Istanbul Medeniyet University is committed to sourcing all the food and supplies for its campus community in an ethical manner and has policies to ensure that all the workers involved in providing the services being sourced are safe and treated fairly in accordance with the relevant legislation in our country, and environmental and social impacts are taken into consideration during the sourcing process.

In all our outsourcing activities, all the measures are diligently taken to avoid any harm to people and the environment by adhering to the relevant legislation. To provide an example, our **contract with our catering service providers** includes specific clauses imposing certain obligations on the service provider to use locally grown, healthy ingredients for the meals that conform to the national standards for food production as set forth by the Turkish Standards Institute; to produce healthy menus including vegetarian meals that meet the daily calorie and protein needs of the users to protect their health; to maintain cleanliness and hygiene in the campus kitchen and to perform regular health inspections both for the food and the production environment as well as regular disinfection applications for pest control in order to protect the health of the users and the production staff employed by the service provider; to perform routine health checks on the production and service staff for infectious diseases; to present all the inspection reports regularly to the university administration; to treat the staff employed by the provider fairly as per the national legislation on workers such as the Labor Act, including payment of at least the minimum wage, insurance premiums, and additional payment for overtime work and assigning duties that are appropriate for each worker's work title; to ensure the health and safety of the production and service staff as per provisions of the Occupational Health and Safety Law; and adhering to all the laws and regulations pertaining to the minimization, collection, sorting out, and disposal of waste.

## Policy on Waste Disposal and Waste Tracking

Istanbul Medeniyet University adheres to the provisions of the **Zero Waste Regulation** for waste disposal. In 2019, the university joined the Zero Waste Program carried out under the auspices of the Presidency of the Republic of Turkey as part of the Zero Waste Regulation to contain waste in line with the sustainable development goals and to leave a clean Turkey for future generations.

In order to implement the Zero Waste program in all our campus areas with maximum efficiency, meetings were held with all our academic and administrative staff for the purposes of informing them and raising awareness. In these training sessions, trainers assigned from Istanbul Provincial Directorate for Environment and Urbanization by the Governorship of Istanbul delivered informative presentations to our staff members about the implementation of the Zero Waste program and underlined what to do for correct applications.

In this context, we implement the **Zero Waste Program** which involves preventing wastage, using the resources more efficiently, reviewing the reasons for waste formation, preventing or minimizing waste formation, and collecting and recovering waste at source separately. In this context, we removed the waste bins from the university's indoor areas and started to collect and sort recyclable waste in six categories. The waste sorted out at identified points in our campus areas are regularly delivered to the relevant municipal authorities for disposal, who also measure and report the amount of waste we collected.

In 2022, we generated a total amount of 9.930 kilograms of sorted waste in all our campus areas and delivered them to the municipal authorities to be sent to landfill or recycled.

“ **9.930**  
KILOGRAMS  
of waste sorted for recycling ”



## Policy on Waste Disposal for Hazardous Materials

Istanbul Medeniyet University has a license for medical waste production received on behalf of both IMU Science and Advanced Technologies Research Center and Dentistry Application and Research Hospital approved annually by the Istanbul Metropolitan Municipality Directorate of Waste Management. All the medical waste including hazardous materials generated in the laboratories of our university are collected, sorted out, contained, and delivered to the authorities of the Directorate for disposal in accordance with the [Regulation on the Control of Medical Waste](#). The medical waste delivered to Istanbul Metropolitan Municipality Directorate of Waste Management are transported in licensed vehicles to Istanbul Metropolitan Municipality's Sterilization Facility for Medical Waste and Medical Waste Incineration Facility and are disposed of in sterile conditions without causing any damage to human health and the environment.

Possibly toxic wastes and medical wastes generated as a result of work in laboratories of our university are disposed of by laboratory users who have knowledge of the materials, not by general cleaning personnel. The conditions regarding the disposal of these wastes are clearly stated in the "Medical Waste Instruction" published by BILTAM Directorate and the relevant instructions are posted in all areas of use. In line with these instructions, laboratory waste is separated on the basis of various classifications; possible spills are prevented by placing medical waste in a bag after using double bags or plastic bottles, especially when removing contaminated liquids. In addition, the substance information and the laboratory information where it is used are written on the packages of all medical and hazardous wastes. Safely packaged medical wastes are placed in containers in the medical waste storage area by the relevant laboratory users; disposal of urgent medical wastes that cannot be stored for long is resolved by the directorate.

“ **50 KG**  
**HAZARDOUS**  
waste generated  
monthly in 2022 ”

Waste batteries (including zinc batteries, alkaline batteries and lithium-ion batteries), which pose a risk of toxic substances passing into the soil and water due to the heavy metals they contain, are collected in a separate box in our university areas and delivered to authorized municipalities for special disposal.



IMU Waste Battery Collection Boxes

ISTANBUL MEDENİYET ÜNİVERSİTESİ  
SUSTAINABILITY REPORT 2022

T.C.  
İSTANBUL BÜYÜKŞEHİR BELEDİYE BAŞKANI  
Çevre Koruma ve Kontrol Daire Başkanlığı  
Atık Yönetimi Müdürlüğü

**TIBBİ ATIK KABUL BELGESİ**

Başvuru No : 46695  
Geçerlilik Tarihi : 01.01.2022 - 31.12.2022

TIBBİ ATIK ÜRETİCİSİ  
SAĞLIK KURULUŞUNUN / İŞYERİNİN

Adı : BİLİM VE İLERİ TEKNOLOJİ UYGULAMA VE ARAŞTIRMA MERKEZİ  
Ticari Ünvanı : İSTANBUL MEDENİYET ÜNİVERSİTESİ REKTÖRLÜĞÜ  
Vergi Dairesi/ Numarası : GÖZTEPE / 4810561314  
Telefonu : 0 (216) 280-21-60  
Adresi : ÜNALAN MAH. İSTANBUL MEDENİYET ÜNİV. GÖZTEPE  
KÜZYE YERLEŞKESİ BİLTAM BİNASI 34700 ÜSKÜDAR/İSTANBUL

SAĞLIK KURULUŞU / İŞYERİ TARAFINDAN BEYAN EDİLEN

Ünite Cinsi	ÜNİVERSİTE LABORATUARLARI		
Brüt Toplam Alan (m <sup>2</sup> )	:	İşyeri Hekim Sayısı	:
Personel Sayısı	:	Hasta Yatak Sayısı	:
Diyaliz Cihazı Sayısı	:	Gezici Sağlık Aracı Sayısı	:

İşbu "Tıbbi Atık Kabul Belgesi" 25.01.2017/29959 sayılı "Tıbbi Atıkların Kontrolü Yönetmeliği" ve 23.12.2021/217 sayılı İl Mahalli Çevre Kurulu (İMCK) Kararı doğrultusunda hazırlanmıştır. İMCK Kararına göre tıbbi atık bertaraf ücretlerinin yıllık ödemesini esaslar. Sağlık kuruluş/şirketinin herhangi bir sebeple faaliyetine son vermesi durumunda Bakanlığımıza tarafından ücret tahsil yapılmayacaktır. Başlayıcı yönetimle aynı hükümlerine ve Belediye Başkanlığımızın tıbbi atık toplama sistemi ile ilgili yapmış olduğu düzenlemelere uyulmaması halinde düzenlenen işbu belge iptal edilecektir. Sağlık kuruluş/şirketi, sunmuş olduğu her türlü bilgi, belge ve beyan tam ve doğru olarak sunmakla ve beyan bilgileri ile ticari ünvan, adres, vergi numarasının değişmesi durumunda online tıbbi atık sistemimizden <https://tibbikatik.bilgi.gov.tr/generel/guvenlemler> yapımına yükümlüdür. İkink veya yarıllı bildiren her türlü bilgi, belge ve beyandan kaynaklanacak durumlardan sağlık kuruluşları/şirketleri sorumludur.

Saffet ALTINDAĞ  
Atık Yönetimi Müdürü

5070 sayılı kanun gereğince E-İMZA ile imzalanmıştır.  
Doğrulama Adresi : <http://application2.tbilgi.gov.tr/iletisim/tegrulama.aspx?pin=vergi%207%20E%20HWTF%20H%20A%207%203d>

IMU Annet Mah. Mühür Yolu Cad. No:1 Kavayipsi - Beyoğlu / İstanbul Tel: 0 212 312 84 41 <https://www.imu.edu.tr>

Licence for Medical Waste for the Year 2022



## Policy for Minimisation of Plastic Use and Disposable Items

As an institution, we adhere to the provisions of the Zero Waste Regulation for minimization of plastic use and disposable items and reduction of waste in general in line with the sustainable development goals. Thus, issues such as reducing the generation of waste and chiefly of plastic, which greatly damages aquatic, terrestrial, and aerial ecosystems, and recycling plastic waste form an integral part of our university's vision. In this context, we removed the waste bins from the university's indoor areas and started to collect and sort recyclable waste and chiefly plastic waste in six categories. Plastics that are thus saved from becoming garbage are delivered to the relevant municipal authorities for recycling.



Recyclable Waste Boxes

Istanbul Medeniyet University primarily follows a policy of reducing consumption to reduce waste. Therefore, certain strategies have been implemented to gradually reduce single-use plastics in the campus areas. For instance, our contract with the catering service provider for our lunch services contains a clause on serving meals in chinaware and using metal cutlery. Thanks to such practices, we prevent the use of single-use plastics in eating utensils and thereby reduce plastic waste generation in all our campus areas.



Lunch-related Waste Minimisation Policies

Istanbul Medeniyet University carries out practices that will contribute to the plastic reduction targets throughout Turkey. For example, in order to contribute to the goal of the **Packaging Waste Control Regulation** of 2017, which aims to reduce the annual use of plastic bags per capita to no more than 40, cloth bags are distributed to our staff members every year to be used as an alternative to plastic bags.



IMU Cloth Bags that are Distributed to Staff

“  
**1342**  
**CLOTH BAGS**  
distributed to staff members to  
reduce the use of plastic bags  
”

## Waste Collection, Disposal and Minimization Policies Extended to Service Providers and Suppliers

Food waste can emerge at any stage of the process whereby food is delivered from the producer to the consumer; i.e., production, handling and storage, processing, distribution, and consumption. As Istanbul Medeniyet University, we seek to develop diverse operations for these different stages in order to reduce the food waste generated by our campus community. For instance, to minimize the food waste generated during transport, we have our catering service provider produce our lunches in our own campus kitchen. Thereby, we prevent the food waste that would be otherwise generated from production to consumption stages. In order to minimize the consumption-stage food waste, our salads and other side dishes are served in a way that our students and staff can get the sufficient amount they can consume, instead of portioning them ourselves in our dining halls. Thereby, we prevent a great deal of food waste.

Also, as for extending our policy for minimizing the amount of waste generated in our university, our contract with the catering service provider contains a clause on serving meals in chinaware and using metal cutlery to prevent the use of single-use plastics in eating utensils and thereby reduce plastic waste generation in all campuses.



Lunch-related Waste Minimisation Policies

Istanbul Medeniyet University expressly specified in its contract with the catering service provider that all the meals to be served to the university's students and staff shall be cooked and prepared in the campus kitchen on the premises and the service provider is fully responsible for collecting and containing the waste vegetable oils generated during cooking, distribution and consumption of the food as per the **"Regulation on the Control of Waste Vegetable Oils"** issued by the T.R. Ministry of Environment and Urbanization on the legal technical principles and standards for the collection and disposal of waste vegetable oils without causing any harm to the environment. Our contractors are obligated to have contracts with the licensed waste oil recovery facilities and collectors with temporary storage permits and are to deliver all the waste vegetable oils they collect to these licensed facilities and firms. They are also obligated to dispose of non-recoverable waste oils in accordance with the provisions of the Regulation on the Control of Waste Vegetable Oils.

In our university, we have oil filters installed in the dishwashing sites in our campus kitchen and other facilities to prevent the oily wastewater from polluting the discharged water and the service provider is also responsible for regularly cleaning these filters and delivering the oil waste collected to ISTAC Inc., an affiliation of Istanbul Metropolitan Municipality that is in charge of waste management. ISTAC Inc. then converts the

collected waste oil into renewable energy sources such as biodiesel and biogas in its recovery facilities.

Our catering service provider is also legally obligated to sort out all the waste and garbage generated during food production and service, to transport them to the waste collection sites assigned by the municipality, and to take all the required measures to adhere to the legislation on waste disposal and the Zero Waste Regulation. The same obligations also apply to all other service providers and suppliers of the university, including our contractors for our cafeterias, the stationery store, and all the construction work inside the campus areas.

According to the monitoring activities carried out by IMU, after all minimization policies applied, the amount of organic waste collected from all campus dining halls, canteens and organic waste collection boxes within campus buildings in 2022 was 25kg per day.



“ **25 KG**  
FOOD WASTE  
generated  
daily in 2022 ”

IMU aims to reuse the food waste generated in campus areas primarily within campus areas. In this context, food waste is treated in 2 different ways at Istanbul Medeniyet University:

- Some of the food waste generated in our dining halls and canteens is given as food to the pets we care for on our campus. Approximately 10kg of the food waste generated in 2022 was given as food to our campus animals daily.
- Food waste remaining from all these processes and organic waste collected from organic waste collection bins, are collected separately and delivered to İSTAÇ company, which is responsible for the waste management of Istanbul Metropolitan Municipality, with which we have an agreement for waste recycling, and to the relevant municipalities and sent to recycling facilities. These organic wastes are composted in these facilities and converted into electrical energy.



## Publication of Sustainability Reports

IMU published its first [sustainable development goals annual report](#) for 5 different goals for 2020 thanks to the efforts of the International Performance Development Coordination Office.

With the establishment of the IMU Sustainability Office in 2021, annual sustainability development goals progress reports, which include all goals, have started to be prepared every year. Thanks to these reports, the monitoring provided in achieving the targets has become measurable and enabled the creation of new performance improvement measures. IMU shares the sustainability progress reports it prepares publicly on its websites.



IMU SDG Progress Reports for the year 2021 and 2022

Sustainability Office also opened up a separate [website for the achievement of SDGs](#) and a [social media account](#) to inform the campus community and the general public about the institution's activities toward sustainable development goals. Thanks to the SDG IMU website and social media account, the activities carried out in our university which contribute to achieving the SDGs can be shared with other researchers, our stakeholders, and the public along with their results following the activity and before the end-of-year reporting period and also, the training programs and events pertaining to SDGs can be announced to all those concerned.



As Istanbul Medeniyet University, we not only lead the society by carrying out activities to achieve Sustainable Development Goals (SDGs) at the institutional level and but also guide how the SDGs are applied at local, national, and international levels as a community through our collaboration efforts and support solving of problems through our research projects.

IMU Sustainability Office organized the second of the [Sustainability Week Events](#) on 19-23 December 2022 in our campus areas for our students, staff members and general public. Various events organized during Sustainability Week led to a waste-free life.

During the Sustainability Week Events, **“Biodiesel Fuel Production Workshop from Waste Oils”** was held with Prof.Dr. Turgay ÇAKMAK from the Department of Molecular Biology and Genetics. During the workshop, the participants were informed about the history of biodiesel fuels, noting that the use of biodiesel fuel is as old as the first engines. The chemical properties of oils and biodiesel fuels were pointed out and the process of producing clean fuel from waste oil explained in detail by showing the oils passed through various stages in the laboratory environment. In the seminar, green production, especially from algae, was recommended as an alternative to waste oils, a project being carried out within IMU was introduced at the end of the seminar.

IMU raised awareness about food waste with the dinner event titled **“Zero-Waste Turkish Cuisine”** organized by the Department of Gastronomy and Culinary Arts in our Orhanlı Campus. In this event, our students presented a special menu prepared with a zero waste approach to the guests. Our students tried to become an inspiration to solve today's widespread food waste problem with a solution from our tradition by adapting the understanding of “not wasting anything”, which has been practiced in traditional Turkish cuisine for centuries. They shared information about the main approaches they used while preparing the dishes and the recycling processes of the materials used, and personally served the menu to the guests, where no material was thrown away and recycled and cooked only with seasonal vegetables and fruits.



Istanbul Medeniyet University Sustainability Office organized a social responsibility project that lasted throughout July to lead people to reduce the amount of plastic waste they produce and live a plastic-free life. Various events organized throughout the month aimed to help people gain habits that will reduce the amount of plastic waste in their daily lives.

Within the scope of these events, IMU Sustainability Office invited people to a month-long **Plastic Free July Challenge** to eliminate single-use plastic products from their lives by making them aware of the amount of plastic waste they produce. In the challenge, information was given every day about the recycling status of a single-use plastic product in our daily lives, and the amount of waste it creates globally. Following each post sharing on the office's social media account, people were offered alternatives that they could use instead of that particular product, with natural ingredients and packaging that do not produce plastic waste. On certain days of the challenge, the Office encouraged people to take the first step towards a plastic-free life by various events such as offering people who brought their own reusable cups free coffee and tea and handing out waxed fabrics by collaborating with Mumowrap. With this project, the Sustainability Office challenged our campus community to remove single-use plastics from their lives and challenged the entire public through social media by saying "Are you up for a plastic-free life?" and invited everyone to a plastic-free life starting from this month. Thus, via the events organized, both awareness was raised on waste management and a social change was initiated through changes in consumer habits.

In addition to posts shared on social media, the Sustainability Office hosted Prof.Dr. Murat KAZANCI, who is a faculty member of IMU Biomedical Engineering Department and working on producing different alternatives to plastic, as the speaker in the online seminar **"Manufacturing and Development of Ecofriendly Bioplastics as an Alternative to Petrochemical Products"**, which was open to public participation.

In the seminar participants were informed about various bioplastic materials manufactured from organic substances which can prevent plastic waste generation to reduce ecological footprint and be used as alternatives to plastics. The potential contribution of bioplastic use to waste management process and ecological cycle by reducing pollution was also discussed.

Also, the current situation in global plastic pollution was pointed out by giving statistics such as an average of one trillion plastic bags are manufactured around the world each year and 79% of the plastics are non-recyclable. The consequences of unrecycled plastics were also underlined by mentioning that they find their way to the seas and oceans, creating gigantic waste islands. The projects conducted in IMU in bioplastic manufacturing were introduced at the last part of the seminar.

The "Plastic-Free July" events organized by the Sustainability Office was ended by sharing informative content that evaluated the effects of habit changes for a plastic-free life for a month on global warming, oceans and seas and landfill and invited people to maintain these habits throughout their lives.



July 2022

31 July 2022



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 2022, 19 bachelor degree courses related to SDG-12 were given at IMU.

Some of these are listed below.



Faculty	Course
Education Sciences	ECE007 - Environmental Education and Sustainability in Early Childhood
Engineering and Natural Sciences	BYM313 - Industrial Ecology and Recycling
	END406 - Supply Chain and Logistics
	BYM416 - Micropollutants, Treatment and Effects on Human Health
Law	HUK342 - Environmental Law
Political Science	ULI462 - Environmental Problems and the World
	IKT418 - Environmental Economy
Tourism	TİŞ224 - Sustainable Tourism

The Constitutional Law Summit, organized by Gelişim Law Student Club of our university, was held on Monday, November 28, 2022 between 12.30-16.00 at IMU Ziraat Bank Central Library in our North Campus. Climate Change and Human Rights were among the topics discussed in the summit. A member of IMU Constitutional Law Department Asst.Prof.Dr. Feyzan OLGUNSOY discussed the protection of fundamental rights and freedoms in terms of the consequences of climate change in her speech titled **“Climate Change and Human Rights”**. She explained that climate change has consequences in the context of the right to health as well as environmental rights. Therefore, second generation rights violations occurring due to climate change can only be remedied within the scope of fundamental rights and freedoms that are jointly protected in the Constitution and the ECHR. In this context, she stated that states have positive obligations to prevent environmental pollution, protect the environment, and ensure access to legal remedies in ensuring climate justice.

Informatics and Information Club of our university organized a trip to Kağıthane Municipality **Handmade Paper Workshop** on May 12, 2022.

In Kağıthane Municipality Handmade Paper Workshop, handmade paper is produced from waste fabric and paper.

As a result of the waste fabric and paper being processed in the workshop and recycled into paper in traditional ways, an attitude that protects the nature and the environment is displayed by contributing to recycling, in line with the understanding of responsible consumption. During the trip, workshop workers explained the paper making stages one by one to the club members participating in the trip and demonstrated the process of making paper.



12 May 2022

Trip to Kağıthane Municipality Handmade Paper Workshop



Summit 22' Event organized as part of IMU Career Week by IMU Career Club was held on Thursday, May 26, 2022 at the Bankkart Hall of the Ziraat Bank Library of Istanbul Medeniyet University. The second session started with a presentation on **“Waste Management and Sustainability”** by Kunter GÜLEÇ, who is a Waste Management and Sales Manager. GÜLEÇ interactively discussed the popular topics of environmental pollution, circular economy, recycling, industrial waste management, zero waste practices and sustainability. He gave information about all processes, from the importance of waste recycling, both individually and institutionally, to the separation and collection of waste, to the process after it is delivered to relevant licensed companies, and its contribution to the economy. GÜLEÇ also gave information about the grant programs for students who want to be entrepreneurs in this sector.

The second event of the **Biotech Talks** organized by the Biotechnology Student Club was held on December 9, 2022. Three different speakers working on three different topics were the guests of the event. In the last session of the event, Can KAYACILAR, who works on Supercritical Extraction Technology at Arşen Makine, participated as a speaker. KAYACILAR, a biologist and behavioral scientist, talked about the importance of plant proteins, plant-based nutrition and upcycling in food in terms of sustainable food consumption and production in his presentation titled “Functional Food Development”. “Functional Foods”, which means non-synthetic food that is created by adding bioactive substances obtained from completely natural foods to the foods we consume in daily life, while providing healthy food to meet current food needs, reduces the negative impact on the environmental footprint and contributes to the protection of natural resources.

The academic staff members of our university carry out research on implementing the 10-year framework of programmes on sustainable consumption and production; sustainable management and efficient use of natural resources; halving per capita global food waste; sound management of chemicals and all wastes; substantial reduction of waste generation; encouraging companies to adopt sustainable practices and sustainability reporting; promoting sustainable public procurement practices; promoting universal awareness for sustainable lifestyles; supporting developing countries to strengthen their scientific and technological capacity for sustainable consumption and production; developing and implementing tools to monitor sustainable tourism; and removing market distortions that encourage wasteful consumption, publish the results of their research and share them with other researchers, decision-makers, stakeholders, and the public.

The article titled **“Sustainable, therefore reputable: linking sustainability, reputation, and consumer behavior”**, co-authored by Umut ÜNAL, a master's student of IMU's Institute of Graduate Studies, MBA program and Assoc.Prof.Dr. Mertcan TAŞÇIOĞLU, a faculty member of the Business Administration Department, was published in Marketing Intelligence & Planning journal. In their study, ÜNAL and TAŞÇIOĞLU examined the importance of companies' sustainability efforts for corporate strategies from the consumer behaviours perspective. The authors examined the impact of social, economic and environmental sustainability efforts on society, one of the most important stakeholders of sustainable development. They also showed that sustainability efforts carried out by companies within the framework of corporate social responsibility have a positive impact on corporate reputation and pointed out that putting sustainability at the center of their corporate strategies has simultaneous benefits for society, the environment and the economy. Thus, they emphasized that developing a policy consistent with the sustainable economic development policy creates an important win-win situation for companies. In the light of their findings, they highlighted the importance of the private sector's role in the realization of sustainable development goals.



09 December 2022

Biotech Talks II





The article titled **“Dynamic relationship between international tourism, economic growth and environmental pollution in the OECD countries: evidence from panel VAR model”**, co-authored by Prof.Dr. Seyfettin ERDOĞAN, a faculty member of the Department of Economics of our university, was published in the Journal of Economic Research-Ekonomika Istraživanja. In the study, the effect of international tourism on economic growth and carbon emissions in OECD countries during the 1995-2020 period was examined using the Panel VAR model. In addition, the findings of the Granger Causality Model and Impulse-Response Analysis were also included. As a result of their empirical analysis, the authors, reached the conclusion that carbon emissions and economic growth gave a positive and meaningful response to international tourism shocks. In other words, the findings revealed that tourism shocks not only increase economic growth but also cause more carbon emissions. The study also found that the negative impact of tourism shocks on environmental pollution is greater than its positive impact on economic growth. Based on the empirical results, the authors emphasized that policy makers should take action and take measures to reduce the impact of international tourism on environmental degradation. They suggested the development and dissemination of clean energy technologies in all tourism activities in order to reduce the negative impact of tourism on the environment.

The article titled **“Eco-friendly technologies, international tourism and carbon emissions: Evidence from the most visited countries”**, of which Prof.Dr. Seyfettin ERDOĞAN, a faculty member of the Department of Economics, is one of the authors, was published in the Journal of Technological Forecasting and Social Change. In their study, ERDOĞAN et al. stated that there is a strong relationship between the tourism sector and carbon emissions, since all tourism activities, from transportation to accommodation and excessive consumption, are heavily based on fossil fuel use or electricity consumption. Therefore, they emphasized that the tourism sector causes a significant environmental footprint on a global scale. Stating that transportation is the primary source of carbon emissions, especially from international tourism

ERDOĞAN et al. examined the regulatory effect of environmentally friendly innovations on the transportation sector for the relationship between international tourism and carbon emissions. They concluded that environmentally friendly industrial innovations in the transportation sector will eliminate the harmful effect of international tourism on carbon emissions. They emphasized that the empirical results obtained in the study are important for policy makers because the countries included in the analysis are committed to reducing their carbon emissions according to the Paris Agreement and the Sustainable Development Goals. They recommended these countries to attach more importance to innovative processes, especially in transportation, and to increase the share of innovation expenditures in GDP.

**“A Clean and Livable Environment, Happy Kocaeli Project”**, which took place in 2021 and 2022 and lasted 13 months, was carried out in cooperation with Kocaeli Governorship, universities, chambers of industry and commerce, Eastern Marmara Development Agency and Kocaeli City Council under the leadership of ŞURA Urban Policies and Research Center established within Kocaeli Metropolitan Municipality. Prof.Dr. Hamza ATEŞ, a faculty member of our university, was among the researchers of the project. The project involved the preparation of a Sustainable Environment Action Plan for the health and well-being of the residents of Kocaeli province to create a sustainable industry and a sustainable city based on industrial innovations. It was prepared with the aim of considering Kocaeli’s environmental problems as a whole and developing solution proposals during the process. The specific objectives of the project were determined as analyzing the environmental situation of the province, determining environmental pollution and similar problems, developing methods and strategies with common sense against these problems, and compiling the necessary data for the Sustainable Environmental Action Plan. In the project, which was carried out in three steps, inventory study and data analysis were carried out in the first stage. 13 important issues were identified towards creating a sustainable environment throughout the province. A usable inventory was created by processing the data obtained on these subjects.

