

Template for Evidence(s)

University : Ege University
Country : Turkey
Web Address : www.ege.edu.tr

12.2.4.1 Policy waste disposal - landfill policy

ACTIVITIES AND AWARENESS

The award ceremony of the “Green Your Idea” and “Sustainability Logo” competitions was held at the event organized on the occasion of the “International Zero Waste Day” at Ege University. The event was organized by the Rector of EU Prof. Dr. In addition to Necdet Budak, members of the senate, academics, students and employees attended

[Ege Üniversitesi “Sıfır Atık” çalışmalarında bölgeye öncülük ediyor – Ege Ajans \(euegeajans.com\)](http://euegeajans.com)



Ege University Follows Recycling in Dining Halls
[@EUCevreMerkezi](https://twitter.com/EUCevreMerkezi) / X



Cloth bags were distributed to Ege University students to ensure the reduction of disposable bags and to raise awareness

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Ege University student communities produced bags from clothing fabrics. The project, which drew attention to recycling, attracted great attention.



Ege university students have produced cigarette butt boxes from plastic waste to prevent the damage of cigarette butts to the environment.



Ege university students recycled their waste razor blades.

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Ege University Aviation Vocational School students collected the wastes in the forests with the slogan if there is a forest, there is life.



Ege University Faculty of Health Sciences made awareness about waste reduction and recycled waste with the posters they prepared.



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Ege University Faculty of Health Sciences Waste oils formed during the laboratory and used for the conversion of these oils soaps are made. In order to recycle the waste eggshells, the eggshells are dried and it is milled. After that, it was added as fertilizer to the plant soils in the faculty garden.



Ege University students prepared posters and cleaned the beaches with the aim of creating awareness.



Ege University students prepared posters to create awareness, collected waste in the olive village, contacted people and made information.

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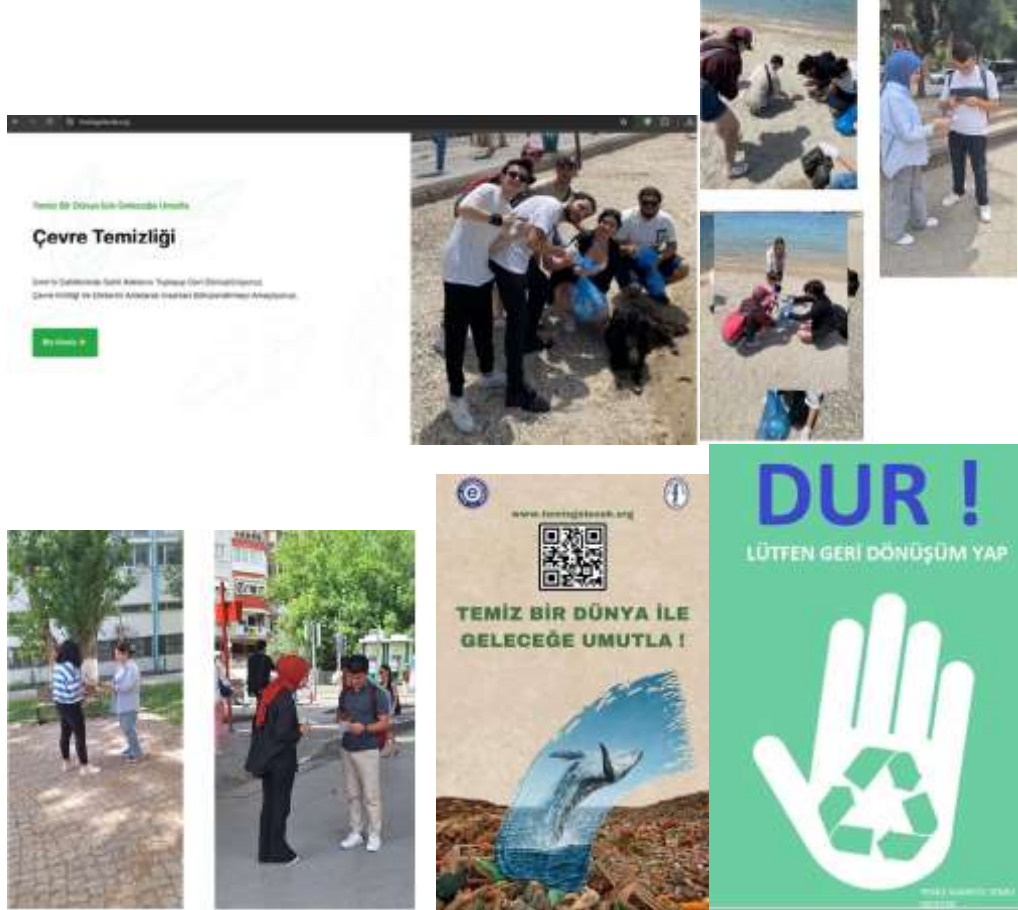
Students of the Faculty of Science of Ege University created awareness by Cleaning and Raising Awareness in the Sasalı Urban Forest of Izmir.



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Ege University students were made to raise awareness and collect waste with the slogan of Jul With Hope for the Future With a Clean World.



Ege University students made a large and comprehensive recycling study



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Ege University students did not collect waste in forests with the slogan Jul clean future with you



Ege University students collected pet bottle caps with the slogan of blue transformation.



Ege University students cleaned the beaches and carried out awareness-raising activities with the slogan of War with Waste, Peace with the Future.



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Policy Statement:

Ege University has established a comprehensive waste management and landfill avoidance policy to minimize the amount of waste sent to landfill. The policy aligns with Türkiye's Zero Waste Regulation and the university's institutional commitment to Sustainable Development Goal 12 (Responsible Consumption and Production). It emphasizes waste prevention, segregation at source, recycling, and valorization of organic and hazardous wastes before disposal.

Implementation and Management:

The policy mandates separate collection systems across all university units, ensuring that recyclable, organic, electronic, and hazardous wastes are managed according to national waste codes. The Environmental Research Center (ÇEVMER) coordinates periodic waste audits, while licensed recycling companies collect and recover materials. Organic waste from cafeterias and landscaping activities is composted or transformed into bio-based products such as biodiesel and biofertilizer, reducing landfill dependency.

Waste Type	Quantity (tons/year)	Measurement Method	Final Destination / Outcome
Packaging & Paper	302	Weighed and recorded in Zero Waste System	Sent to licensed recycling firms
Electronics & Batteries	9	Weighed before delivery	Recycled by machine-chemical industry company
Waste Oil	4	Collected and weighed	Sent to HABITAT Co. for bio-recycling
Organic Waste	56	Estimated and logged via composting operations	Composted or valorized as fertilizer
Laboratory Chemicals	100	Tracked in MOTAT system	Managed as hazardous waste under national regulation
Landfill Waste	20	Weighed before disposal	Sent to municipal landfill

Impact Indicator:

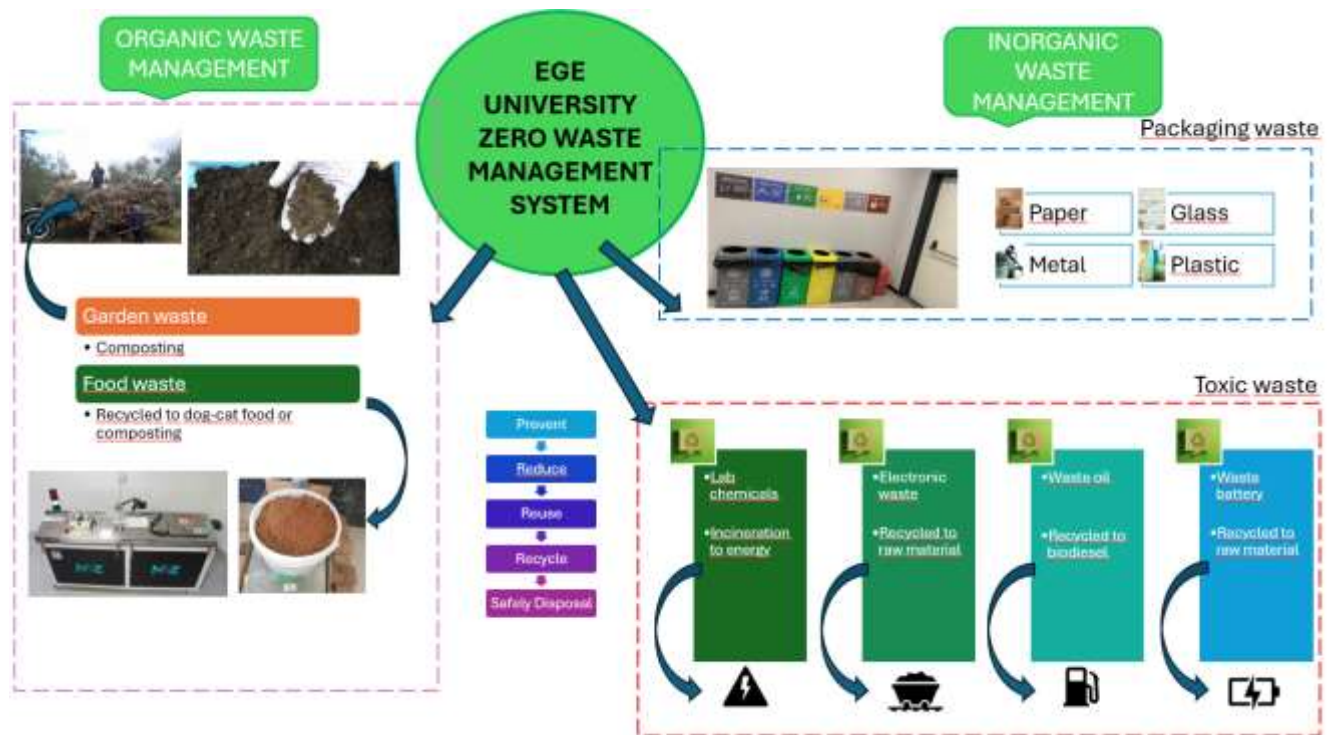
In total, approximately **491 tons** of waste were managed in 2024, of which only **20 tons ($\approx 5\%$)** were sent to landfill.

→ **Landfill diversion rate: 95 %**

This achievement demonstrates the university's progress towards a circular-economy campus model and

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Ege University implements an "[Integrated Waste Management System](#)" to ensure the environmentally safe disposal of hazardous wastes generated from educational, academic, research, and service activities.

In the approach of "Waste Management," the "Leaf-Branch-Trunk" model is employed, encompassing processes from the point of waste generation to its environmentally sensitive disposal. "Waste Reduction" constitutes the backbone of our university's [Sustainable Green University policy](#), implemented since 2017.

Ege University has become one of the 10 pilot universities where the protocol will be implemented as a result of the sustainable studies it has carried out with the slogans of "Green Campus" and



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"Climate-Friendly Campus". Ege University Zero Waste Action Plan was prepared to move from the basic level to Silver, Gold and Platinum levels, aiming for the smooth operation of the zero waste system and waste reduction. Ege University has established a Zero Waste commission for the realization and follow-up of these works. As of 2023, activities will be carried out according to the action plan.

REDUCE



Ege Üniversitesi Sıfır Atık Eylem Planı



Ege University Zero Waste Action Plan

The model used in the "Waste Management" approach in Ege University is the "Leaf-Branch-Trunk", and it covers the processes from the starting point where the waste is produced to its disposal in an environmentally friendly way. The backbone of our university's waste management policy is "Producing No Waste".



Zero Waste Plan was presented to our Senate members with the participation of our Rector.

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Sıfır Atık Yönetim Hiyerarşisi



Atık Önleme: Üretim sonrası kullanım sonucu üretilen atığın gerekli tüm tedbirler alınarak oluşumunun engellenmesi.

Atık Azaltım: Tüketim/Kullanım sonucu ortaya çıkan atık miktarının gereksiz tüketim yapılmasının önüne geçilerek azaltılması.

Yeniden kullanım: Üretilen atıkların başka bir ürün oluşturmada kullanılması.

Geri dönüşüm: Atıkların fiziksel ve kimyasal işlemlere tabi tutularak yeniden üretime geri kazandırılması işlemidir.

Geri kazanım: İşletmelerde kullanılan hammadelerin yerine atıkların fiziksel ve kimyasal işlemlere tabi tutularak yeniden kullanılması. Örneğin Anaerobik ortamda (oksijensiz) çürütme ve termal yöntemlerle enerji elde edilmesi enerji geri kazanımıdır.



Sıfır Atık Eğitimi-Çevre Sorunları Uygulama ve Araştırma Merkezi-Ege Üniversitesi-2019

Ege University Zero Waste Management Hierarchy Prevent-Reduce-Reuse-Recycle-Recover

https://cevremerkezi.ege.edu.tr/files/cevremerkezi/icerik/Sifir_Atik_Sunum_PDF.pdf

Type of waste in EU

Type of waste	Contents	Unit	Collection box (color)
Packaging	Paper Plastic Glass Metal Composit	All campus	Blue
Hazardous	Solvents, etc Fluorescent lamp, Cartridge, Battery, toner	All campus	Special box
Medical	Syringe Slide Lamella Tissue,organ parts , etc	Medical campus and biology, pharmacy laboratory	Red
Electronic	Obsolete computer parts, cables, electronic gadgets	All campus	Special box
Organic	Food waste	Dining hall and guesthouse, dormitory	Brown

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<i>Masks and gloves in Pandemi</i>	<i>Masks and gloves</i>	Medical departments	Grey
Others	Non-recyclable	All campus	Grey

RECYCLE



Bioengineering Department



Dining Hall

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Ödemiş Vocational School (Different campus of Ege)

1. Our packaging waste, which was 2 in the previous period, was divided into 6 in the new period and a video was made to explain it to all units.
- 2.

(https://drive.google.com/file/d/18p9Yr67sdUbaEHq_Lq1mTUuvn3zrepOP/view?userstoinvite=berna0838@gmail.com&sharingaction=manageaccess&role=writer&ts=652e87bf)



3. Within the framework of our Sustainable and Climate-Friendly Campus project, we placed Mobile Waste Collection Centers at the metro entrance of our Faculty of Dentistry and Medicine and Ege University.

1. (<https://twitter.com/EUCevreMerkezi/status/1635621594558091265>)

Within the scope of the "Sustainable and Climate-Friendly Campus" project at Ege University, "Mobile Waste Collection Centers" were placed at different points of the campus. There are paper, glass, plastic, metal, electronic waste, waste oil and waste battery units in the waste centers located at the EU Campus metro entrance, Faculty of Dentistry and Faculty of Medicine.

(<https://www.euegeajans.com/index.php/2023/03/15/ege-universitesi-sifir-atik-hedeflerine-dogru-onemli-bir-adim-daha-atti/>) Mobile Waste Bringing Centers will serve both as awareness raising points and as points where our visitors, students and staff can bring their waste.

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2. Compost machine



"At Ege University; Grass, vegetable, fruit, cooked food waste and tea and coffee pulp are transformed into compost, which is a good nutrient for the soil, as a result of the 24-hour process. "In addition, this machine can also make cat and dog food with different organic waste contents."

(<https://www.euegeajans.com/index.php/2023/06/23/ege-universitesi-organik-atiklari-komposta-donusturuyor/>)

3. Waste Battery

Online meeting with our vice-rector and waste coordinators



Online meeting on "Waste Battery Training" with our Faculties of Dentistry, Agriculture, Pharmacy, Engineering and Nursing.

4. Electronic Wastes



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Department of Information Technology electronic waste

Since electronic wastes are fixed assets, they are kept by the financial departments of the units on our campus and sent to the Machinery and Chemical Industry with a receipt in accordance with the laws of our country. In addition, mobile waste centers have areas open to the public where electronic waste can be disposed of.

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HURDA MALZEME ALINAN DEPOYUN ADI: ERÜ ÜNİVERSİTESİ REKTÖRLÜĞÜ
HURDA MALZEME DEPOSUNUN BULUNDUĞU İL: YAR. İZLERİ YAD. VE TEKNİK
DEPO SONUÇ TUTANAĞI DAİRE BAŞKANLIĞI
BORNOVA-İZMİR

SIRA NO	MALZEME CİNSİ	MİKTARI (KG)	FİYATI (TL/KG)	TUTARI (TL)
1	BİRİNCİ SINIF			
2	AĞIR VAŞIFLI DEMİR ÇELİK	9270kg		
3	ORTA VAŞIFLI DEMİR ÇELİK			
4	HAFİF VAŞIFLI DEMİR ÇELİK			
5	DİĞER DEMİR ÇELİK			
6	TEHİKKELİ ATIKLA KONTAMİNE OLMUŞ UÇ			
7	PIK			
8	BAKIR (PARÇA)			
9	STOK FAZLASI BAKIR TEL			
10	RADYATÖR BAKIRI			
11P	KABLO HURDASI (HER NEVİ)			
12	STOK FAZLASI KABLOSU			
13	PARÇA VE KÜLÇE HALİNDE KURŞUN			
14	AKU KURŞUN ÇURUFU			
15	PARÇA HALİNDE ÇIPLAK ALUMİNYUM			
16	BÜYÜKLE DEMİRLİ ALUMİNYUM	206kg		
17	PASLANMAZ			
18	STOK FAZLASI			
19				
20	ELEKTRİK ELEKTRONİK	200 kg		
21	YENİ HURDASI			
22	FOSFOR BRONZ ARA İSİ			
23	ÇİNKÖ			
24	TALAŞI			
25	METAL OLMAYAN MALZEMELER			
26	KARKAS VASFINDA DIŞ LASTİK			
27	LASTİK HURDASI			
28	BEDELSİZ-FİRE			
29				
TOPLAM		93570kg		

Faturaya esas olacak bilgileriniz: MKE Geri Dönüşüm Müdürlüğü Malzeme Vadesi Dairesi 5311520267 Fatura düzenlenmektedir/düzenlenmeyecektir.

YUKARIDA CİNS VE MİKTARI YAZILI MALZEMELERİN TESLİM VE TESELLÜM İSLEMİNE 07.02.2022 TARİHİNDE BAŞLANMIŞ OLUŞ DEPODA BAŞKA MALZEME KALMADIĞINDAN 07.02.2022 TARİHİNDE SON VERİLMİŞTİR.

KURUM/KURULUŞUN (BANK NO: TR 2700012009314000040000004

BANKA AÇIŞUBESİ:

HALK BANKASI İZMİR BORNOVA ŞUBESİ

NOT: Ekspertiz raporunda belirtilen malzemelerin tamamı teslim ve tesellüm edilmiştir.

DEPO YETKİLİLERİ

MKE A.Ş. GERİ DÖNÜŞÜM İŞLETMESİ MÜDÜRLÜĞÜ

REDİT NOTU 8 PRO

SAĞLIKLI İŞLERİ AMERİA

SÜLEYMAN YAKAR

EKİP SORUMLUSU

5. Toxic wastes

The management of hazardous waste management in our campus continues on a regular basis, as in previous years. In order for the management to be carried out in an orderly education is carried out on a regular basis for staffs.



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Tarih: 05/11/2020

Adı : EGE ÜNİVERSİTESİ MERKEZ KAMPÜSÜ
Adresi : ERZENE Mahallesi, GENÇLİK CADDE, No: 12 -, BORNOVA, İZMİR, Türkiye
Vergi No : 3250080230

Belge Son Geçerlilik Tarihi: 05/11/2025

 e-imzalıdır
ÖMER ALBAYRAK
Çevre ve Şehircilik İl
Müdürlüğü Vekili

Da helge, givens elektronen inna de inylanturte

Bu belgeyi kullanmadan önce: <https://www.sahar.gov.tr/urun-ve-hizmetler/bu-belgeyi-kullandiktan-sonra>



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Zero Waste Management Certificate awarded by the Ministry of Environment and Urbanization (Until 2025)

Ege University was chosen as the leading university within the scope of the 'Zero Waste' Project initiated by the Ministry of Environment and Urbanization. Ege University was the first state university to implement the project, which was initiated to use resources more efficiently and reduce the amount of waste.

REUSE

FOR REDUCING AND REUSING ACTIVITIES OF EGE UNIVERSITY

PLEASE CLICK ON:

<https://docs.google.com/document/d/1b-Ju4TootmaAlUGtlhdW-uimcaqMwogb/edit?usp=sharing&oid=108883232192648074080&rtpof=true&sd=true>





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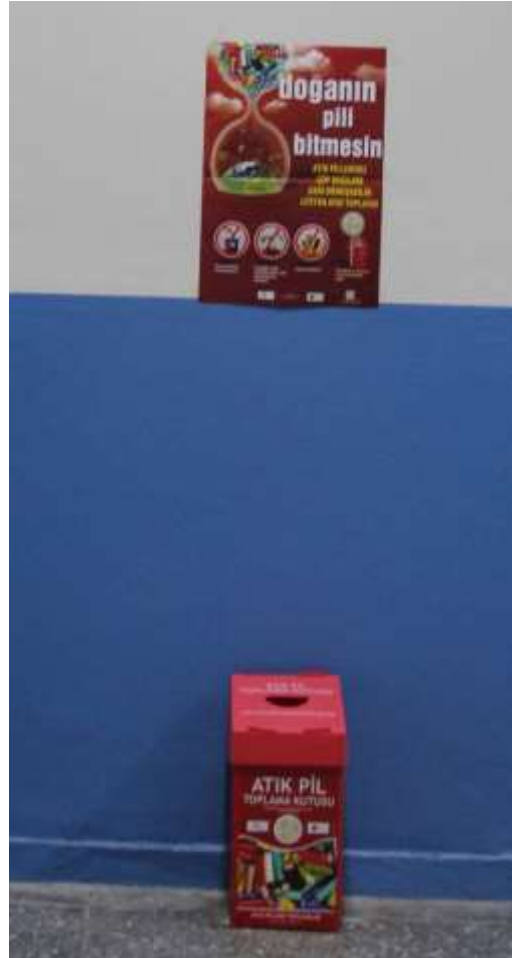
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Ege University Faculty of Science departments, Statistics, Astronomy and Space Sciences and Mathematics Departments, Physics - Chemistry Department and Biochemistry - Biology Departments, in order to reduce waste, prevent waste, encourage recycling and thus spread the "Zero Waste Philosophy" studies have been carried out.

"Waste-Art" figures were created by using waste plastic bottles, symbols representing the working areas for each section.

"Column Graph" for the Statistics department, "Pi Number" for the Mathematics Department, "Atom" for the Physics-Chemistry Departments and "DNA Spiral" figures for the Biology-Biochemistry Departments were made by our students and placed at the building entrances.

In this way, it is aimed to raise awareness among our students and academic-administrative staff studying in those blocks and to increase the widespread effect of the zero waste philosophy.



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The Portable Battery Manufacturers and Importers Association (TAP, <https://tap.org.tr>) was contacted and provided Waste Battery boxes for all of our departments on each floor. At the same time, posters prepared by TAP were procured and placed on these waste battery boxes on the floors to raise awareness. On the other hand, it was aimed to raise awareness of environmental protection by distributing Small Waste Battery boxes to the rooms of all our academic and administrative personnel in our departments, and this service was offered up to the offices.



Ege University implements an integrated waste management system. Within the scope of this waste management, packaging wastes, hazardous wastes, organic wastes, etc. are managed in accordance with the zero waste regulation. As a result of these applications, Ege University was entitled to receive the first document given in the images above.

We have a zero waste booklet and a green university guide to raise awareness of students, academics, staff and the public on the subject.

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Within the scope of the zero waste project, indoor recycling bins (5200 units) were placed in all buildings within the University, and outdoor recycling bins (94 units) were placed outside of all buildings.

The temporary storage area was equipped with high-volume garbage containers (4 units) to store recyclable waste collected from university buildings.



Delivery minutes stating that we have delivered the wastes to the recycling company

A zero waste system has been established in all departments of the university and the data are followed by authorized personnel every day.

Example of Recycling Program for University Waste (Ege University , Turkey)

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Turning small amounts of organic waste generated in departments into compost - Bokashi Compost

Click the link below for the composting video;

<https://drive.google.com/file/d/12TzOd8qIWh77hpn3RrOEbXjFje37UoH0/view>



The plant material used in the production of biochar and a simple - easy mechanism for obtaining biochar

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Biochar from plant material

Biochar obtained from plant wastes is used as soil improvement material in our university.



Within the scope of the Student Orientation Program, E.U zero waste management applied on our campus is explained online by the Research-Oriented Student Center to undergraduate and graduate students.

Researcher Student Orientation Program



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A "Cooperation Protocol in the Field of Creating a Sustainable and Climate-Friendly Campus" was signed between the Council of Higher Education (YÖK) and the Ministry of Environment, Urbanization and Climate Change and the Ministry of Energy and Natural Resources. Ege University has become one of the 10 pilot universities where the protocol will be implemented as a result of the sustainable studies it has carried out with the slogans of "Green Campus" and "Liveable Campus".



Delivery receipt stating that we have delivered the wastes to the recycling company

A zero waste system has been established in all departments of the university and the data are followed by authorized personnel every day.

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The disposal of non-recyclable wastes is provided by sending them to the landfill by municipal vehicles according to the protocol made with the Izmir Bornova Municipality

Electronic Document Management System (EDYS) and automation systems known as enVision were built to reduce the amount of paper usage in offices and educational facilities.



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Within the scope of the zero waste project, indoor recycling bins (5200 units) were placed in all buildings within the University, and outdoor recycling bins (94 units) were placed outside of all buildings.

The temporary storage area was equipped with high-volume garbage containers (4 units) to store recyclable waste collected from university buildings.



Each unit contains waste bins made of recycled material. Recycling bins are available in every unit of our university and they are collected by the county municipality.



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Organic Waste Treatment

Our university conducts composting studies of chicken manure and barn manure and composting of tobacco and oily thyme waste. At the same time, some of the dining hall waste is composted. In addition, a project was submitted to the Ministry of Environment for composting all organic wastes generated at the university. A compost machine was requested within the scope of this project (image of the compost machine and the project cover page are given above). The project we presented has passed the pre-selection.

Scientific research projects are carried out in our Faculty of Agriculture on the production and use of compost in our university. One of them is "Use of Composted Tobacco Waste as an Alternative to Barn Manure in Vegetable Production and Its Effects on Soil Properties: Lettuce Case project.

This research is carried out by E.U. Faculty of Agriculture Menemen Research and Application Farm was conducted in the trial area. Tobacco wastes taken from İzmir Kemalpaşa Socotab factory were composted and applied to 6 m² parcels together with barn manure. Lettuce was used as a test plant and 30 plants were planted in each plot. The changes in soil physical and chemical properties and yield of lettuce were investigated.

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A compost machine was purchased for our trip in the new term for the treatment of cafeteria waste. Daily compost production continues with this machine. (<https://www.euegeajans.com/index.php/2023/06/23/ege-universitesi-organik-atiklari-komposta-donusturuyor/>)

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We have a zero waste booklet and a green university guide to raise awareness of students, academics, staff and the public on the subject. Zero waste training periodically by the environmental problems application and research center, workshops are held.



Description:

Zero Waste Practices are compulsory for two weeks within the scope of the Introduction to University Life course for first year university students. In addition, Zero Waste and Hazardous Waste Management issues are taught to all graduate students at the beginning of each year within the scope of the orientation program.

Additional evidence link:

<https://drive.google.com/file/d/12TzOd8qIWh77hpn3RrOEbXjFje37UoH0/view>

<https://arom.ege.edu.tr/s-7873/.html>



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<https://www.euegeajans.com/index.php/2022/10/05/ege-universitesi-cevre-dostu-uygulamalari-ile-10-pilot-universite-arasina-girdi/>

https://cevremerkezi.ege.edu.tr/tr-5797/sifir_atik.html

<https://egeajans.ege.edu.tr/?p=13826>

<https://twitter.com/egeajans87/status/1250679706405474304>

http://euatik.ege.edu.tr/files/euatic/icerik/eu_tehlikeli_atiklar_uygulama.pdf

https://cevremerkezi.ege.edu.tr/tr-9257/yesil_kampus_ve_surdurulebilirlik.html

http://euatik.ege.edu.tr/files/euatic/icerik/yesil_universite.pdf

https://cevremerkezi.ege.edu.tr/a-289/ege_universitesi_surdurulebilir_yesil_universite_stratejik_plani.html

https://cevremerkezi.ege.edu.tr/tr-5797/sifir_atik.html

<https://egeajans.ege.edu.tr/?p=13826>

<https://twitter.com/egeajans87/status/1250679706405474304>

<https://egeajans.ege.edu.tr/?p=11967>