

BARTIN UNIVERSITY
SUSTAINABILITY REPORT
2018-2019

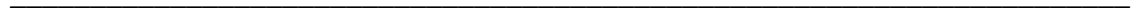


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1. INTRODUCTION

Bartın University focuses on education, research and social responsibility, environmental consciousness and sustainability issues on the aspect of “**Sustainable Environment**” and moves with the aim of becoming a “Green Campus”.

Bartın University has accelerated its studies within the scope of **GreenMetric**, “World Environmental Universities Ranking”. In 2018, Bartın University ranked as 11th in our country.

With the sustainability and environmental point, via “**Zero Waste Project**”, especially on wastes and recycling and water use, education and research fields important steps were taken.

In this context, Bartın University provides both infrastructure and energy efficiency with its smart buildings under construction on the Kutlubey Campus and thermal insulation made by environmentally friendly insulation materials at Ağdacı Campus.

It supports the green campus policy with its efforts to protect and increase and improve green areas and even to increase water-absorbing areas.

At the Kutlubey campus, a pond was created with rain harvesting and later the irrigation of green areas provided from this water source.





Still, within the scope of the “Zero Waste Project”, waste reduction programs have been put into practice for the recovery and disposal of waste.

Both campuses have wastewater treatment plants and they are operated with high efficiency. Water conservation program and water recycling programs are developed to prevent the efficient use of water and wastage of water resources.



In terms of transportation, for less carbon footprint ring applications performed in the University. In the field of education, courses and applications are carried out in the associate, bachelor, master and doctorate programs.

Within the scope of “100/2000 YÖK Doctoral Scholarships Project” of Council of Higher Education (YÖK), “Sustainable Forestry”, “Forestry Products and Technology” and “Sustainable and Intelligent Cities” doctoral education provided by Bartın University and also Bartın University raise awareness together with research projects and practices with various kind of activities with environmental educations.

2. Campus Location and Infrastructure

Bartın University has 4 Campuses and green areas are covering high amount of area within the campus. Design, maintenance and application practices are carried out for the green areas. The buildings have the features of green building properties such as natural ventilation, all day natural lighting, energy management system etc.



Bartın University operates on 4 different campuses.



Ağdacı Campus



Ağdacı Campus



Ağdacı Campus



Kutlubey Campus



Kutlubey Campus



Kutlubey Campus



Kutlubey Campus



Ulus Campus



Kurucaşile Campus

3. Energy and Climate Change

Energy and Climate Change Energy efficient devices and applications are used in buildings. LED lightening and energy saving bulbs are used throughout the campus. Energy efficient devices are also used. Most of the buildings have automatic doors and automatic fire alarm systems.



LED lighting systems

LED lighting and energy saving bulbs are used throughout the campus. In this way, it is aimed to reduce energy consumption.



Lamps with sensors

More healthy and efficient lighting is provided with sensor lamps located in indoor places of the buildings.



A + refrigerators and air conditioners with inverter technology

At the same time, energy efficient devices are used. In this way, it is aimed to decrease the energy consumption amounts and to reduce the consumption amounts per person inside the university.



QuickSpecs
HP EliteDesk 800 G3 and HP EliteOne 800 G3 Business Desktops PCs
 Standard Features and Configurable Components (availability may vary by country)

AT A GLANCE

- Choice of four form factors: Tower, Small Form Factor
- New commercial ID on all form factors
- Intel® Q270 chipset supporting Intel® 7th Generation featuring integrated Intel® HD Graphics and Intel®
- Processor support up to 65W on SFF, TFM and AIO;
- Support for Windows 10 to Windows 7 Downgrade
- Intel® HD graphics or optional discrete graphics (see
- Intel® Ethernet Connection I219V/1 GbE LOM integr
- DDR4 Synchronous Dynamic Random Access Memo
- Support for up to three monitors via two standard which provides the following choices: HDMI, VGA (e 1.2 (see Ports section or pages 1-8 for port availa
- Configurable 3rd rear I/O video port (HDMI, Display
- Audio by Bang and Olufsen on the 800 G3 All-in-On
- TWR and SFF models can be configured with multi
- HP Sure Start Gen3
- HP Manageability Integration Kit
- HP WorkWise
- Intel® Unite™ available with EliteDesk 800 G3 DM C
- Intel® Unite™ needs to be configured at factory (AI
- High efficiency energy saving power supply option
- ENERGY STAR certified** (EPEAT® Gold registered w
- www.epeat.net for registration status by country.
- CCC, FCC and SEDS certified
- Optimized for Skype for Business; 800 G3 All-in-Sk
- TCO Edge for AIO; TCO certified for DM
- PC chassis and all internal components and modul
- Arsenic-free
- Dust filter available for all platforms (except EliteD
- Protected by HP Services, including limited warran
- restrictions and exclusions apply); Care Packs avail

HP EliteDesk 800 G3 and HP EliteOne 800 G3 Business Desktops PCs

Energy-efficient computers and monitors



Energy efficient printers and scanners

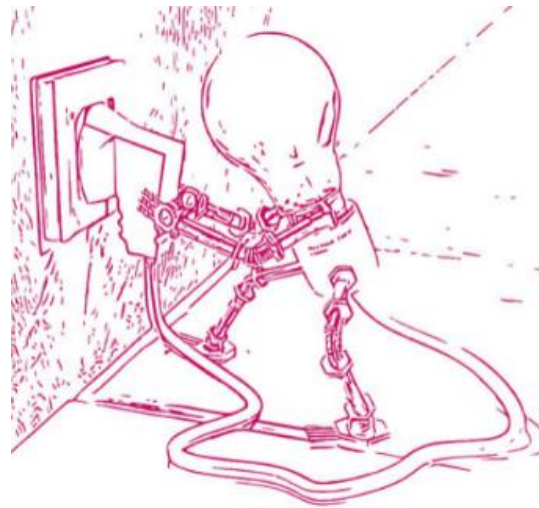


Energy efficient co-printers and copiers

In order to save energy, informative presentations and stimulating visuals are prepared and presented to employees and students.



**Don't Forget to Shut Down
Your Computer!**



Turn off The Lamps!



**Do not Leave Devices in
Stand-by Position!**



Use LED Lamp!



Automatic fire alarm systems are available in our buildings.

There are automatic doors at the entrances of the buildings in our campuses.



The inside and outside of the buildings are continuously monitored by camera systems.

These features complement some of the requirements to ensure that our buildings are smart buildings and they work in harmony with our building management system.

Awareness studies are carried out for obtaining energy from renewable energy sources. It is aimed to increase these with academic studies.



Solar energy system for charging devices like telephone etc.



Solar watering system for automatic watering of plants in offices



Academic studies are carried out using solar energy



Our First Electric Vehicle ÇEŞM-İ CİHAN



Our Second Electric Vehicle **GÖKBÖRÜ**

We participated in national competitions and won awards in different categories with our electric vehicles prepared by Mechanical Engineering students and consultants.



Promotion and Dissemination Incentive was received with GÖKBÖRÜ in 2019

Since the gallery system is glass, natural lighting is provided all day long in the corridor and breathing areas (No lighting elements are used).



Natural lighting (Faculty of Forestry)



Natural lighting (Faculty of Engineering, Architecture and Design)

All living areas have windows that provide natural ventilation that gives fresh air inside of the buildings.



Natural ventilation (Sözel Derslik in Kutlubey Campus)

All buildings are thermally insulated and heat losses are prevented. In this way, the amount of fuel in winter is minimized. Materials made from natural wool are used in the insulation.



The old buildings in Ağdacı Campus.were made energy efficient by making insulation



The newly built buildings on the Kutlubey Campus are insulated

4. Waste Management

Bartın University carries out a recycling and waste reduction program with the “Zero Waste Management” approach. Precautions are taken to protect natural resources and use them efficiently. “**Zero Waste Project**” is carried out in all units. Trainings on waste management have been initiated and efforts have been on progress to prevent waste.

Wastes are collected separately (packaging waste, battery, etc.) and is given to recycling companies. Food waste is sent to animal shelters.





Our students have been educated with trainings about Zero Waste Project



All employees pay attention to the collection of wastes with Zero Waste Project

With the waste recycling program carried out within the scope of Zero Waste Project, wastes are collected in an appropriate manner and delivered to recycling companies.



Zero Waste Temporary Storage Area

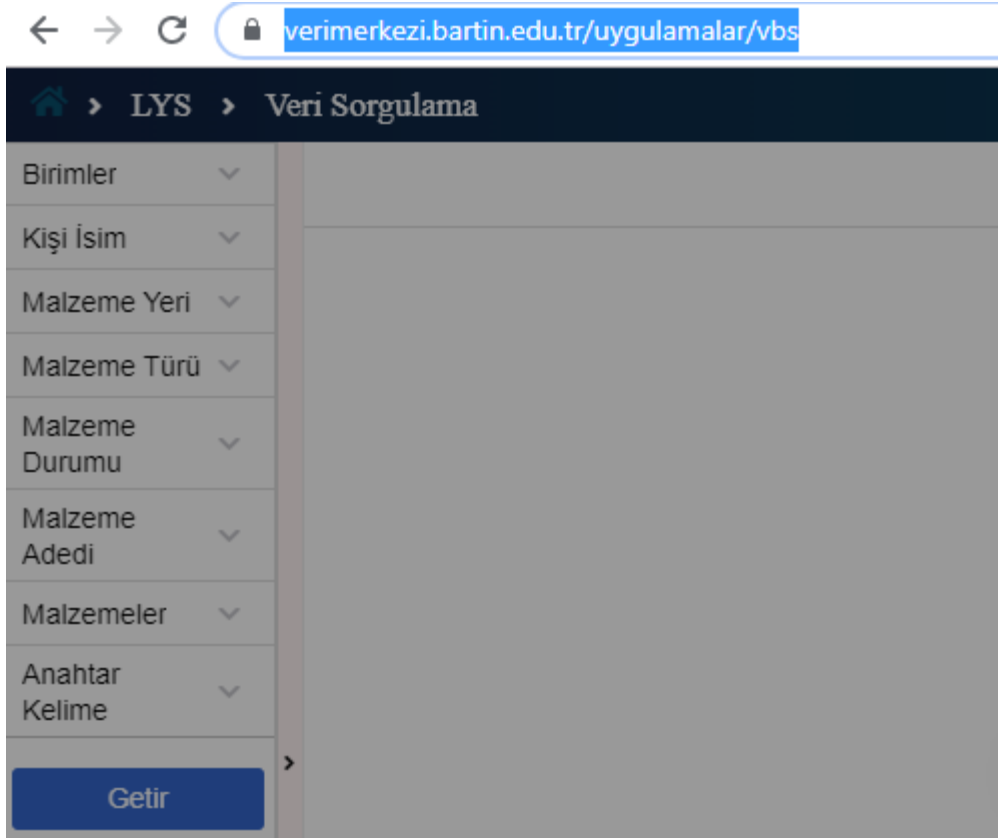


Waste materials are recorded and delivered to recycling company

Together with the Zero Waste Project, different waste reduction programs are used in our university. Thanks to these programs, paper and plastic consumption and waste production are minimized.

Within the scope of waste reduction program

1. Logistics Management System (LYS)
(<https://verimerkezi.bartın.edu.tr/uygulamalar/vbs>)
2. Sıfır Atık Projesi Zero Waste project
3. E-signature system (<https://ubys.bartın.edu.tr/>)
4. Double-sided printing
5. Joint printer usage policy
6. Use of glass, porcelain and metal cups
7. The use of the back side of printed paper is preferred.
8. The use of cloth bags is encouraged; this reduces the consumption of plastic bags.



With the LYS system, the materials of units that are not needed are shared and savings are prevented from wasting



E-signature system was launched to reduce paper and plastic usage on campus.



Our energy efficient printers and copier machines that can do double-sided printing are connected to the joint network and used as a common printer.

This saves both decreasing the number of devices and reduces energy use.



To reduce the use of plastic and cardboard cups, our employees use glass, porcelain and metal cups for tea, coffee and so on. Our tea stoves, which can supply beverages, were put into service in every building.



Within the scope of Zero Waste, efforts are being made to reduce paper waste and awareness is being created.

DAHA AZ PLASTİK ATIK İÇİN 6 ÖNERİ



1

Kendi alışveriş çantanızı getirin.



2

Tekrar kullanılabilen su kabı edinin.



3

Kendi kupaınızı kullanın.



4

Yemeğinizi evden götürüyorsanız tekrar kullanılabilen kaplar edinin.



5

Kullan-At ürünleri terkedin.



6

Yemekten kalanları cam kaplarda saklayın.



Within the scope of Zero Waste, works are being carried out to reduce plastic waste.



Our university aims to minimize the use of plastic bags with the cloth bags



Our University realizes the distribution of cloth bags with different activities

There are biological treatment facilities on campuses for the treatment of wastewater.



Ağdacı Campus Treatment Plant



Kutlubey Campus Package Treatment System

5. Water Resources

In order to “**Save Water**” a program has been created in Bartın University. For this purpose, a pond was created for collecting and storing the rainwater on Kutlubey Campus. For the irrigation of green areas was started in the campus area. Currently there is an automatic irrigation system for green areas, and it is watering the green lands in appropriate times.



Bartın University Kutlubey Campus Pond Project

The Pond Project has started to host many living things. It has become rich in biodiversity by sheltering different kinds of living things in and around it.



Kutlubey Campus Pond



Water from the pond is used for irrigation of green areas



Biodiversity increases on campus thanks to the Kutlubey pond

Since the existing irrigation system has an automatic irrigation system for green areas, it saves water by irrigating at suitable times.



Automatic irrigation systems



The taps used in our university have flow-reducing properties, that helps saving water.



Our electrical cleaning tools used in building cleaning are effective in the efficient use of water by achieving low water consumption.

6. Transportation

Bartın University provides public transportation with a ring service to reduce vehicle use. Two free shuttles are offered to Kutlubey and Ağdacı campuses every work day, for academic and administrative staff.

BARTIN ÜNİVERSİTESİ 2018-2019 YILI PERSONEL SERVİSİ VE RİNG GÜZERGAHI		
AĞDACI KAMPÜSÜ PERSONEL SERVİSİ		
DURAK	HAREKET YERİ VE PERSONEL SERVİSİ GÜZERGAHI	HAREKET SAATİ
1.Durak	KAMPÜS ÇIKIŞ	07:45
2.Durak	TÜRBE IŞIKLAR	07:53
3.Durak	BALAMBA HASTANE KAVŞAĞI	07:55
4.Durak	ULUS DURAĞI	07:57
5.Durak	ORDU YERİ KÖPRÜSÜ	07:59
6.Durak	YALI	08:01
7.Durak	MİLLİ EĞİTİM MÜDÜRLÜĞÜ	08:03
8.Durak	AKTIP	08:07
9.Durak	ÖZEL İDARE	08:11
10.Durak	A 101 DURAĞI	08:13
11.Durak	AFAD	08:15

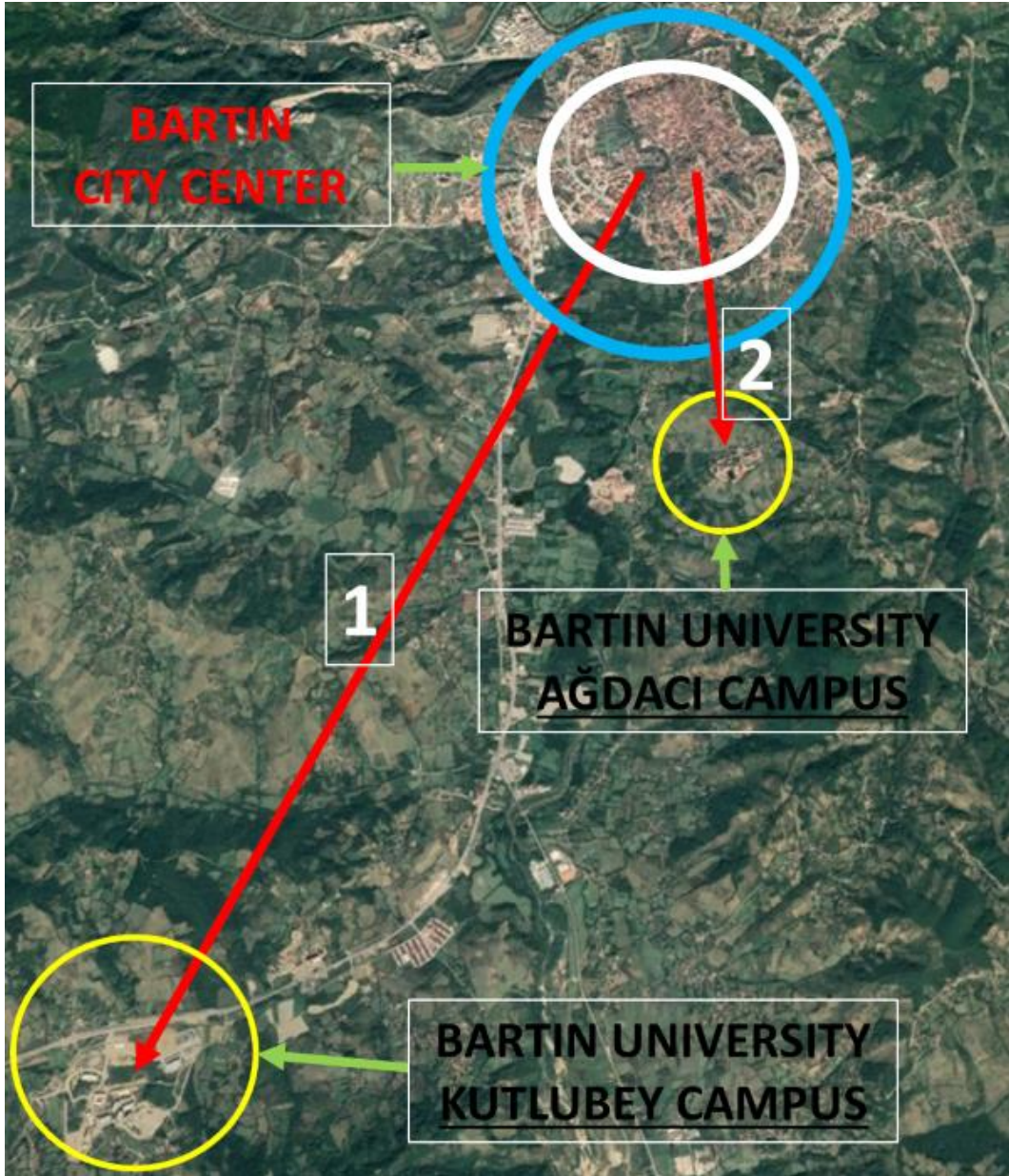
KUTLUBEY YAZICILAR KAMPÜSÜ RİNG GÜZERGAHI		
DURAK	HAREKET YERİ VE RİNG GÜZERGAHI	HAREKET SAATİ
1.Durak	KAMPÜS ÇIKIŞ	07:45
2.Durak	MYO	07:50
3.Durak	TÜRBE LOJMANLARI	07:52
4.Durak	ADLİYE LOJMANLARI	07:54
5.Durak	AKTIP	08:00
6.Durak	FORD BAYII	08:05
7.Durak	TOKSÖZLER PETROL	08:07
8.Durak	MİMAR SİNAN DERSLİĞİ	08:16

Free Staff Services

(<http://imid.bartın.edu.tr/ulasim-hizmetleri/ulasim-hizmetleri.html>)



The daily transportation of personnel is carried out free of charge with the shuttle vehicles of Bartın University, and the transportation of personnel and students between campuses is also carried out on special days.



Free staff services bring our staff from Bartın City Center to Ağdacı and Kutlubey Campus.

120 bicycles were distributed to the administrative and academic units and student clubs by our university and they were provided free of charge.



Bicycle paths are available on our campuses



For cyclists, bicycle parking spaces are located on different campuses



Boats and canoes built by the Naval Architecture Department in Kurucaşile are used free of charge for educational and sightseeing purposes



Sidewalk, road and building entrances on campuses are designed to be disabled and pedestrian friendly



Signboards are placed inside the campuses for easy access of pedestrians and vehicles.

Bartın Üniversitesi
6 Birimde Turuncu Bayrak Almıştır

BAŞVURAN BİRİM	BAŞVURULAN KATEGORİ	BAŞVURULAN BAYRAK
Beden Eğitimi ve Spor Yüksekokulu	Fakülte Mekan	Turuncu Bayrak
Edebiyat Fakültesi	Fakülte Mekan	Turuncu Bayrak
Eğitim Fakültesi	Fakülte Mekan	Turuncu Bayrak
Fen Fakültesi	Fakülte Mekan	Turuncu Bayrak
Mühendislik Fakültesi	Fakülte Mekan	Turuncu Bayrak
İslam İlimler Fakültesi	Fakülte Mekan	Turuncu Bayrak



Our university has been awarded by YÖK for 6 Faculties in Barrier-Free Access.

7. Education

Courses, researches, academic publications and academic activities related to “Environment and Sustainability” are carried out in our University. In order to increase the participation of students in sustainability activities, numerous clubs such as Environment Club, Forest Club, Bicycle Club, Maritime Club, Science and Technology Club have been established.

Many activities, studies, examinations are conducted by both academic and administrative, also by students in existing faculties and departments. In addition, environmental and sustainability activities are organized and/or contributed together with external stakeholders.

In the field of education, courses and applications are carried out in the associate, bachelor, master and doctorate programs. Within the scope of “100/2000 YÖK Doctoral Scholarships Project” of Council of Higher Education (YÖK), “Sustainable Forestry”, “Forestry Products and Technology” and “Sustainable and Intelligent Cities” doctoral education provided by Bartın University and also Bartın University raise awareness together with research projects and practices with various kind of activities with environmental educations.

The faculties, institutes and clubs in our university carry out many different activities on sustainability and environment.



"Village Design Guides" Seminar and "Photography Exhibition"

(19.01.2016) – Link:

<https://orman.bartın.edu.tr/etkinlikler/koy-tasarim-rehberleri-seminerleri-ve-fotograf-sergisi-yapilmistir.html>

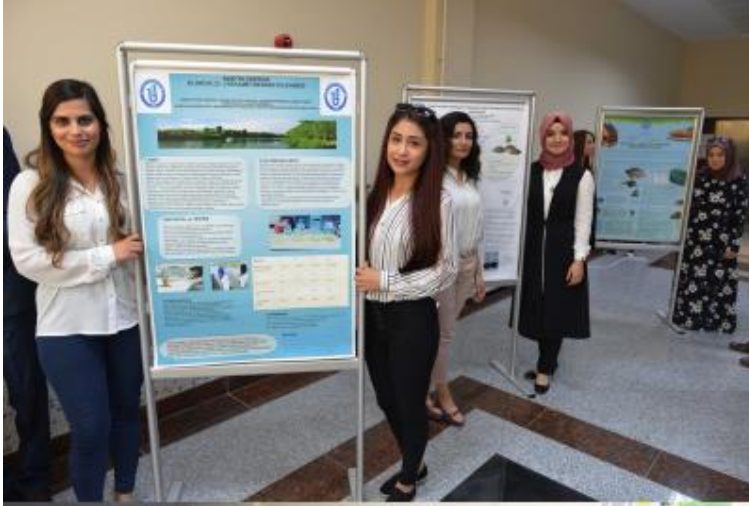


Salep Station Kozcağız
(03.02.2016) – Link:
<http://www.bartın.info/tarım/salep-duragi-kozcagiz-protokolu-imzalandi-h22634.html>



**Bartın University
Sapling Planting
Ceremony (24.03.2016)**
– Link:
<http://greenmetrics.bartın.edu.tr/haberler/bu-fidan-dikme-toreni.html>





II. Environmental Engineering Project
(31.05.2016) – Link:
<http://greenmetrics.bartın.edu.tr/haberler/ii.-cevre-muhendisligi-proje-etkinligi-gerceklestirildi.html>



Greenmetric Meeting
(1.11.2016) – Link:
<http://greenmetrics.bartın.edu.tr/haberler/universitemzide-greenmetric-toplantisi-yapildi.html>



Technical trip to Küre Mountains

(24.11.2016) – Link: http://myo.bartın.edu.tr/haber_goster.php?olay_ID=37



Bartın OSB Wastewater Treatment Plant Technical Trip

(09.12.2016) – Link: <http://cevre.bartın.edu.tr/etkinlikler/organize-sanayi-atiksu-aritma-tesisine-ve-bartın-inovasyon-ve-test-merkezi-teknik-gezileri.html>



**Aquatic Ecosystems
Conference**
(03.01.2017) – Link:
<http://greenmetrics.bartın.edu.tr/haberler/sucul-ekosistemler-konferansi.html>





BARTIN ÜNİVERSİTESİ
BİSİKLET KULÜBÜ

SÖYLEŞİ



18 Mayıs 2017 - 10.30
BÜ Konferans Salonu

“My Life is Two
Wheels” Interview
with **Kaya Palancılar**
(18.05.2017) – Link:
<https://greenmetrics.bartın.edu.tr/duyurular/hayati-m-iki-teker-konulu-soylesi.html>



III. Environmental Engineering Project Event (24.05.2017) –

Link:

<http://greenmetrics.bartın.edu.tr/haberler/iii.-cevre-muhendisligi-proje-etkinligi-gerceklestirildi.html>

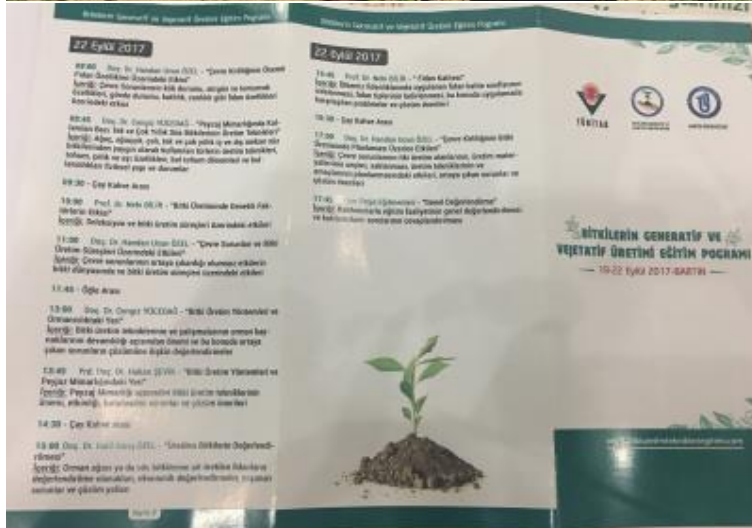




15 July Martyrs' Memorial Forest Planting Saplings
 (13.07.2017) – Link: <http://greenmetrics.bartın.edu.tr/haberler/15-temmuz-sehitleri-hatira-ormani-fidan-dikimi.html>



Training of generative and vegetative production of plants
 (19.09.2017) – Link: <https://w3.bartın.edu.tr/haberler/bitkilerde-generatif-vegetatif-uretimi-projesi.html>





BARTIN ÜNİVERSİTESİ
2006
BÜYENARUM

PANEL

T.C.
Bartın Bilim, Sanayi ve
Teknoloji Müdürlüğü

**KÜRESEL İKLİM DEĞİŞİMİ
YENİLENEBİLİR ENERJİNİN ÖNEMİ**

**22 Aralık
2017
14:00**
Bartın Üniversitesi
Konferans Salonu

OTURUM BAŞKANI
Prof. Dr. Nedim SARAÇOĞLU
Bartın Üniversitesi

KONUŞMACILAR

Doç. Dr. Handan ÜCÜN ÖZEL
Bartın Üniversitesi

Doç. Dr. Gökhan GÜNDÜZ
Bartın Üniversitesi

Yrd. Doç. Dr. Abil USTA OĞLU
Bartın Üniversitesi

Bartın Sektörel Kalkınma ve İşbirliği Kurulu (BARKİK) ile Kocaeli-Üniversite-Sanayi İşbirliği Kurulu kapsamında Bartın Üniversitesi Yenilenebilir Enerji Uygulama ve Araştırma Merkezi (BÜYENARUM) tarafından düzenlenmektedir.

**Global Climate Change
and the Importance of
Renewable Energy
Panel (22.12.2017) –**

Link:

<https://buyenarum.bartın.edu.tr/duyurular/kuresel-iklim-degisikligi-ve-yenilenebilir-enerjinin-onemi-konusuldu.html>

ODUN DIŐI ORMAN ÜRÜNLERİ VE TIBBİ AROMATİK BİTKİLER PANELİ



26 ARALIK 2017

Saat: 10.00



Devlet Konuşmacılar

- Prof. Dr. Etra KÜPELİ AKKOL, Gazi Üniversitesi
- Prof. Dr. Yüksel KAN, Selçuk Üniversitesi
- Doç. Dr. Ayben KILIÇ PEKGÖZLÜ, Bartın Üniversitesi
- Selahattin YANIK, Bartın Orman İşleme Müdürlüğü

Panel Yeri

Bartın Üniversitesi Konferans Salonu, Ağıldacı
Kampüsü, Bartın.

Oturum Başkanı

- Prof. Dr. İbrahim TÜMEN, Bartın Üniversitesi

DÜZENLEYEN KURULUŐLAR



KATRI SAĞLAYAN KURULUŐLAR



**Non-Wood Forest
Products and
Medicinal Aromatic
Plants Panel**
(26.12.2017) – Link:
<https://greenmetrics.bartın.edu.tr/duyurular/odun-disi-orman-urunleri-ve-tibbi-aromatik-bitkiler-paneli.html>



**Sustainable
Development Goals in
Turkey and the World
Conference**

(10.01.2018) – Link:

<https://greenmetricsen.bartın.edu.tr/haberler/sustainable-development-goals-in-turkey-and-the-world-conference-was-held.html>

<https://w3.bartın.edu.tr/haberler/surdurulebilir-gelisme-hedefleri-konferansi.html>



Bartın University lecturers gave nature education (26.03.2018)

– Link:

<https://greenmetricsen.bartın.edu.tr/haberler/bartın-university-lecturers-gave-nature-education.html>

<https://w3.bartın.edu.tr/haberler/bartın-orman-fakultesi-ogretim-uyeleri-doga-egitimi-verdi.html>





Forestry panel in the World and Turkey (20.03.2018) – Link: <http://greenmetrics.bartın.edu.tr/haberler/dunyada-ve-turkiyede-ormanciligin-gundemi-konusuldu.html>





**Forests and Forestry
Exhibition (20.03.2018)**

– Link:

<http://greenmetrics.bartın.edu.tr/haberler/ormanlarimiz-ve-ormancilik-sergisi.html>





**Büyükkızilkum
Coastal Cleaning
Activity (30.04.2018) –**

Link:

<https://greenmetricsen.bartin.edu.tr/haberler/buyukkizilkum-coastal-cleaning-activity.html>



Tree Planting Event at Kutlubey Campus for a Green University
(05.04.2018) – Link:
<http://greenmetrics.bartın.edu.tr/haberler/daha-yesil-universite-icin-kutlubey-kampusunde-fidan-dikim-etkinligi.html>

<https://w3.bartın.edu.tr/haberler/daha-yesil-bir-kampus-icin-fidan-diktiler.html>





IV. Environmental Engineering Project Event (09.05.2018) –

Link:

<http://greenmetrics.bartın.edu.tr/haberler/iv.-cevre-muhendisligi-proje-etkinligi-gerceklestirildi.html>

<https://cevre.bartın.edu.tr/etkinlikler/v.-cevre-muhendisligi-proje-etkinligi-04265903.html>




BARTIN ÜNİVERSİTESİ
II. AR-GE PROJE PAZARI
 11 Mayıs 2018 / Bartın

Ana Temalar

- ✓ Bilişim Teknolojileri
- ✓ Biyomedikal / Biyoteknoloji
- ✓ Çevre Teknolojileri
- ✓ Endüstriyel Malzeme Üretimi ve Uygulamaları
- ✓ Elektrik Elektronik Teknolojileri
- ✓ Enerji ve Alternatif Enerji
- ✓ Gıda Teknolojileri
- ✓ Gemi İnşa Teknolojileri
- ✓ İleri Malzeme Üretimi ve Uygulamaları
- ✓ Kimya / İlaç Teknolojileri
- ✓ Makine Teknolojileri
- ✓ Orman Endüstrisi
- ✓ Odun Dışı Orman Ürünleri
- ✓ Sürdürülebilir ve Akıllı Kentler
- ✓ Tekstil Teknolojileri
- ✓ Yapı Malzemeleri Üretimi ve Uygulamaları
- ✓ Yenilenebilir Enerji Kaynakları
- ✓ Yeşil Kimya ve Mühendisliği

Son Başvuru: 16 Nisan 2018

Ödüller	Ödül Tutarları	Önemli Tarihler
Birincilik	: 6.000 TL	16 Nisan 2018 : Proje Özetlerinin Son Gönderilme Tarihi
İkincilik	: 4.000 TL	30 Nisan 2018 : Ön Değerlendirme Sonuçlarının İlanı
Üçüncülük	: 2.000 TL	07 Mayıs 2018 : Poster Teslimi
Mansiyon	: 1.000 TL	11 Mayıs 2018 : Proje Sergisi ve Proje Yangıması
		11 Mayıs 2018 : Ödül Töreni

Destek veren kurum ve kuruluşlar






II. R & D (Research and Development) Project Market

(11.05.2018) – Link:
<https://w3.bartın.edu.tr/haberler/ii.arge-projepazarında-en-iyi-projeler-odullendirildi.html>

<https://w3.bartın.edu.tr/haberler/ii.argeprojepazarinatubitaktandestek.html>



Güzelcehisar Coastal Cleaning Activity

(12.05.2018) – Link:
<https://bartın.csb.gov.tr/guzelcehisar-da-kiyi-temizligi-etkinligi-haber-225945>



Adana Bicycle Workshop (25.05.2018)

– Link:

<https://greenmetrics.bartın.edu.tr/duyurular/adana-bisiklet-calistayi.html>



TÜBİTAK 4004 Nature Education and Science Schools Program (19.07.2018) – Link:

– Link:

<http://greenmetrics.bartın.edu.tr/haberler/tubitak-4004-doga-egitimi-ve-bilim-okullari-programi.html>

<https://w3.bartın.edu.tr/haberler/tubitak-4004-doga-egitimi-ve-bilim-okullari-programi.html>



**Bartın University
Kutlubey Campus
Cycling Tour**
(22.09.2018) – Link:
<https://www.facebook.com/events/248923979101825/>



2nd Meeting for "Zero Waste" Project
(04.10.2018) – Link:
<http://greenmetrics.bartın.edu.tr/haberler/universitemizde-uygulanacak-olan-sifir-atik-projesi-icin-2.-toplanti-duzenlendi.html>



Our 1st Electrical Car (Çeşm-i Cihan) Participated to the Efficiency Challenge
(06.08.2018) – Link:
<http://greenmetrics.bartın.edu.tr/haberler/cesmi-cihan-yuvaya-dondu.html>



**Bartın University
Kutlubey Campus
Pond and Surrounding
Area Project Work**
(01.10.2018) – Link:
<http://peyzaj.bartın.edu.tr/haberler/b.u.-kutlubey-kampusu-golet-ve-yakin-cevresi-proje-calismasi-yapildi.html>



**Ulus Vocational School
realized“Our Lesson in
Nature” activity**
(04.10.2018) – Link:
<http://greenmetrics.bartın.edu.tr/haberler/ulus-meslek-yuksekokulu-ulus-myo-dersimiz-dogada-etkinligi-gerceklestirildi.html>



<https://w3.bartın.edu.tr/haberler/ulus-myo-ogrencileri-dogada-ders-islediler.html>



Recent Developments in Landscape Architecture Applications

(17.10.2018) – Link:
<http://peyzaj.bartın.edu.tr/haberler/carsamba-soylesilerinin-ikincisi-gerceklesti.html>



"Zero Waste" Project Information Presentation

(13.12.2018) – Link:
<http://cevre.bartın.edu.tr/haberler/cevre-muhendisligi-ogrencilerine-sifir-atik-projesi-hakkinda-bilgilendirme-sunumu-yapildi.html>



Ecological Neighborhood Design for Sustainable

(13.12.2018) – Link:
<http://peyzaj.bartın.edu.tr/haberler/carsamba-soylesileri-prof.-dr.-h.-selma-celikyay-surdurulebilir-yerlesmeler-icin-ekolojik-mahalle-tasarimi.html>



**Opening Ceremony of
Zero Waste Project**
(28.12.2018) – Link:
<https://w3.bartın.edu.tr/haberler/universitemiz-sifir-atik-projesi-acilis-toreni-gerceklestirildi.html>

28 Aralık 2018
Saat: **14.30**

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Bartın University's academic staff continues their scientific studies in different branches and as a result of these studies, hundreds of articles, papers and books are produced every year. Among these studies, dozens of them are **Sustainability** oriented publications.

Publications in 2018:

1- Estimation of global wood pellet production as a renewable energy source by ARIMA method (Kurt, R., Imren, E., Cabuk, Y., & Karayilmazlar, S. (2018). Estimation of global wood pellet production as a renewable energy source by ARIMA method. *Fresenius Environmental Bulletin*, 27(7), 5147-5152.)

2- Energy Analysis of Solid Waste Fueled Cogenerative Organic Rankine Cycle for Different Working Fluids (USTAOĞLU, A., TORLAKLI, H., & ERDOĞMUŞ, E. (2018). Energy Analysis of Solid Waste Fueled Cogenerative Organic Rankine Cycle for Different Working Fluids. *International Journal of Natural and Engineering Sciences (IJNES)* E-ISSN: 2146-0086, 9(2), 27-30.)

3- Yeni bir Birleşik Parabolik İvolüt Yoğunlaştırıcının Termal Üniformluğunda Kesme Etkisi (USTAOĞLU, A., OKAJIMA, J., ÖZBEY, U., ZHANG, X. R., & MARUYAMA, S. (2018). Yeni bir Birleşik Parabolik İvolüt Yoğunlaştırıcının Termal Üniformluğunda Kesme Etkisi. *Mühendislik ve Teknoloji Bilimleri Dergisi*, 6(1), 49-53.)

4- Optimal Energy Recovery from Water Distribution Systems Using Smart Operation Scheduling (Telci, I., & Aral, M. (2018). Optimal Energy Recovery from Water Distribution Systems Using Smart Operation Scheduling. *Water*, 10(10), 1464.)

5- Global warming and climate change: a practical study on Bartın, Zonguldak and Düzce (Bolat, I., Kara, Ö., & Tok, E. (2018). Global warming and climate change: a practical study on Bartın, Zonguldak and Düzce. *Bartın Orman Fakültesi Dergisi*, 20(1), 116-127.)

6- Global warming awareness" sample of Bartın University students". (Durkaya, B., & Durkaya, A. (2018). Global warming awareness" sample of Bartın University students". *Bartın Orman Fakültesi Dergisi*, 20(1), 128-144.)

7- Advances in the Assessment of Climate Change Impact on the Forest Landscape (Öztürk, M., Palta, Ş., & Gökyer, E. (2018). Advances in the Assessment of Climate Change Impact on the Forest Landscape. *New Perspectives in Forest Science*, 167.)

8- Truncation effects in an evacuated compound parabolic and involute concentrator with experimental and analytical investigations (Ustaoglu, A., Okajima, J., Zhang, X. R., & Maruyama, S. (2018). Truncation effects in an evacuated compound parabolic and involute concentrator with experimental and analytical investigations. *Applied Thermal Engineering*, 138, 433-445.)

<https://doi.org/10.1016/j.applthermaleng.2018.04.062>



Applied Thermal Engineering
Volume 138, 25 June 2018, Pages 433-445



Research Paper

Truncation effects in an evacuated compound parabolic and involute concentrator with experimental and analytical investigations

Abid Ustaoglu ^a, Junnosuke Okajima ^b, Xin-Rong Zhang ^c, Shigenao Maruyama ^b

9- Anaerobic digestion of chicken manure: Mitigating process inhibition at high ammonia concentrations by selenium supplementation (Molaey, R., Bayrakdar, A., Sürmeli, R. Ö., & Çalli, B. (2018). Anaerobic digestion of chicken manure: Mitigating process inhibition at high ammonia concentrations by selenium supplementation. *Biomass and Bioenergy*, 108, 439-446.)

10- Analysis of land use/land cover changes following population movements and agricultural activities: a case study in northern Turkey (Şen, G., & Güngör, E. (2018). Analysis of land use/land cover changes following population movements and agricultural activities: a case study in northern Turkey. *Applied Ecology and Environmental Research*, 16(2), 2073-2088.)

All of our publications in 2018:

<https://greenmetricsen.bartın.edu.tr/haberler/our-academic-publications-on-environment-and-sustainability-2018.html>

Publications in 2017:

1- Syntheses, structures, dye adsorption properties and molecular dynamics simulations (Güneş Günay Sezer, Mürsel Arıcı, İlknur Erucar, Okan Zafer Yeşilel, Handan Uçun Özel, Betül Tuba Gemici, Hakan Erer, Zinc(II) and cadmium(II) coordination polymers containing phenylenediacetate and 4,4'-azobis(pyridine) ligands: Syntheses, structures, dye adsorption properties and molecular dynamics simulations, Journal of Solid State Chemistry, Volume 255, 2017, Pages 89-96,)

2- Land Use Suitability Classification for the Actual Agricultural Areas within the Bartın Stream Watershed of Turkey (Öztürk, M. (2017). Land Use Suitability Classification for the Actual Agricultural Areas within the Bartın Stream Watershed of Turkey. Periodicals of Engineering and Natural Sciences, 5(1).)

3- Change of temperature and precipitation in Kastamonu, Karabük and Bolu between 1980-1999 and 2000-2015 years. (Bolat, İ., Kara, Ö., & Tok, E. (2017). Change of temperature and precipitation in Kastamonu, Karabük and Bolu between 1980-1999 and 2000-2015 years. Bartın Orman Fakültesi Dergisi, 19(1), 276-289.)

4- Removal and recovery of ammonia from chicken manure (Sürmeli, R. Ö., Bayrakdar, A., & Çalli, B. (2017). Removal and recovery of ammonia from chicken manure. Water Science and Technology, 75(12), 2811-2817.)

5- SUSTAINABLE YACHT TOURISM PRACTICES (Sevinç, F., & Güzel, T. (2017). SUSTAINABLE YACHT TOURISM PRACTICES. Management & Marketing Journal, 15(1).)

6- The Village-Based Determination of Ecotourism Potential of the Küre Mountains National Park (Görmüş, S., Atmış, E., Günşen, H. B., Artar, M., Özkazanç, N. K., & Cengiz, S. The Village-Based Determination of Ecotourism Potential of the Küre Mountains National Park. Uluslararası Türk Dünyası Turizm Araştırmaları Dergisi, 2(2), 161-174.)

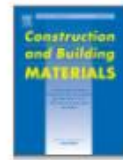
7- Concretes with synthetic aggregates for sustainability (Tekin, I., Durgun, M. Y., Gencil, O., Bilir, T., Brostow, W., & Lobland, H. E. H. (2017). Concretes with synthetic aggregates for sustainability. Construction and Building Materials, 133, 425-432.)

<https://doi.org/10.1016/j.conbuildmat.2016.12.110>



Construction and Building Materials

Volume 133, 15 February 2017, Pages 425-432



Concretes with synthetic aggregates for sustainability

Ilker Tekin ^a, Muhammed Yasin Durgun ^b, Osman Gencil ^b, Turhan Bilir ^c, Witold Brostow ^d ✉, Haley E. Hagg Lobland ^d

8- Recycled cellulose from Tetra Pak packaging as reinforcement of polyester based composites (Martínez-Barrera, G., Martínez-López, M., González-Rivas, N., del Coz-Díaz, J. J., Ávila-Córdoba, L., dos Reis, J. M. L., & Gencel, O. (2017). Recycled cellulose from Tetra Pak packaging as reinforcement of polyester based composites. *Construction and Building Materials*, 157, 1018-1023.)

9- Evaluation of biomass use in terms of energy, environment, health and economy (Sözen, E., Gündüz, G., Aydemir, D., & Güngör, E. (2017). Evaluation of biomass use in terms of energy, environment, health and economy. *Bartın Orman Fakültesi Dergisi*, 19(1), 148-160.)

10- Biogas production from chicken manure: Co-digestion with spent poppy straw (A Bayrakdar, R Molaey, RÖ Sürmeli, E Sahinkaya, B Çalli, Biogas production from chicken manure: Co-digestion with spent poppy straw, *International Biodeterioration & Biodegradation* 119, 205-210)

All of our publications in 2017:

<https://greenmetricen.bartın.edu.tr/haberler/our-academic-publications-on-environment-and-sustainability-2017.html>

Publications in 2016:

1- Bartın Irmağı Kirlilik Profilinin Fiziksel Parametrelerle Belirlenmesi (ÖZEL, H. U., & GEMİCİ, B. T., Bartın Irmağı Kirlilik Profilinin Fiziksel Parametrelerle Belirlenmesi, Mehmet Akif Ersoy Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 7(1): 52-58 (2016))

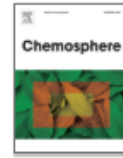
2- The effects of dusts of bartin cement factory on Taurus Cedar (Cedrus libani A. Rich.) seeds' germination (Ozel, H. U. (2016). The effects of dusts of bartin cement factory on Taurus Cedar (Cedrus libani A. Rich.) seeds' germination. Journal of environmental biology, 37(6), 1331.)

3- Evaluation of background soil and air polychlorinated biphenyl (PCB) concentrations on a hill at the outskirts of a metropolitan city (S. Levent Kuzu, Arslan Saral, Gülten Güneş, Aykut Karadeniz, Evaluation of background soil and air polychlorinated biphenyl (PCB) concentrations on a hill at the outskirts of a metropolitan city, Chemosphere, Volume 154, 2016, Pages 79-89,)

<https://doi.org/10.1016/j.chemosphere.2016.03.095>



Chemosphere
Volume 154, July 2016, Pages 79-89



Evaluation of background soil and air polychlorinated biphenyl (PCB) concentrations on a hill at the outskirts of a metropolitan city

S. Levent Kuzu ^a, Arslan Saral ^a, Gülten Güneş ^b, Aykut Karadeniz ^a

4- ECOTOURISM AND ETHICS IN PROTECTED AREAS: BARTIN-SOGUTLU VILLAGE (Aciksoz, S., Bollukcu, P., & Celik, D. (2016). Ecotourism and ethics in protected areas: Bartın-Sogutlu village. Oxid. Commun, 39, 3621-3636.)

5- Evaluation of Parks in Bartın-Turkey: Need for Green Infrastructure Approach (Artar, M. (2016). Evaluation of Parks in Bartın-Turkey: Need for Green Infrastructure Approach. In Proceedings of the Fábos Conference on Landscape and Greenway Planning (Vol. 5, No. 2, p. 58).)

6- Ekorota Bartın: Doğal ve kültürel koridorların haritalanması (Görmüş, Sevgi; Özkazanç, Nuri Kaan; Günşen, Hikmet Batuhan; Artar, Mustafa; Atmış, Erdoğan, (2016), Ekorota Bartın: Doğal ve kültürel koridorların haritalanması, Bartın Üniversitesi)

7- Effect of olive mill waste addition on the properties of porous fired clay bricks using Taguchi method (Sutcu, M., Ozturk, S., Yalamac, E., & Gencel, O. (2016). Effect of olive mill waste addition on the properties of porous fired clay bricks using Taguchi method. Journal of environmental management, 181, 185-192.)

8- Strategies on Sustainability of Historical and Cultural Heritage in Amasra, Turkey (Çelikyay, H.S. (2016). Strategies on Sustainability of Historical and Cultural Heritage in Amasra, Turkey. International Journal of Cultural and Social Studies, 2, 104-116.)

9- Environmental and Economic Analysis of A Rainwater Harvesting System at Marmara University (RÖ Sürmeli, Environmental and Economic Analysis of A Rainwater Harvesting System at Marmara University, Engineering Approaches on Sustainability, p.151, 2016)

10- Ecological Approach to Rural Development (BOLLUKCU, P., & AÇIKSÖZ, S. (2016). Ecological Approach to Rural Development. Environmental Sustainability and Landscape Management, 512.)

All of our publications in 2016:

<https://greenmetricsen.bartın.edu.tr/haberler/our-academic-publications-on-environment-and-sustainability-2016.html>