

BARTIN UNIVERSITY SUSTAINABILITY REPORT

2018



Bartın University Sustainability Report

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 work on the scope of GreenMetric World Environmentally Friendly Universities Ranking. 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 will be 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.

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.



Ağdacı Campus



Kutlubey Campus



Ulus Campus



Kurucaşile Campus



Ağdacı, Kutlubey, Ulus and Kurucaşile (Bartın University, Turkey)

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 lighthening



A plus



Automatic doors

Automatic fire alarm sensor system

(Bartın University, Turkey)

Awareness practices are carried out to obtain energy from renewable energy sources.



Electric vehicle

Rechargeable sunflower solar panel bench for phone etc.

(Bartın University, Turkey)

With the electric vehicle prepared by mechanical engineering students and consultants was participated in the national competition and won an award.



Natural ventilation and lightening
(Bartın University, Turkey)

All living areas have openable windows to provide natural ventilation. Since the gallery system is glass, natural lighting is provided throughout the day in the corridor and also in breath-taking areas (No lighting element is used). There is an energy manager in our University. The energy manager was included in the training program at the Ministry of Energy. Heat insulation of all buildings are done and heat losses are prevented. Thus, the amount of fuel used in winter season is minimized. Natural wool materials are used in insulation.

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.



Waste recycling program
(Bartın University, Turkey)

Within the scope of waste reduction program

1. E-signature system
2. Double-sided printing
3. Zero waste application
4. Joint printer usage policy
5. Glass cup use
6. It is preferred to use the back face of printed papers, etc.

The screenshot shows a web-based document management system. On the left, there is a sidebar with a list of documents, including 'Mühendislik Fakültesi' and 'Çevre Mühendisliği Bölümü'. The main area displays a document titled 'Üst Yazı' (Cover Letter) from Bartın University, dated 01/10/2018. The document is signed by Prof. Dr. Mehmet Mustafa ARAL, Dekan V. The interface includes search, filter, and download options.

1. <https://ubys.bartın.edu.tr/>

Program to reduce the use of paper and plastic on campus (Bartın University, Turkey)

There is a biological treatment plant for the treatment of the waste water produced in the campuses.



Package treatment system (Bartın University, Turkey)

Water Resources

In order to save water a program has been created in Bartın University. For this purpose, an artificial 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.

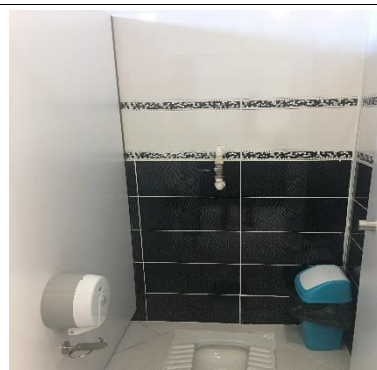


The rain water lines from the buildings were finished and the natural pond building project was completed.



Since there is an automatic irrigation system in green areas, water is saved by watering in appropriate hours.

(Bartın University, Turkey)



1. Water Efficient Devices used in the Campus Buildings (Flow Reducer)



2. Low water and electric consuming cleaning tool
(Bartın University, Turkey)

Transportation

In order to reduce the vehicle use, a public transport network with a ring service is in use in Bartın University.

AĞDACI CAMPUS PERSONNEL SERVICE			KUTLUBEY YAZICILAR CAMPUS RING ROUTE		
STOPS	INITIAL LOCATION AND PERSONNEL SERVICE ROUTE	DEPARTURE TIME	STOPS	INITIAL LOCATION AND RING ROUTE	DEPARTURE TIME
1. Stop	CAMPUS	07:45	1. Stop	CAMPUS	07:45
2. Stop	TÜRBE IŞIKLAR	07:53	2. Stop	MYO	07:50
3. Stop	BALAMBA HASTANE KAVŞAĞI	07:55	3. Stop	TÜRBE LOJMANLARI	07:52
4. Stop	ULUS DURAĞI	07:57	4. Stop	ADLIYE LOJMANLARI	07:54
5. Stop	ORDU YERİ KÖPRÜSÜ	07:59	5. Stop	AKTIP	08:00
6. Stop	YALI	08:01	6. Stop	FORD BAYIİ	08:05
7. Stop	MİLLİ EĞİTİM MÜDÜRLÜĞÜ	08:03	7. Stop	TOKSÖZLER PETROL	08:07
8. Stop	AKTIP	08:07	8. Stop	MİMAR SİNAN DERSLİĞİ	08:16
9. Stop	ÖZEL İDARE	08:11			
10. Stop	A 101 DURAĞI	08:13			
11. Stop	AFAD	08:15			

Sample route (<http://imid.bartın.edu.tr/ulasim.html>)



Free shuttle service (Bartın University, Turkey)



1. Bicycle path

2. Canoes and boats

120 bikes are provided free of charge for pretenders.



Pedestrian routes are safe and disabled friendly.

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.

PANEL

KÜRESEL İKLİM DEĞİŞİMİ VEYİLENEBİLİR ENERJİNİN ÖNEMİ

22 Aralık 2017 14:00
Sakarya Konferans Salonu

TEKNOLOJİK HAZIRLIK
Prof. Dr. Nurgül SARIÇOCULU
Mühür Otomotiv

SONUÇSUNUMLAR
Prof. Dr. İsmail YILMAZ
Mühür Otomotiv

THE 10th ISEKON 2017
Sakarya Konferans Salonu

THE 10th ISEKON 2017
Sakarya Konferans Salonu

THE 10th ISEKON 2017
Sakarya Konferans Salonu



Bağcıoğlu Üniversitesi

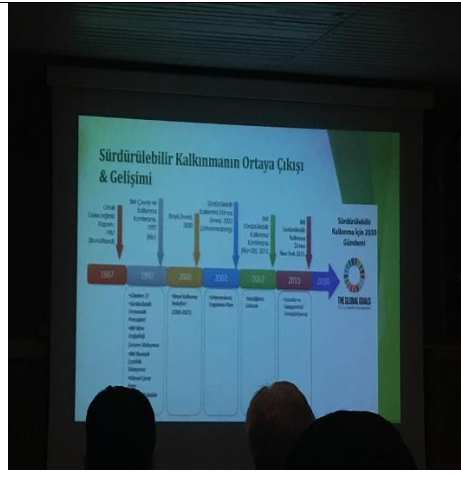
DÜNYADA ve TÜRKİYE'DE SÜRDÜRÜLEBİLİR GELİŞME HEDEFLERİ

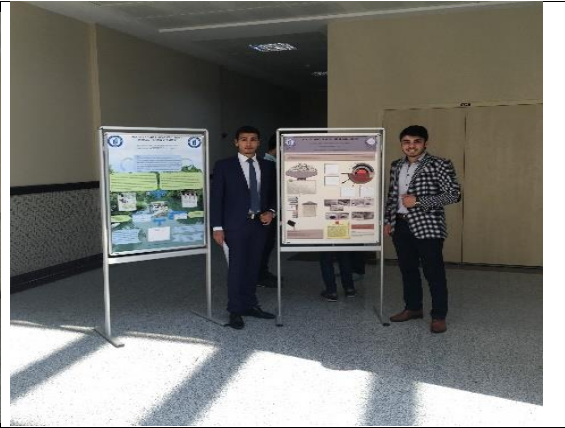
Prof. Dr. Tüzin BAYCAN
İstanbul Teknik Üniversitesi
Mimarlık Fakültesi Öğretim Üyesi

10 OCAK 14:00 - Konferans Salonu

DÜNYADA ve TÜRKİYE'DE SÜRDÜRÜLEBİLİR GELİŞME HEDEFLERİ

Üniversitemizde düzenlenen konferansta konuşan İTÜ Öğretim Üyesi Prof. Dr. Tüzin BAYCAN "Sürdürülebilir Gelişme Hedefleri" konusunda yurt içi ve yurt dışında yapılan çalışmalarından bahsetti.





Bilimsel Genaratif ve Vegetatif Üretim Eğitim Programı

22 Eylül 2017

08:00 Öğr. Dr. Mustafa İnan ÖZEL - "Çiğnem Keleşiminde Üremesi Fidan Üretiminde Gerekli Olan" - "Çiğnem Keleşiminde Üremesi Fidan Üretiminde Gerekli Olan" - "Çiğnem Keleşiminde Üremesi Fidan Üretiminde Gerekli Olan"

08:45 Öğr. Dr. Çiğdem YILMAZ - "Pezirge Mimarlığında Kültürel Değerlerin Korunması ve Yeniden Yaşatılması İçin Çeşitli Çözümler" - "Pezirge Mimarlığında Kültürel Değerlerin Korunması ve Yeniden Yaşatılması İçin Çeşitli Çözümler"

09:30 - Çay Kahve Arası

10:00 Prof. Dr. Nurettin ÖZEL - "Bilimsel Üretimde Gerekli Farklı Üretim Yöntemleri ve Üretim Süreçleri Üzerinde Durulması" - "Bilimsel Üretimde Gerekli Farklı Üretim Yöntemleri ve Üretim Süreçleri Üzerinde Durulması"

11:00 Öğr. Dr. Mustafa İnan ÖZEL - "Çiğnem Keleşiminde Üremesi Fidan Üretiminde Gerekli Olan" - "Çiğnem Keleşiminde Üremesi Fidan Üretiminde Gerekli Olan"

11:45 Öğle Arası

12:00 Öğr. Dr. Çiğdem YILMAZ - "Pezirge Mimarlığında Kültürel Değerlerin Korunması ve Yeniden Yaşatılması İçin Çeşitli Çözümler" - "Pezirge Mimarlığında Kültürel Değerlerin Korunması ve Yeniden Yaşatılması İçin Çeşitli Çözümler"

13:45 Prof. Dr. Nurettin ÖZEL - "Bilimsel Üretimde Gerekli Farklı Üretim Yöntemleri ve Üretim Süreçleri Üzerinde Durulması" - "Bilimsel Üretimde Gerekli Farklı Üretim Yöntemleri ve Üretim Süreçleri Üzerinde Durulması"

14:30 - Çay Kahve Arası

15:00 Öğr. Dr. Mustafa İnan ÖZEL - "Çiğnem Keleşiminde Üremesi Fidan Üretiminde Gerekli Olan" - "Çiğnem Keleşiminde Üremesi Fidan Üretiminde Gerekli Olan"

16:45 Prof. Dr. Nurettin ÖZEL - "Bilimsel Üretimde Gerekli Farklı Üretim Yöntemleri ve Üretim Süreçleri Üzerinde Durulması" - "Bilimsel Üretimde Gerekli Farklı Üretim Yöntemleri ve Üretim Süreçleri Üzerinde Durulması"

17:00 Öğr. Dr. Mustafa İnan ÖZEL - "Çiğnem Keleşiminde Üremesi Fidan Üretiminde Gerekli Olan" - "Çiğnem Keleşiminde Üremesi Fidan Üretiminde Gerekli Olan"

17:45 Öğle Arası

18:00 Öğr. Dr. Mustafa İnan ÖZEL - "Çiğnem Keleşiminde Üremesi Fidan Üretiminde Gerekli Olan" - "Çiğnem Keleşiminde Üremesi Fidan Üretiminde Gerekli Olan"

BİLİMLERİN GENERATİF VE VEJETATİF ÜRETİMİ EĞİTİM PROGRAMI
— 19-22 Eylül 2017-BARTIN —

www.muhim.gov.tr



1. Organic farming training for farmers,
<https://bartin.tarim.gov.tr/Haber/213/Ciftcilerimize-Organik-Tarim-Egitimi>
 2. " Salep station Kozcağız",
<http://www.bartın.info/tarim/salep-duragi-kozcağiz-protokolu-imzalandi-h22634.html>
 3. Küre Mountains National Park, technical trip,
http://myo.bartın.edu.tr/haber_goster.php?olay_ID=3
 4. Gökçebey Nursery and Şeker Canyon, technical trip,
http://myo.bartın.edu.tr/haber_goster.php?olay_ID=31
- Vb.

Environment and Sustainability Related Activities (Bartın University, Turkey)