



SDG 13 - CLIMATE ACTION

The international rating agency Times Higher Education (THE), within the scope of Climate Action, which is the SDG 13 label, Üsküdar University has been registered with its work in this field and has earned the right to be listed. SDG 13 - Climate Change is one of the 17 Sustainable Development Goals set by the United Nations General Assembly in 2015. Its aim is to 'take urgent action to combat climate change and its impacts'.

Our University is aware of sustainable environmental sensitivities and attaches importance to all the arrangements that need to be made in the process of solving this problem. As Üsküdar University, we are aware that we have a critical role in addressing SDG 13 by conducting research, education, advocacy and sustainable practices that combat climate change and its impacts. We believe that our efforts will make a significant contribution to a more sustainable future for our world.

- Low-Carbon Sources

-Does your university as a body measure the amount of low carbon energy used across the university?

Energy resources include electricity, water, natural gas, heating and cooling systems, power consumption of technological devices used by the university. The conscious use of energy resources contributes to the achievement of the university's sustainability goals, reduces the damage to nature and ensures more efficient use of the university budget. The university applies saving measures in the consumption of all energy resources. The fact that there has been a decrease in the energy resources used is an indication that the awareness of students and staff has increased as a result of the trainings and unnecessary energy use has been prevented. Solar energy panels, one of the renewable energy sources, are located in the health campus. In addition, LED lights with low electricity consumption are used in the lighting of the Health Campus.

- Total energy used: 19.875

- Total energy used from low-carbon sources: 317

- Environmental Education Measures

-Does your university as a body provide local education programmes or campaigns on climate change risks, impact reduction and early warning?

1. The University is giving education programs to reduce the risks and impacts of climate change.

In recent years, courses on climate-related topics have been integrated into the curriculum of nursing and midwifery departments. This addition aims to enhance students' awareness of



the impact of climate change on public health, as well as its effects on vulnerable populations like pregnant women and newborns. By incorporating these subjects, the curriculum fosters climate awareness among future healthcare professionals. It prepares them to advocate for sustainable practices in healthcare settings and equips them with the knowledge to support affected communities. This also encourages students to develop preventive and adaptive strategies to mitigate the health risks associated with changing environmental conditions.

Climate Change and Health**: This course examines the effects of climate change on health. <https://cdn.uskudar.edu.tr/uploads/files/2023/07/14/2023-2024-hemsirelik-bolumu-mufredati.pdf>

Environmental Policies and Legislation**: This is a course that focuses on environmental management and policies. https://cdn.uskudar.edu.tr/uploads/files/2024/08/16/cevre-sagligi-2024-2025-mufredati.pdf? gl=1*1rys0ap* gcl aw*R0NMLjE3MjYyMjU3NDAuRUFJYUIRb2JDaE1JMVbfcjJ1T19pQU1WQVU5SEFSM3lLamtTRUFBWUFTQUFFZ0t5b1BEX0J3RQ..* gcl au*MjEyMzcwNjM0MS4xNzIzNDM1MDM5* ga*MjAwNTYxNjQwMi4xNzI3Njg0OTQ0* ga XYL5XFKGBN*MTcyOTUwMTc4Ni42My4xLjE3Mjk1MDM2NjAuNTguMC4w* ga 8432P7KQCN*MTcyOTUwMTc4Ni42My4xLjE3Mjk1MDM2NjAuNTguMC4w

Air Pollution and Control**: This is a course that deals with air pollution-related problems and control methods. <https://cdn.uskudar.edu.tr/uploads/files/2020/07/22/cevre-sagligi-2020-2021-mufredati.pdf>

Climate topics are being discussed in the courses of nursing and midwifery departments. <https://sis.uskudar.edu.tr/oibs/bologna/index.aspx?lang=tr&curOp=showPac&curUnit=03&urSunit=1019#>

<https://sis.uskudar.edu.tr/oibs/bologna/index.aspx?lang=tr&curOp=showPac&curUnit=03&urSunit=18#>

2. At the Faculty of Communication at Üsküdar University, as part of the "News Workshop Days," the Editor-in-Chief of Yeşil Gazete, Alev Karakartal, addressed climate change issues in the "Climate Journalism Workshop." Karakartal emphasized that climate does not change solely with extreme temperatures and that global warming is linked to the increase in greenhouse gases, particularly carbon dioxide emissions. She pointed out that while meteorology studies short-term weather events, climate examines long-term processes, highlighting the importance of approaching climate change from a scientific perspective. Link; <https://uskudar.edu.tr/tr/icerik/43472/uskudar-iletisimde-8-ayri-oturumda-haber-atolyesi-gunleri-duzenlendi>

3. One of the working groups at Üsküdar University is developing projects focused on environmental awareness while considering the impact of climate change on health,



particularly in their efforts to promote, protect, and provide sustainable care for newborns, children, and adolescents. These efforts aim to encourage healthy lifestyle behaviors and sustainable health practices. Link; <https://uskudar.edu.tr/tr/calisma-grubu/yenidogan-cocuk-ve-adolesan-bakimi-calismalari-grubu>

4. The Chair of the Environmental Ethics Forum, Prof. Dr. İbrahim Özdemir, emphasizes that climate destruction is a serious environmental crisis characterized by rising temperatures, natural disasters, and the degradation of ecosystems. Özdemir states that this crisis leads to social and economic problems, highlighting that climate change plays a significant role in the increase of the refugee crisis, as people are forced to migrate due to the inability to meet their basic needs.

Link: <https://uskudar.edu.tr/tr/icerik/42885/iklim-krizini-durdurma-ve-hafifletme-mumkun>

5. Tarhan, explaining that the World Health Organization has pointed to three major dangers facing the world—income inequality, climate change, and loneliness—stated, "Loneliness is a silent danger. The effects of loneliness on individuals have become more understandable in recent years."

Link: <https://uskudar.edu.tr/tr/icerik/43391/sessiz-tehlike-yalnizlik>

6. A program titled "Green Transformation in the World of Science: Animal Rights and Veganism Summit" was organized by the Molecular Biology and Genetics Club of Üsküdar University, under the leadership of the Department of Health, Culture, and Sports. A study conducted by the University of Chicago revealed that our food choices have as much of an impact on global warming as our transportation choices.

Link: <https://uskudar.edu.tr/tr/icerik/43195/hayvan-haklari-ve-veganlik-felsefesi-ele-alindi>

7. Experts state that sudden and intense rainfall provides minimal contribution to both reservoirs and the replenishment of groundwater, noting that this is a fundamental reason for water shortages in many regions today. Dr. Ahmet Adiller highlighted that over the past 20 years, there have been long periods of drought and severe rainfall, emphasizing that the primary cause of today's water shortages is climate change.

Link: <https://uskudar.edu.tr/tr/icerik/42906/onumuzdeki-20-30-yilda-su-kitligi-yasayan-bir-ulke-olmamiz-bekleniyor>

8. Experts state that climate destruction is an environmental crisis characterized by rising global temperatures, an increase in natural disasters, and the degradation of ecosystems. Prof. Dr. İbrahim Özdemir, Chair of the Environmental Ethics Forum, also notes that climate destruction leads to social and economic issues. He adds, "The increasing number of refugees worldwide should also be viewed from this perspective. People who cannot meet their basic needs naturally leave their countries in search of a better life."



Link: <https://uskudar.edu.tr/tr/icerik/42885/iklim-krizini-durdurma-ve-hafifletme-mumkun>

9. Prof. Dr. Tarhan, speaking at the "International Symposium on Monitoring Children's Rights: Global Examples," stated, "Another issue that harms children's rights is war," referring to the children killed in Gaza. He also mentioned that the World Health Organization has identified three major dangers: global income inequality, climate change, and human loneliness.

Link: <https://uskudar.edu.tr/tr/icerik/42519/gazgede-oldurulen-cocuklar-uluslararası-cocuk-haklarının-izlenmesi-küresel-örnekler-sempozyumunun-da-gündeminde>

10. Referring to the "World Values Survey" published in Chicago, which identified the weakening of neighborhood ties as a danger facing humanity, Tarhan said, "At the Davos meeting in 2018, three dangers threatening humanity were mentioned: The first is economic inequality, the second is climate change, and the third is loneliness.

Link: <https://uskudar.edu.tr/tr/icerik/41410/prof-dr-nevzat-tarhan-konsuluk-hayati-kolaylastiriyor>

11. As the university preference marathon continues, Prof. Dr. Osman Çerezci, Dean of the Faculty of Engineering and Natural Sciences at Üsküdar University, highlighted the importance of engineering in addressing global issues like population growth, energy needs, and climate change. He emphasized the need for environmentally conscious technologies, stating, "The new world is looking for engineers who can adapt to environmental awareness, sustainability, and digitalization."

Link: <https://uskudar.edu.tr/tr/icerik/41272/yeni-dunya-cevreye-duyarli-muhendis-ler-istiyor>

12. Dr. Muhammet Enis Bulak, a faculty member of the Industrial Engineering Department at Üsküdar University, continues his international academic work. His study, published in the journal *Sustainability*, which is indexed in Scopus, aims to develop a structured database management system and visualization approach to analyze the food imports of Qatar between 2013 and 2018. In this study, Dr. Bulak addressed the impact of potential crisis situations on the diversity and sustainability of the food supply chain. The research aims to analyze how these factors specifically affect climate change, particularly evaluating the carbon emissions of the dairy sector over the years.

Link: <https://uskudar.edu.tr/tr/icerik/42333/dr-muhammet-enis-bulak-saglikli-ve-surdurulebilir-gida-sistemleri-amaclanmali>

13. Dr. Nuri Bingöl noted the striking statement by Andrew Ng, one of the prominent figures in artificial intelligence: "When I think about existential risks for much of humanity: the next pandemic, climate change, and the resulting mass population decline, another asteroid threat... Artificial intelligence will be a crucial part of our solutions. Therefore, if we want



humanity to survive and thrive over the next millennium, let's make sure AI works faster, not slower."

Link: <https://uskudar.edu.tr/tr/icerik/41132/yapay-zekada-yetki-tek-elde-mi-toplanmak-isteniyo>

14. At an event organized by the Department of Occupational Health and Safety at Üsküdar University, Dr. Uçan stated, "There is a way to stop climate change. We need to minimize the carbon footprint and work on raising public awareness and education. It may also be necessary to promote renewable energy sources and limit the use of fossil fuels.

Link: <https://uskudar.edu.tr/sbf/tr/etkinlik/1726/3-bolgedeki-ormanlara-dikkat>

15. Second-year students Rümeyza Sever and Hilal Akşan, continuing their education in the Department of Visual Communication Design at Üsküdar University, participated in an international design competition organized by the Faculty of Arts at Tarnów Academy in Poland. Under the guidance of Dr. Ezgi Şen, their works were deemed worthy of exhibition by the jury. In her piece, Akşan drew attention to one of the growing issues in the world: hunger. She stated that the hunger problem is becoming increasingly serious due to the combination of factors such as poverty, insufficient agricultural production, the climate crisis, war, and waste.

Link: <https://uskudar.edu.tr/tr/icerik/41035/uskudarli-iletisimcilerin-eserleri-tarnow-akademisi-sanat-fakultesinde-sergilenecek>

16. With the support of the Health, Culture, and Sports Department of Üsküdar University, the Çağın Vicdanı Club organized an event where Prof. Dr. Nevzat Tarhan, the founding rector of Üsküdar University, stated, "We take soil in our hands and see it as lifeless. No, two-thirds of it is alive, and they produce nitrogen. They are the ones that produce nitrogen in plants. For example, climate change has occurred, which is a rare event in history; it even snowed in the Sahara Desert."

Link: <https://uskudar.edu.tr/tr/icerik/12647/prof-dr-nevzat-tarhan-saika-ve-saika-beyinde-odul-ceza-sistemine-cok-benzio>

17. This year, the 6th Psychology Days, held under the theme "Human and Humanity in the Digital World," brought together experts in the field. The two-day program addressed various aspects of digitalization and humanity. Prof. Dr. Nevzat Tarhan noted that in 2019, three major dangers facing the world—climate change, global inequality, and loneliness—were highlighted at Davos.

Link: <https://uskudar.edu.tr/tr/icerik/12605/prof-dr-nevzat-tarhan-kuresel-narsisizm-insani-yalnizlastirio>



18. Prof. Dr. Nevzat Tarhan, the founding rector of Üsküdar University and a psychiatrist, was the guest at the "Understanding Positive Psychology" event organized by the Institute of Social Sciences at Üsküdar University. Discussing the topic of positive psychology, Tarhan stated, "At Davos, three issues were identified as critical areas for the future of the world: the first is climate change, the second is economic inequality, and the third is loneliness."

Link: <https://uskudar.edu.tr/tr/icerik/12510/prof-dr-nevzat-tarhan-degerler-deger-icerikli-egitimle-ogrenilir>

19. The "Environment, Religion and Culture in the Context of the 2030 Agenda for Sustainable Development" event was organized by Üsküdar University Faculty of Humanities and Social Sciences. The online event was attended by faculty member of the Philosophy Department of the Faculty of Humanities and Social Sciences, Prof. Dr. İbrahim Özdemir participated. Pointing out that the most important environmental problem is selfishness, greed and not thinking about others, Özdemir emphasized that the person should question himself in an existential sense.

Link: <https://uskudar.edu.tr/tr/icerik/43193/prof-dr-ibrahim-ozdemir-en-onemli-cevre-sorunu-bencillik-ac-gozluluk>

20. As part of "13-Climate Action," Professor İbrahim Özdemir, the director of the Environmental Ethics Department at Üsküdar University, actively participated in the following national and international events on climate change through keynote speeches, lectures, and panel discussions:

Keynote Speech: Qur'anic Ecology and Resonances with Laudato Si', London, October 19, 2023. <https://lsri.campion.ox.ac.uk/sites/default/files/2023-11/Özdemir%20Qur%27anic%20Resonances%20Response.pdf>

Panel Discussion: The Role of Migration in Addressing Economic and Ecological Crises, Cambiare rotta. I migranti e l'Europa, Università Cattolica del Sacro Cuore, Milan, September 28, 2023. <https://www.oasiscenter.eu/en/the-role-of-migration-in-addressing-economic-and-ecological-crises>

Keynote Speech: Unveiling the Making and Message of Al-Mizan: A Covenant for the Earth, Clark University, April 23, 2024. <https://www.clarku.edu/departments/sustainability-social-justice/event/unveiling-the-making-and-message-of-al-mizan-a-covenant-for-the-earth/>

Lecture: Post-Materialist Science and Its Promise for Environmental Awareness: Role of Religious Worldviews, International Conference on Post-Materialist and Holistic Science, April 7, 2023, Istanbul, Turkey. <https://uskudar.edu.tr/en/international-conference-on-post-materialist-and-holistic-science>



Roundtable: Faith and Climate Change: Towards a Research Agenda, Boston University, September 19-20, 2024.

<https://www.bu.edu/pardee/2024/09/21/upcoming-event-faith-and-climate-change-towards-a-research-agenda/>

-Does your university as a body have a university Climate Action plan, shared with local government and/or local community.

1. Our university has a Strategic action plan to develop and implement environmental sustainability strategies.

Link: <https://uskudar.edu.tr/tr/stratejik-plan-2024-2028>

2. Üsküdar University carries out projects with local administrations; Prof. Osman Çerezci said that electromagnetic pollution increasing due to technological developments has an impact on health of all living beings and noted that electromagnetic radiation factor must be also included besides the factor such as heat, isolation while apartments are built.

Link: <https://uskudar.edu.tr/en/icerik/12451/electromagnetic-pollution-increasing-due-to-technological-development-has-an-adverse-effect-on-health>

3. Students from the Nursing Department of Üsküdar University are carrying out activities to raise climate awareness in schools affiliated with the Ministry of National Education. The training conducted at Emrullah Turanlı Primary School covers topics such as oral and dental health, while also aiming to foster climate awareness in children. The educational modules are designed to instill environmental consciousness in students and increase awareness of climate change. Link; <https://uskudar.edu.tr/sbf/tr/etkinlik/1949/agiz-ve-dis-sagligi-egitimi>
4. The study titled "Examining the Relationship Between Climate Change Anxiety and Subjective Well-being in University Students" has been accepted as a TÜBİTAK project.

Üsküdar University carries out Tübitak student projects on climate change risks, impacts, mitigation, adaptation, mitigation and early warning; Investigation of the Relationship Between Climate Change Anxiety and Subjective Well-Being in University Students, 2023

<https://uskudar.edu.tr/akademik-personel/elcin-babaoglu>

5. As part of the Culture and Arts Events organized by the Turing and Automobile Association, the event titled "Psychology Talks" brought together students pursuing undergraduate and graduate studies from various universities in Istanbul. Tarhan emphasized that in the capitalist system, while some segments of society become wealthier, others experience extreme poverty. He stated, "Currently, the United Nations identifies the 'Three Major Threats Awaiting in the Future' as: First, climate change; second, global inequality, meaning economic inequality; and third, loneliness."



Link: [Prof. Nevzat Tarhan: "Brain does not help to one who is hopeless..."](#)

6. As part of the TÜBİTAK science talks, Dr. Nebiye Yaşar, Director of the Young Minds Academy at Üsküdar University, conducted the "I Have an Idea Too" hands-on science workshop. After the event, students came up with ideas such as "happy traffic," chairs that can be raised as much as needed for individuals with disabilities, and the widespread use of electric vehicles for everyone to combat the climate crisis.

Link: [Science workshop activities were held within the scope of TÜBİTAK...](#)

7. Tuğçe Oral's research project titled Field Study Emergency Support Program focusing on Natural Disasters below has been approved by TUBITAK (Turkish Scientific and Technological Research Council) and financial support has been provided.

- Does your university as a body participate in co-operative planning for climate change disasters, that may include the displacement of people both within a country and across borders, working with government?

Üsküdar University carries out the following activities in the cooperation process related to climate change disasters;

Environmental Health Expert and Üsküdar University Vocational School of Health Services Assistant Professor Ahmet Adil stated that Türkiye is experiencing a serious drought and that a significant amount of water can be saved with individual measures.

Link: <https://uskudar.edu.tr/en/icerik/42017/individual-measures-to-fight-with-the-global-water-crisis-can-be-a-savior>

The "Conference of the Parties" (COP28), also known as the "2023 Climate Change Conference," which is held in a different country each year, will take place in Dubai from November 30 to December 12, 2023. Before the event, Üsküdar University's Environmental Ethics Forum launched the report titled "COP28: Progress or Setback?" in New York. One of the report's authors, Prof. Dr. İbrahim Özdemir, stated, "This report calls on delegates and campaigners to prioritize action at this critical moment and to focus their efforts on negotiating a strong global climate agreement at the UN climate talks in Dubai."

Link: <https://uskudar.edu.tr/en/icerik/42331/cop28-progress-or-regression>

Üsküdar University hosted the 5th International Congress of Positive Psychology, focusing on the theme "Science of Kindness" and growth after earthquakes and trauma. In the congress, a "Manifesto for Post-Traumatic Growth as a Result of Earthquake" was announced, highlighting that traumatic events like the Kahramanmaraş earthquakes can lead to positive personal and societal growth, not just psychological harm. The manifesto emphasized using such events as opportunities to promote awareness, preparation, and coping skills across all age groups, encouraging societal development through collaboration and organization.



Link: <https://uskudar.edu.tr/en/icerik/9018/uskudar-university-earthquake-manifesto>

Within the scope of TÜBİTAK 1002-C Natural Disasters Focused Field Work Emergency Support Program, scientists from Üsküdar University made investigations in the earthquake region of Hatay. Within the scope of the project titled "Investigation of the Concentration of Respirable Dust in the Region Connected to the Destruction of Structures and Search-Rescue Activities after the Earthquake", the team carried out studies in the region and carried out dust measurements that cause lung cancer in occupational diseases during the search and rescue and debris removal stages.

Link: <https://uskudar.edu.tr/en/icerik/8974/uskudar-researchers-are-in-the-earthquake-region>

The removal of debris from collapsed buildings in the epicenter of the earthquake, Kahramanmaraş and its surrounding region, is ongoing. A team that included students from Üsküdar University's Forensic Sciences department and Autopsy Assistance program volunteered to support the identification of individuals recovered from the rubble. The students participated in the efforts in Hatay through the Forensic Medicine Institute, working in one-week shifts starting on February 21.

Link: <https://uskudar.edu.tr/tr/icerik/8995/uskudarli-adli-bilimciler-kimliklendirme-calismalari-icin-deprem-bolgesinde>

Under the coordination of Üsküdar University's Continuing Education Application and Research Center (ÜSEM), a training on "Psychological First Aid in Natural Disasters" was held. In the free training, Dr. Mert Akcanbaş, Director of ÜSEM and AİLEMER, discussed the importance of psychological first aid. Akcanbaş stated, "Psychological first aid is an approach that can be applied after disasters or other types of trauma to children, young people, adults, family members, or professionals dealing with these cases."

Link: <https://uskudar.edu.tr/tr/icerik/8932/dogal-afetlerde-psikolojik-ilk-yardim-nasil-olmali>

Pointing out the importance of the correct communication with the victims in natural disasters such as earthquakes, Public Health Specialist Prof. Haydar Sur said that a meticulous communication must be provided, trust must be ensured and correct information must be provided in right time by noting that communication with victims and the injured is often carried out by the officials via phone.

Link: <https://uskudar.edu.tr/en/icerik/8967/how-should-we-communicate-with-the-victims-of-natural-disasters>

The World Press Freedom Day Panel held at Üsküdar University focused on 'Earthquake Journalism' and discussed the role and responsibilities of the press in natural disasters such as earthquakes.



Link: <https://uskudar.edu.tr/tr/dunya-basin-ozgurlugu-gunu-paneli-deprem-haberciligi>

'Nursing Week Event' was organised under the leadership of Üsküdar University Faculty of Health Sciences and NP Istanbul Hospital. In the event organised within the scope of the University Culture course, the subject of 'Disaster Nursing' was discussed.

Link: <https://uskudar.edu.tr/tr/icerik/12546/yikici-depremin-ardindan-afet-hemsireligi-ele-alindi>

Hosted by the Uskudar University Faculty of Medicine, the Medical Student Congress, which was first held last year, had international participation this year. The theme of the congress was centered around earthquakes and determined as 'Medical Approach to Natural Disasters.' (This congress was started to be planned in 2022 and was held in 2023).

Link: ["Medical Approach to Natural Disasters"](#)

Breathable gas measurement was carried out in the earthquake area by a team consisting of faculty members of Üsküdar University Occupational Health and Safety Department.

Üsküdar University Faculty of Communication academics came together and prepared a 30-item 'Earthquake Journalism Guide' for social media users and journalists.

- Does your university as a body inform and support local or regional government in local climate change disaster/risk early warning and monitoring?

Üsküdar University has taken action for climate initiatives and in this direction, it carries out academic studies on climate, sustainability and environment in cooperation with local and regional administrators directly and indirectly.

1. The study titled "Examining the Relationship Between Climate Change Anxiety and Subjective Well-being in University Students" has been accepted as a TÜBİTAK project. Congress-Conference Name: 7th International, 11th National Congress of Psychiatric Nursing
2. Tuğçe Oral's research project titled Field Study Emergency Support Program focusing on Natural Disasters below has been approved by TUBITAK (Turkish Scientific and Technological Research Council) and financial support has been provided.

Academic studies on climate, sustainability, and environment are an indication of our commitment to the public on the problem;

3. Prof. Dr. Güler Cimete, a faculty member of Üsküdar University, Department of Midwifery, prepared a study on the climate crisis together with her graduate student and presented it as a paper at a congress.

<https://ebeogrkongre.atauni.edu.tr/wp-content/uploads/2020/11/KONGRE-KITABI.pdf>



4. Ecer, K.Çetin, M. Ülker, S.V.(2023). The Climate Crisis and Consumer Behavior: The Relationship between Climate Change Anxiety and Sustainable Consumption. Kahramanmaraş Sutcu Imam University Journal of Social Sciences 2023 20(2) 520–536

<https://doi.org/10.33437/ksusbd.1340526>

5. N. Kopacak, H. C. Güldorum and O. Erdiñ, "Development of Cost Minimization-Oriented Optimization Algorithm for Green Hydrogen Production in a Multi-Energy System Considering FCEV Availability," *2023 14th International Conference on Electrical and Electronics Engineering (ELECO)*, Bursa, Türkiye, 2023, pp. 1-5, doi: 10.1109/ELECO60389.2023.10415989.

Faculty members at our university actively engage in research and collaborative initiatives focused on renewable energy, systematically disseminating their findings to the public through peer-reviewed articles and academic presentations. As a faculty member, Research Assistant Nazmiye Kopacak likely engages in research that aligns with SDG 13, focusing on enhancing access to affordable, reliable, sustainable, and modern energy for all. Her profile includes details about her research interests, projects, and contributions to renewable energy.

<https://uskudar.edu.tr/en/academic-staff/nazmiye-kopacak>

<https://ieeexplore.ieee.org/document/10415989>

The establishment of the Power and Machines Laboratory under project number ÜÜBAP-YP-2023-002 marks a significant milestone for the Electrical-Electronics Engineering Department at Üsküdar University. Here's a refined overview highlighting its key aspects: The Power and Machines Laboratory has been established for students of the Faculty of Engineering and Natural Sciences, specifically within the Department of Electrical and Electronics Engineering. This lab represents a commitment to enhancing education and research in renewable energy and related technologies.

<https://uskudar.edu.tr/en/laboratories/189/power-and-machines-laboratory>

Master Thesis or Projects;

Comparative Study Between Dissolved Gas Analysis Techniques Applied to Transformer, Ms Thesis, 2023

<https://tez.yok.gov.tr/UlusalTezMerkezi/tezSorguSonucYeni.jsp>

Design of Harmonic Filter for Total Harmonics Distortion Control in Power System, Ms Thesis, 2023

<https://tez.yok.gov.tr/UlusalTezMerkezi/tezSorguSonucYeni.jsp> IoT Based on Energy Meter, Ms Project, 2023

-Does your university as a body collaborate with NGOs on climate adaption



Climate change is one of the major events affecting life on Earth. As Üsküdar University, combating this issue and achieving sustainable goals are among the responsibilities we have adopted. For these reasons, collaborative efforts have been made with NGOs on climate change and environmental issues.

1. Üsküdar University attaches importance to cooperation with NGOs. There are project studies on this subject.

Link: <https://uskudar.edu.tr/tr/icisleri-bakanligi-stklar-universitede-projesi-acilis-programi>

2. The Climate and Environment Club, one of the student clubs at Üsküdar University, organizes events aimed at addressing climate change.

Link: [Üsküdar Üniversitesi İklim ve Çevre Kulübü \(2024\) \(evepla.com\)](https://www.evepla.com/XX/Unknown/104260682117618/%C3%9Csk%C3%BCdar-%C3%9Cniversitesi-%C4%B0klim-ve-%C3%87evre-Kul%C3%BCb%C3%BC)

3. As part of the event, the movie WALL-E was screened, focusing on climate change and environmental issues. The film shared important insights and ideas about consumerism and the damage humans inflict on their natural environment.

4. Cooperation with UU Student Clubs

Üsküdar University Climate and Environment Club organized a nature walk and environmental cleaning event on the Islands with the Sustainable Development Club and Biruni University.

As part of the environmental event organized by the club, the garbage around the Islands was cleaned. They summarized their aim as raising awareness about "a cleaner world".<https://www.evepla.com/XX/Unknown/104260682117618/%C3%9Csk%C3%BCdar-%C3%9Cniversitesi-%C4%B0klim-ve-%C3%87evre-Kul%C3%BCb%C3%BC>

- Commitment to carbon neutral university

- Does your university as a body have a target date by which it will become carbon neutral according to the Greenhouse Gas Protocols?

- Achieve by: 2030

Currently, renewable energy is only used for water heating in the health campus. In addition, most of the lights used for campus lighting are LED lights equipped with solar panels. In this way, we produce an energy source by utilising the sun. This decision continues to be implemented in 2023.

Measures taken to increase the understanding of savings at our university:

1. No color printouts from the printer unless necessary,
2. Printouts from the printer are taken back-to-front,
3. Prefer "digital" use instead of "printed" programs, flyers, etc. at events,



4. Turning off computers, air conditioners and lights at the end of working hours,
5. Turn off air conditioning and lights when not in the office,
6. Keep the air conditioner off when the windows are open,
7. Operating the building heating at 50% capacity,
8. Reduce lights in corridors by 50%,
9. Turning off the external signage lighting of the building,
10. Turning off garden lighting after 00.00,
11. Turning off the lighting of the "Feeling Man" sculpture,
12. All computers to go into "sleep mode" when not in use,
13. Unplugging unused chargers in rooms,
14. Unplugging unused equipment in laboratories,
15. Preventing food waste in the cafeteria,
16. Removal of cardboard cups in tea shops,
17. All units to make savings-prioritized plans according to their own practices and uses,
18. Announcing reminders of the measures taken to increase the understanding of saving

Official enterprise documents for solar energy production

Our university is in the process of obtaining official establishment permits to produce its own energy by placing solar energy panels on land it owns. For this purpose, it is in the process of completing the official permit process with the Higher Education Institution and the Energy Market Regulatory Authority. Relevant documents are below.

Üsküdar University, which established a Zero Waste Management System in accordance with the Zero Waste Regulation came into force after being published in the Legal Newspaper of Türkiye, was entitled to receive a Zero Waste Certificate on June 8, 2021, with this initiative.

Link: <https://uskudar.edu.tr/tr/sifir-atik-belgelerimiz>

Üsküdar University waste tracking chart aims to contribute to waste management in a way that minimizes the harmful effects of waste on human health and the environment. In this regard, it has been decided that the data processed annually starting from 2021 will be shared digitally and made available to the public in accordance with the principle of transparency as of 2023. The follow-up chart, which provides measurable data for waste method-related studies, is followed by the Sustainability Coordination Office.