



BAU BAHÇEŞEHİR
UNIVERSITY

SDG 7: AFFORDABLE AND CLEAN ENERGY



2023–2024

BAU AT A GLANCE

Since its foundation in 1998, the vision of BAU has been to be a global university known for its contribution to scientific, technological, and cultural knowledge through innovative education models and research approaches that reflect international standards as well as service to society. Currently, BAU Global Network comprises of 6 universities (Istanbul, Washington D.C., Berlin, Cyprus, Batumi, Plymouth), 5 liaison offices (BAU Global Azerbaijan Jordan, Uzbekistan, Mongolia, Pakistan) and 5 language schools.

As one of the leading universities in Türkiye, BAU aims primarily to improve the living standards of the local and global society by integrating the sustainable development goals into its corporate processes and culture, educational programs, academic research practices and stakeholder collaborations. BAU with its staff members, students and alumni is a big academic community who are raised as good global citizens committed to each x and the world around them and always act with the utmost sense of ethics and social responsibility.

BAU WITH NUMBERS

- 7 campuses in Istanbul
- 10 faculties, 1 conservatory, 2 vocational schools
- 54 BA programs, 187 MA programs, 30 PhD. programs
- 28 research and application centers
- 149 labs, workshops/studios, incubation centers
- 229 Erasmus partner universities, 96 world exchange partners
- 854 full-time faculty members, 449 administrative staff members
- 19.287 undergraduate students, 3.500 graduate students, 478 doctora degree
- students
- 81 student clubs
- 238 externally funded projects between 2023-2024
- 410 industry partnerships & projects between 2023-2024

BAU IN THE TIMES HIGHER EDUCATION

BAU participates in the Times Higher Education (THE) Impact Rankings since 2019. According to the current rankings, BAU belongs to the 801-1000 band in the World University Rankings, 59th in the Impact Rankings and the 173th in the Young University Rankings 2024. Also, BAU is ranked among the top 5 universities in Türkiye.

The university continuously increases its standing in categories related to the UN Sustainable Development Goals. As of 2025, BAU holds the following standings in the THE Impact Rankings;

- 7 th in Quality Education
- 50 th in Peace, Justice and Strong Institutions
- 2nd in Gender Equality
- Ranks between 101-200 in Reducing Inequalities
- Ranks between 201-300 in Industry, Innovation and Infrastructure
- Ranks between 401-600 in Sustainable Cities and Communities

The University takes the above-mentioned rankings as evaluation criteria for progress regarding its adherence and contribution to the UN Sustainable Development Goals and will continue to report its advancement in the rankings on a yearly basis.

AFFORDABLE AND CLEAN ENERGY

In line with Sustainable Development Goal 7 (Affordable and Clean Energy), Bahçeşehir University integrates sustainability and clean energy principles into every aspect of its academic and institutional framework. The University promotes awareness of renewable energy, energy efficiency, and responsible resource use through its interdisciplinary approach and inclusive educational model.

Throughout the academic year, BAU offers a range of courses and seminars on renewable energy systems, sustainable technologies, and green transformation, while student clubs actively engage in initiatives that encourage conscious energy use and environmental responsibility within the campus community. These academic and social efforts contribute to shaping a culture that values innovation, efficiency, and sustainability.

Reinforcing this institutional commitment, the Environmental Management Commission, established by the University Senate on July 11, 2024, further supports BAU's structured approach to sustainable resource and energy management.

Through these integrated efforts, Bahçeşehir University continues to strengthen its contribution to the global transition toward clean, accessible, and sustainable energy for all.

Bahçeşehir University Environmental Management Commission

Bahçeşehir Üniversitesi Senato Kararı
SAYILI KARAR ÖNERİSİ

KARAR ÖNERİSİ

Üniversitemizin sürdürülebilirlik alanındaki faaliyetlerini güçlendirmek ve çevre bilinciyle uyumlu olarak enerji verimliliği, atık yönetimi, su kaynaklarının korunması ve diğer sürdürülebilirlik konularında çalışmalarını yürütmek amacıyla, Üniversitemizin bünyesinde "Bahçeşehir Üniversitesi Çevre Yürütme Komisyonu" kurulmasını, bu komisyonun görev, yetki ve sorumluluk alanlarını belirlemek ve bu komisyonun çalışma esaslarını belirlemek için Senato'ya karar önerisi sunulmuştur.

Senato, 2024.07.11 tarihinde yapılan toplantıda, aşağıdaki kararları almıştır:

Komisyon	Üye	Görev
Enerji Verimliliği Çalışma Grubu	Prof. Dr. Ali Rıza Kaya	Başkan
	Doç. Dr. Ayşe Fatma Yılmaz	Üye
	Doç. Dr. Mehmet Ali Demir	Üye
Atık Yönetimi Çalışma Grubu	Prof. Dr. Zeynep Elif Çelik	Başkan
	Doç. Dr. Mustafa Kemal Arslan	Üye
	Doç. Dr. Fatma Ayşe Kaya	Üye
Su Kaynakları Yönetimi Çalışma Grubu	Prof. Dr. Ali Rıza Kaya	Başkan
	Doç. Dr. Ayşe Fatma Yılmaz	Üye
	Doç. Dr. Mehmet Ali Demir	Üye

On July 11, 2024, the Bahçeşehir University Senate approved the establishment of the Environmental Management Commission to reinforce institutional responsibility for sustainable energy use and resource efficiency. The initiative aims to strengthen awareness of clean energy and energy conservation across the University community, integrating sustainability principles into the culture and daily operations of campus life.

The Commission operates through three specialized working groups – the Energy Efficiency Executive Board, the Zero Waste Executive Board, and the Water Efficiency Executive Board – which coordinate projects focused on enhancing energy performance, optimizing resource consumption, and reducing the environmental footprint of university activities. Within this framework, efforts are directed toward preventing energy loss, improving energy efficiency, lowering operational costs, and supporting circular economy practices that transform resources into value-added outputs.

Bahçeşehir University Zero Waste Certifications



The Zero Waste Executive Board at Bahçeşehir University successfully coordinated the implementation of the University's comprehensive waste and energy management framework, emphasizing efficiency, resource optimization, and sustainability in alignment with Sustainable Development Goal 7 (Affordable and Clean Energy). Through close collaboration between campus managers, administrative units, and technical departments, all required reporting, inspections, and operational processes were completed efficiently and in accordance with national environmental and energy-efficiency standards.

The initiative covered all campuses and university buildings where educational and administrative activities take place. Each site was registered in the Environmental Information System (EÇBS), supervisors were authorized within the platform, and certification applications were submitted for every location. In preparation for inspections, infrastructure improvements were made to enhance energy and waste efficiency, necessary materials were supplied, and all deficiencies were addressed in line with audit feedback. Additionally, academic and administrative staff received Zero Waste and Energy Awareness Training, and an instructional video was produced and shared on the University's digital learning platform to promote responsible energy and resource use.

As a result of these integrated efforts, a total of ten Zero Waste Certificates have been granted to Bahçeşehir University, covering all educational campuses and buildings. The process not only strengthened the University's operational sustainability but also reinforced its institutional culture of energy consciousness, environmental responsibility, and cross-departmental collaboration toward a cleaner and more efficient future.

Link: https://aday.bau.edu.tr/wp-content/uploads/2025/02/Sifir_atik_belgeleri.pdf

Azerbaijan and Türkiye Youth Joint Forum in Azerbaijan for Energy and Security



Held on 23 February 2024, the “Partnership Between Azerbaijani and Turkish Youth in Energy and Security” Forum was hosted by the Azerbaijan State Oil and Industry University (ADNSU) with the support of the Azerbaijan Youth Foundation, and organized in collaboration with the Azerbaijani Students and Alumni Platform (ASAP), Bahçeşehir University (BAU), CIFAL Istanbul, the United Nations Institute for Training and Research (UNITAR), and the BAU International Leadership Research and Application Center (ULMER).

Bringing together 300 young participants from both Azerbaijan and Türkiye, the forum served as a dynamic platform to strengthen bilateral cooperation in the fields of energy, environmental sustainability, and youth engagement. Opening remarks were delivered by Acting Rector of ADNSU Vazeh Asgarov, Acting Chairman of the Azerbaijan Youth Foundation Gadir Khalilov, Executive Director of the Azerbaijani Students and Alumni Platform Sevda Mansurova, and Rector of Bahçeşehir University Prof. Dr. Esra Hatipoğlu.

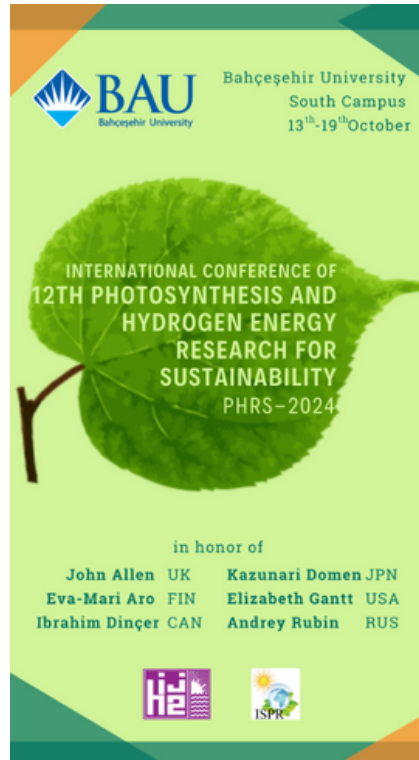
Panel sessions addressed topics such as regional energy security, the active participation of youth in sustainable energy transition, and the importance of engaging in international environmental forums like COP29. The forum highlighted the shared responsibility of both nations in ensuring clean, reliable, and sustainable energy solutions that contribute to climate resilience and regional stability.

In alignment with SDG 7 (Affordable and Clean Energy), SDG 13 (Climate Action), and SDG 17 (Partnerships for the Goals), this initiative reflected the strong commitment of Bahçeşehir University and its partners to empowering youth, fostering cross-border dialogue, and advancing sustainable energy cooperation between Azerbaijan and Türkiye.

Link: <https://bau.edu.tr/haber/18947-azerbaycan-ve-turkiye-gencleri-enerji-ve-guvenlik-icin-bulustu>



12th International Conference on Photosynthesis and Hydrogen Energy Research for Sustainability (PHRS-2024)



Held at Bahçeşehir University South Campus from 13–19 October 2024, the 12th International Conference on Photosynthesis and Hydrogen Energy Research for Sustainability brought together leading scientists, researchers, and industry experts to discuss the latest developments in hydrogen energy, renewable systems, and sustainable energy innovation.

The conference served as a major scientific platform for sharing research and technological progress on hydrogen production methods, energy storage, and photosynthetic processes that contribute to a low-carbon future. By fostering interdisciplinary dialogue between academia and the energy sector, PHRS-2024 promoted collaboration for cleaner and more efficient energy solutions.

This international gathering, organized with the participation of world-renowned scholars including John Allen (UK), Eva-Mari Aro (Finland), Kazunari Domen (Japan), Ibrahim Dinçer (Canada), Elizabeth Gantt (USA), and Andrey Rubin (Russia), reflected the growing global emphasis on renewable hydrogen as a cornerstone of sustainable energy transformation. Aligned with SDG 7 (Affordable and Clean Energy), SDG 9 (Industry, Innovation and Infrastructure), and SDG 13 (Climate Action), the event highlighted Bahçeşehir University's strong commitment to advancing scientific research that accelerates the transition to clean energy systems and supports a sustainable global future.

Link: <https://bau.edu.tr/etkinlikler/288-phrs-konferansi>

Roadmap for a Better and Sustainable Future with Enerjisa Interview: Advancing Energy Efficiency



As part of the “Roadmap for a Better Future with Enerjisa” interview series, Prof. Çisil Sohodol, Faculty Member at Bahçeşehir University, joined Burcu Özdemir, CEO of TBWA/Istanbul, on 14 December, 2023 to discuss how sustainability and energy efficiency can be effectively communicated to broader audiences. Prof. Sohodol emphasized that impactful sustainability communication must rely on reliable data and transparency, noting that promises without measurable foundations cannot generate meaningful results. She highlighted that efficiency, as an abstract concept, requires both institutions and individuals to internalize sustainability principles at every scale, and that sharing good examples and success stories is key to inspiring others to take action. This dialogue brought together insights from academia and the private sector, focusing on how communication can transform awareness into collective engagement.

By promoting public understanding of energy efficiency, sustainable innovation, and responsible production, the conversation contributed to SDG 7 (Affordable and Clean Energy), SDG 12 (Responsible Consumption and Production), and SDG 17 (Partnerships for the Goals). Through such collaborations, Bahçeşehir University continues to strengthen partnerships between academia, industry, and civil society to advance sustainable energy awareness and interdisciplinary cooperation.

Link:<https://www.youtube.com/watch?v=ALHkNbsabxY>

ENERJISA Energy Collaboration and CO-OP, CIFAL Istanbul, UNITAR Contributions to the “A Better and Sustainable Future” Branded Course 2024-2025 Academic Year



Launched on 23 September 2024, “A Better and Sustainable Future” is a certified course conducted under the Bahçeşehir University CO-OP collaboration with Enerjisa Energy, with contributions from CIFAL Istanbul and UNITAR (United Nations Institute for Training and Research). Centered on the principles of clean and efficient energy, the programme encourages students to explore how energy transition, sustainability, and innovation can intersect to build a greener and more resilient future.

Through lectures delivered by experts from Enerjisa Energy, TÜBİTAK MAM, Topkapı University, and Bilgi University, participants examine key themes such as energy efficiency, renewable systems, sustainable production, artificial intelligence for climate solutions, and corporate responsibility. The sessions connect scientific knowledge with real-world applications, highlighting how innovative energy strategies can simultaneously support economic growth and environmental protection.

By fostering dialogue between academia and industry, the course enables students to gain hands-on insight into energy management, responsible consumption, and low-carbon transition practices. In alignment with SDG 7 (Affordable and Clean Energy), SDG 8 (Decent Work and Economic Growth), SDG 13 (Climate Action), and SDG 17 (Partnerships for the Goals), the programme demonstrates Bahçeşehir University’s long-term commitment to promoting clean energy literacy and building strategic partnerships that empower future professionals to drive sustainable transformation.

Enerjisa: A Better and Sustainable Future Course program schedule is below:

Week	Lecture Content	Guest Lecturer	Position / Institution
Week 1	Energy Sector: Enerjisa and 'A Better Future Platform'	Ebru Türegün	Head of Sustainability and Corporate Capabilities, Enerjisa Enerji
Week 2	Sustainability and Corporate Sustainability	Irmak Pınar	Sustainability Group Manager, Enerjisa Enerji
Week 3	Environmental Sustainability	Dr. Tuba Budak	Leader of Resource Efficiency and Clean Energy Research Group, TÜBİTAK MAM
Week 4	Economic Sustainability	Prof. Dr. Emre Alkin	Economist, Rector of Topkapı University
Week 5	Sustainability Communication and Collaborations	Gökbürt Demirel	Communications Director, Enerjisa Enerji
Week 6	Using Artificial Intelligence for a Better Future	Ercüment Büyükgöyner	Consultant, Hayal Akademisi
Week 7	Turkey's Sustainability Vulnerabilities and Transformation	Akan Abdula	Researcher / Writer, FutureBright Group
Week 8	Social Sustainability and Social Impact	Prof. Dr. İtir Erhart	Dean, Faculty of Communication, Bilgi University
Week 9	Meeting with CEO & Certificate Ceremony	Murat Pınar	CEO, Enerjisa Enerji

BAU International Forum on Political Economy – “The Future of the International System and Global Energy”



On 22 May 2024, Bahçeşehir University (BAU), in cooperation with the Center for Economic, Strategic and Social Research (TESAM), organized the BAU International Forum on Political Economy at the Faculty of Law’s Doctorate Hall.

The event brought together academics, diplomats, policymakers, and experts from diverse ideological and institutional backgrounds to engage in open and evidence-based dialogue on the changing dynamics of the global political and economic system.

The forum was structured into two main sessions:

- The first session, “The Future of the International System,” examined the long-term China-US balance, the evolution of international relations in a bipolar world, and the strategic role of the Global South for Türkiye.
- Discussions also addressed how emerging powers, regional alliances, and renewed geopolitical rivalries are reshaping the international order.
- The second session, “The Future of Energy,” explored energy security, the political economy of energy, international legal and economic implications, and sustainability challenges in a multipolar context.
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This interdisciplinary and multi-perspective forum provided a neutral academic setting where participants representing different political, economic, and theoretical viewpoints could engage in constructive debate.

By facilitating mutual understanding and collaborative problem-solving, the event embodied BAU’s commitment to acting as a safe and impartial platform for inclusive dialogue on regional and global governance.

Through this initiative, Bahçeşehir University contributed to Sustainable Development Goal 16 (Peace, Justice and Strong Institutions), Goal 7 (Affordable and Clean Energy), and Goal 17 (Partnerships for the Goals) – promoting transparency, peaceful exchange of ideas, energy cooperation, and multilateral partnerships that advance global stability, sustainability, and institutional resilience.

Geothermal Energy for a Sustainable Future – Sector Seminar by BAU Energy Student Club



On 14 December 2023, Bahçeşehir University hosted a sector seminar titled “Geothermal Energy for a Sustainable Future”, organized by the BAU Energy Club in collaboration with SANKO Enerji, Zorlu Enerji, and the BAU Dean of Student Office (DSO). The event underscored the significance of advancing Affordable and Clean Energy (SDG 7) solutions as a key pillar of global sustainability.

Guest speakers Aygün Güney and Erdinç Şentürk, both Geothermal Reservoir Managers, discussed the role of geothermal technologies in lowering carbon emissions and strengthening regional climate resilience, directly contributing to Climate Action (SDG 13). Their insights highlighted how geothermal systems enhance resource efficiency while reducing environmental risks.

By bringing together academia, industry experts, and student initiatives, the seminar also exemplified strong Partnerships for the Goals (SDG 17) – supporting knowledge exchange and collaborative innovation for a clean-energy transition. Through such initiatives, Bahçeşehir University reinforces its commitment to sustainable energy literacy and to empowering future leaders in the global shift toward renewable solutions.



13th Energy Days – Advancing Clean and Efficient Energy Solutions



On 22 April 2024, Bahçeşehir University hosted the 13th Energy Days in the Fazıl Say Conference Hall, organized by the BAU Energy Club in partnership with SOCAR, Zorlu Enerji, and the BAU Dean of Student Office (DSO). The event focused on accelerating the transition toward Affordable and Clean Energy (SDG 7) by showcasing advancements in renewable power and energy storage systems.

Experts from Zorlu Enerji presented the latest approaches to solar and wind energy project development and modern energy storage technologies that support more reliable and efficient grid operations. SOCAR representatives further introduced the functioning of green energy certification and carbon credit mechanisms, emphasizing the importance of market-driven tools in enabling widespread adoption of clean-energy solutions.

By bringing together key industry leaders, students, and the academic community, the event strengthened Partnerships for the Goals (SDG 17) and highlighted the value of collaboration in driving energy innovation. Through platforms like Energy Days, Bahçeşehir University continues to contribute to a skilled new generation capable of leading the global shift toward sustainable and secure energy systems.



Energy Markets and Carbon Trade: Understanding the Future of Clean Power



On 25 April 2024, the BAU Energy Club, in cooperation with the BAU Dean of Student Office (DSO), organized an online sector seminar series on MS Teams featuring two expert speakers from the energy and carbon markets. The first session, presented by Bahadır Karabekiroğlu (Energy and Carbon Trade Supervisor), focused on the dynamics of carbon trading systems and their impact on decarbonization efforts. The following session, delivered by Mehmet Kutalmış Karacan (Energy and Carbon Trade Manager), explored Türkiye's electricity market structure, pricing mechanisms, and the growing role of renewable energy sources in meeting demand sustainably.

Throughout the event, speakers highlighted how integrated carbon pricing, market-based sustainability tools, and clean electricity investments accelerate the transformation of national energy systems and strengthen economic competitiveness. Students had the opportunity to engage directly with sector professionals and gain insights into career pathways within rapidly evolving energy markets.

This seminar supports global progress toward Affordable and Clean Energy (SDG 7) through the promotion of low-carbon electricity systems; Climate Action (SDG 13) by encouraging emission-reducing market mechanisms; and Partnerships for the Goals (SDG 17) by fostering collaboration between academia, industry, and youth communities dedicated to a sustainable energy future.

BAU Energy Student Club at the 14th Türkiye Energy Summit



Students from the Bahçeşehir University Energy Club participated in the 14th Türkiye Energy Summit, held on 25–26 November 2024 at the Hilton Istanbul Bomonti Hotel & Conference Center. Bringing together key actors of the energy sector, the summit focused on the economics of the future of energy, offering valuable insights into the evolving dynamics of the industry.

Throughout the sessions, our students engaged in discussions on the future of Türkiye's energy markets, carbon transition, renewable energy investments, and innovative energy technologies. They connected with sector leaders, strengthened their professional networks, and gained first-hand perspectives on shaping a more sustainable energy future.

BAU Energy Club remains committed to empowering youth to take an active role in the energy transition and advancing Bahçeşehir University's sustainability vision aligned with the United Nations Sustainable Development Goals — particularly Affordable and Clean Energy (SDG 7), Climate Action (SDG 13), and Partnerships for the Goals (SDG 17). In line with our efforts within the Times Higher Education (THE) Impact Rankings, we continue to promote strong university–industry partnerships and contribute to developing the next generation of responsible energy leaders.

Shaping the Future of Energy – AR-Gelecek Conference Participation



Bahçeşehir University Energy Student Club members participated in the AR-Gelecek Conference hosted by ITU IEEE PES Society, where they explored innovative research in the energy sector including advanced wind technologies, nuclear energy systems, and emerging R&D practices. By engaging with leading experts and companies, students strengthened their understanding of sustainable energy transformation and sectoral innovation.

The activity supports Bahçeşehir University's commitment to the UN Sustainable Development Goals, particularly SDG 7 (Affordable and Clean Energy) through clean energy awareness, SDG 9 (Industry, Innovation and Infrastructure) through R&D-focused learning, SDG 13 (Climate Action) through discussions on low-carbon technologies, and SDG 17 (Partnerships for the Goals) via inter-university collaboration.

Empowering Women for a Sustainable Energy Future



On 8 March 2024, the BAU Energy Student Club, in collaboration with the BAU IEEE PES Student Chapter and the BAU Dean of Students Office (DSO), hosted the second edition of the Women in the Energy Sector seminar at Bahçeşehir University. The keynote speaker, Ada Tekin (Business Development & Sales Manager – ZES), shared her professional journey in the renewable energy field, offering valuable insights into female leadership and the evolving role of women in the energy transformation.

The session sparked meaningful conversations on gender perceptions in professional life, sector-specific challenges, and strategies for increasing women's representation in technical and decision-making positions. By connecting students with an influential woman leader from the clean energy industry, the event encouraged participants to pursue ambitious career paths while embracing equity, resilience, and innovation.

This engagement supports global progress toward Gender Equality (SDG 5) by empowering women in STEM fields; Affordable and Clean Energy (SDG 7) by highlighting leadership in renewable energy innovation; Decent Work and Economic Growth (SDG 8) by expanding career opportunities in a strategic sector; and Reduced Inequalities (SDG 10) by advocating equal access to roles and recognition within the energy industry.



Energy Law Certificate Program



Organized by Bahçeşehir University Continuing Education Center (BAUSEM) in cooperation with CIFAL Istanbul – UNITAR, the Energy Law Certificate Program began on 14 September 2024 as a comprehensive initiative to address the growing need for legal expertise in the energy sector. Conducted online over five weeks (60 hours), the program explored the legal frameworks governing energy markets, contractual structures, and dispute resolution mechanisms. Participants included law students, graduates, and mid-to-senior professionals working in the energy industry.

The detailed curriculum covered General Energy Law, Privatization in the Electricity Market, Electricity Market Contracts, Natural Gas Supply Contracts, Turkish Petroleum Market under Law No. 5015, LPG Market under Law No. 5327, Nuclear Energy, Competition Law, Licensing Procedures, and International Energy Disputes. Through practical case studies and sample court decisions, the program provided participants with both theoretical depth and sectoral insight.

This certified program contributes to Affordable and Clean Energy (SDG 7) by promoting legal frameworks that support sustainable energy systems; advances Quality Education (SDG 4) by building interdisciplinary expertise; strengthens Peace, Justice, and Strong Institutions (SDG 16) through transparent and accountable energy governance; and fosters Partnerships for the Goals (SDG 17) by encouraging collaboration between academia, government, and industry in the pursuit of a resilient and equitable energy transition.

Link: <https://bausem.bau.edu.tr/sinif/enerji-hukuku651185a12fdc2.html>

Bahçeşehir University's Affordable and Clean Energy Related Courses

Certificate Sample from the Courses:



Bahçeşehir University (BAU) aligns its educational, research, and community engagement strategies with the United Nations Sustainable Development Goals (SDGs), reinforcing its dedication to sustainable progress and social responsibility. In particular, BAU emphasizes Affordable and Clean Energy (SDG 7), Quality Education (SDG 4), Sustainable Cities and Communities (SDG 11), and Climate Action (SDG 13), integrating sustainability principles into its curricula and institutional practices.

During the Fall and Spring semesters of the 2024 academic year, several courses including certificated ones were offered to deepen students' understanding of the energy sector from environmental, economic, and political perspectives.

Courses such as Alternative & Renewable Energy Systems I, Energy from a Sustainability Perspective, Energy Economics, Politics of Oil and Energy, Energy Management, Fundamentals of Solar Energy Systems, Introduction to Wind Energy Engineering, Energy Efficient Building Design, and Energy Policies have equipped students with the knowledge and awareness necessary to engage in sustainable energy production, management, and policy-making processes.

Through these programs, Bahçeşehir University reaffirms its commitment to using education as a driving force for a sustainable future, empowering students to become proactive contributors to the global energy transition.

<https://akts.bau.edu.tr/>

Table of Courses Opened in 2024 Fall and Spring Semester:

Course Code	Course Title	Semester	Language of Instruction	Course Type	Level	Delivery Method
ESE3103	Alternative & Renewable Energy Systems I	Fall	English	Must Course	Undergraduate	Face to Face
GEP0643	Energy from a Sustainability Perspective	Spring	English	GE-Elective	Undergraduate	Face to Face
MCH5613	Introduction to Wind Energy Engineering	Fall	English	Departmental Elective	Graduate	Face to Face
ESE5509	Fundamentals of Solar Energy Systems	Spring	English	Departmental Elective	Graduate	Face to Face
ESE2304	Energy Economics	Fall	English	Must Course	Undergraduate	Face to Face
UIL5131	Energy Policies	Spring	Turkish	Departmental Elective	Graduate	Face to Face
ARC5405	Energy Efficient Building Design	Spring	English	Departmental Elective	Graduate	Face to Face
POL4521	Politics of Oil and Energy	Fall	English	Departmental Elective	Undergraduate	Face to Face
ESE5501	Energy Management	Fall	English	Departmental Elective	Graduate	Face to Face

Learning Energy Production On-Site – Technical Visit to EÜAŞ



Bahçeşehir University Energy Student Club members visited the Electricity Generation Company (EÜAŞ) on 19 December, 2023 to observe Türkiye's electricity generation operations directly in the field. During the visit, students enhanced their technical understanding of production infrastructure, operational processes, and national grid contributions—supporting their professional development in the energy sector.

This activity advances Bahçeşehir University's strategic alignment with the UN Sustainable Development Goals, particularly SDG 7 (Affordable and Clean Energy) through energy literacy and clean production awareness, SDG 9 (Industry, Innovation and Infrastructure) by strengthening technical knowledge in essential infrastructure, and SDG 17 (Partnerships for the Goals) through collaboration with sectoral stakeholders.



Roundtable with Civil Society: “Towards COP29 – Evaluating Challenges, Solutions, and Policy Pathways for Climate Action in Türkiye”



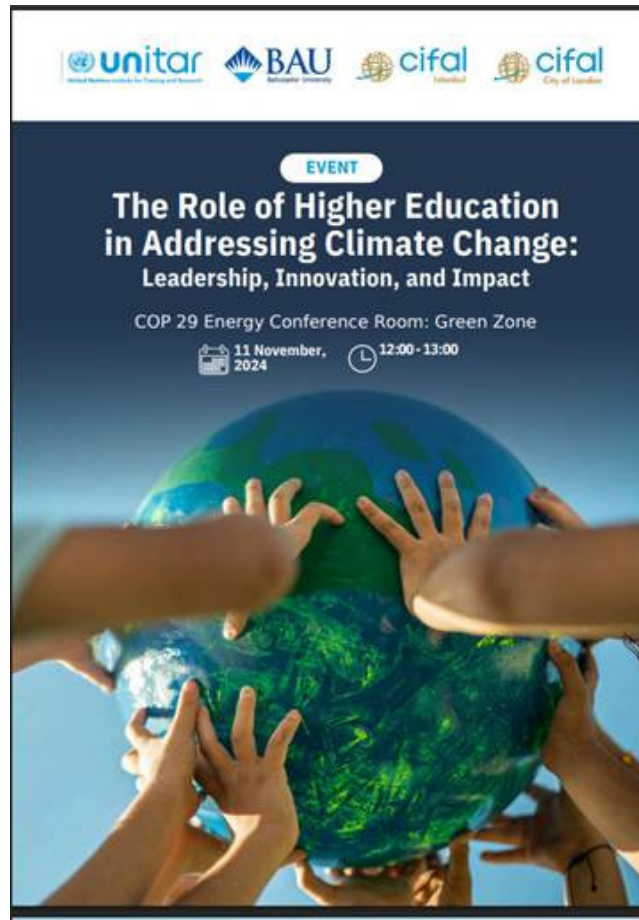
On October 16, 2024, Bahçeşehir University and CIFAL Istanbul (UNITAR), in collaboration with the Corporate Social Responsibility Association of Türkiye (CSR Turkey) and several leading environmental NGOs, jointly organized a high-level roundtable titled “Towards COP29: Civil Society Evaluates.” The meeting brought together several civil society representatives, academics, and policy experts to assess Türkiye’s environmental and climate change agenda in the post-COP28 period and to contribute to the formation of national strategies ahead of COP29.

The roundtable provided a crucial policy dialogue platform where participants discussed the role of civil society in advancing climate action, the transition to renewable energy, and the integration of sustainability into national development frameworks. Expert contributions by Özlem Katisöz, Climate and Energy Policy Coordinator at CAN Europe, and Barış Doğru, Editor-in-Chief of EKOİQ, offered analytical insights into Türkiye’s evolving climate policy landscape, highlighting both progress and challenges in meeting international commitments.

Through this dialogue, participants collectively emphasized the need for a realistic roadmap toward reducing dependence on fossil fuels and expanding renewable energy investments. The event concluded with a shared commitment to strengthen cooperation between academia, civil society, and the private sector—a key step in supporting evidence-based policymaking and inclusive climate governance.

By fostering informed discussion and cross-sector collaboration, the roundtable directly contributes to SDG 13 (Climate Action) by advancing national policy development and raising awareness on climate resilience, while also supporting SDG 17 (Partnerships for the Goals) through its multi-stakeholder approach to sustainable environmental governance.

Special Session at COP29: Bahçeşehir University and United Nations Institute for Training and Research (UNITAR)- Advancing Climate Policy, Education, and Global Best Practices



On November 11, 2024, during the United Nations Climate Change Conference (COP29) in Baku, Azerbaijan, a landmark session titled “The Role of Higher Education in Addressing Climate Change: Leadership, Innovation, and Impact” was co-organized by UNITAR, CIFAL Istanbul, Bahçeşehir University, and CIFAL City of London. Marking the first time a Turkish university hosted an independent session at COP, this event positioned Bahçeşehir University as a key contributor to global climate dialogue and higher education’s policy impact.

The session convened academic leaders, policymakers, and sustainability experts to explore how universities can shape climate solutions through research, education, and innovation.

Discussions focused on embedding climate literacy across curricula, promoting interdisciplinary collaboration, and developing science-based strategies for resilience and adaptation. Participants emphasized that universities play a pivotal role not only in knowledge generation, but also in influencing national and international climate policy through research-driven insights and stakeholder engagement.

In alignment with UNITAR's global learning objectives, the session highlighted best practices and comparative approaches to integrating climate change education into higher education, fostering capacity-building initiatives for young leaders, educators, and decision-makers.

Expected outcomes included the creation of cross-regional networks between universities, NGOs, and government institutions; the sharing of case studies and innovative models; and the development of policy frameworks to accelerate sustainable transformation.

Representing Türkiye's academic leadership on the global stage, Prof. Dr. Esra Hatipoğlu, Rector of Bahçeşehir University, and Prof. Dr. Çisil Sohodol, Director of CIFAL Istanbul, shared the institution's experience in advancing sustainability-centered education and community partnerships.

The session was moderated by Dr. Ebru Canan-Sokullu, Associate Director at the CIFAL Global Network (UNITAR), who underscored the importance of university-organization cooperation in shaping effective climate governance frameworks.

By integrating education, research, policy development, and international best practice exchange, this pioneering COP29 special session exemplified Bahçeşehir University's leadership in sustainable transformation.

It reinforced the University's commitment to SDG 13 (Climate Action) through policy engagement, SDG 4 (Quality Education) by promoting climate literacy and capacity-building, and SDG 17 (Partnerships for the Goals) through international collaboration, best practice exchange, and global climate resilience.



Sustainable Logistics and Supply Chain Panel



Held as part of the LOG4943 Sustainable Logistics and Supply Chain course, CIFAL Istanbul organized a session titled "Sustainable Logistics and Supply Chain" featuring Tolga Kazancioğlu, Network Optimization Lead at A.P. Moller-Maersk in Dubai, on 24 October 2024. The session was moderated by Asst. Prof. Yasemin Ülker, Deputy Director of CIFAL Istanbul.

The discussion focused on aligning global logistics systems with sustainability goals through improved efficiency, responsible management, and reduced environmental impact. Participants examined approaches such as data-driven optimization, energy-efficient operations, and the use of cleaner energy sources within logistics processes to minimize emissions and support long-term resource sustainability.



CIFAL Istanbul Team Visited Earthquake Zone



The CIFAL Istanbul team visited Malatya between 13–15 December 2024, one of the provinces affected by the February 6 earthquakes, to conduct educational activities focused on sustainability and environmental awareness. As part of the “Heroes of the Nature: Raising Awareness on Sustainability” seminar, organized by Bright Futures Association, Malatya Battalgazi Municipality, Malatya Municipality, CIFAL Istanbul, UNITAR, and Bahçeşehir University, Aslıcan Açık and Eren Yalınkaya from CIFAL Istanbul delivered a presentation on climate change, renewable energy, water conservation, and sustainable urban life, encouraging children and families to adopt environmentally responsible habits.

The discussions highlighted the importance of integrating renewable and clean energy systems into the city’s reconstruction process to ensure long-term resilience, energy efficiency, and sustainable urban development. During the visit, meetings were also held with local authorities to discuss sustainable rebuilding strategies and resource-efficient recovery practices for the region.

Book Publication: Profitability, Efficiency and Sustainability: The Holistic Transformation of Organizational Behavior



The book Profitability, Efficiency and Sustainability: The Holistic Transformation of Organizational Behavior was published on 18 December 2023. Authored by Dennis N. Onyama, with a foreword by Murat Pınar, CEO of Enerjisa Energy, and edited by Prof. Dr. Çisil Sohodol from Bahçeşehir University, together with Prof. İtir Erhart and Prof. Emre Alkin, the publication explores the interconnections between profitability, efficiency, and sustainability in modern organizations.

It presents insights into how businesses can improve energy efficiency and long-term value creation while minimizing their environmental footprint. The book emphasizes responsible innovation, sustainable resource management, and clean energy integration as essential components of future-oriented corporate strategies.

TÜBİTAK 4007 Giresun Science Festival: "Green Technology – Scientific Solutions for a Sustainable Future"



Under the coordination of the Giresun Provincial Directorate of National Education and in partnership with Giresun Municipality, Giresun University, and Bahçeşehir University, the TÜBİTAK 4007 Science Festival themed "Green Technology: Scientific Solutions for a Sustainable Future" was held from 28 to 30 November 2024 in Giresun. The event, which attracted strong participation from students, educators, and the local community, featured 23 workshops, two conferences, one panel, and one scientific public lecture focused on the integration of technology, clean energy, and environmental responsibility.

With the active contribution of academics from Bahçeşehir University, the festival encouraged scientific inquiry and awareness of sustainable practices, particularly in areas related to renewable energy, energy efficiency, and environmentally friendly innovation. By engaging the public in interactive sessions and research-based discussions, the initiative helped strengthen community understanding of energy-conscious solutions to environmental challenges and fostered a mindset supportive of sustainable development.

Link: <https://4000.tubitak.gov.tr/4007/124b703>

Sustainable Literacy Training Programme

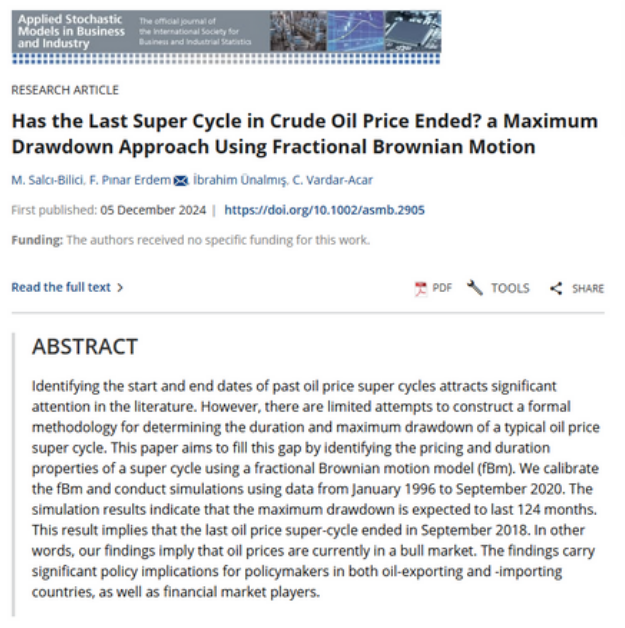


The Sustainability Literacy Certificated Training Programme, organized in collaboration with BAU Continuous Education Center (BAUSEM), CIFAL Istanbul, United Nations Institute for Training and Research (UNITAR), Bahçeşehir University (BAU) aimed to help individuals and organizations internalize the principles and practices of sustainability and sustainable development in line with the United Nations 2030 Agenda.

Designed for participants from diverse professional backgrounds, the programme explored sustainability through a multidisciplinary framework addressing key themes such as Introduction to Sustainable Development, Planet and Climate, Planet and Energy, Well-being and Labor, Peace and Justice/Partnerships, and Sustainability in the New World. Within this structure, participants examined the interconnections between environmental protection, renewable and efficient energy use, economic growth, and social inclusion.

Link: <https://bausem.bau.edu.tr/egitim/surdurulebilirlik-okuryazarligi.html>

Article: "Has the Last Super Cycle in Crude Oil Price Ended? A Maximum Drawdown Approach Using Fractional Brownian Motion" (2024)



This study applies a maximum drawdown approach with fractional Brownian motion to analyze the long-term cyclical behavior of global crude oil prices using monthly data from 1996 to 2020. The findings indicate that the average downturn in oil price cycles spans approximately 124 months, with the most recent cycle concluding in September 2018, marking the beginning of a recovery phase.

By introducing a transparent and data-driven model for identifying energy market cycles, the article provides valuable insights for energy policymakers, investors, and market stakeholders in both oil-exporting and importing nations. The research supports SDG 7 (Affordable and Clean Energy) by promoting strategic energy planning, stability, and efficient resource management, enabling more resilient and sustainable energy systems in line with global transition goals.

Link:https://www.researchgate.net/publication/386501232_Has_the_Last_Super_Cycle_in_Crude_Oil_Price_Ended_a_Maximum_Drawdown_Approach_Using_Fractional_Brownian_Motion
LinkBAU:<https://research.bau.edu.tr/en/publications/has-the-last-super-cycle-in-crude-oil-price-ended-a-maximum-drawd>

Bahçeşehir University, BAU Government and Leadership School, ULMER, CIFAL Istanbul, UNITAR - School of Politics' 24 Certificated Training Programme



Organized in collaboration with the Bahçeşehir University Government and Leadership School (HLO), the Bahçeşehir University International Leadership Research and Application Center (ULMER), CIFAL Istanbul, and the United Nations Institute for Training and Research (UNITAR), the fifth-week session of the BAU Politics School '24, titled "Global Issues: Environment, Energy, Migration," was held on 23 March 2024 at the Faculty of Law Conference Hall.

The session brought together Prof. Dr. Semra Cerit Mazlum (Marmara University), Dr. Zekeriya Tüzen (Bahçeşehir University), and Prof. Dr. Ulaş Sunata (Bahçeşehir University), who addressed current global challenges from environmental, energy, and migration perspectives. Discussions emphasized the complex interconnections between environmental sustainability, access to clean and affordable energy, and the social implications of climate-induced migration.

Focusing particularly on Türkiye's energy security, Dr. Zekeriya Tüzen analyzed the geopolitical and economic dimensions of energy dependency, highlighting the necessity of transitioning toward diversified and renewable energy resources. This session made a significant contribution to advancing the goals of SDG 7 (Affordable and Clean Energy) by fostering awareness of sustainable energy policies and responsible consumption.

The broader Politics School '24 programme—carried out with the active engagement of CIFAL Istanbul and UNITAR—also contributed to SDG 13 (Climate Action), SDG 16 (Peace, Justice and Strong Institutions), and SDG 17 (Partnerships for the Goals) by promoting dialogue-based learning and multilateral collaboration between academia, public institutions, and civil society. As an officially recognized, e-Government integrated certificate programme, Politics School '24 stands as a model of Bahçeşehir University's commitment to developing informed, sustainability-oriented leaders equipped to address global challenges.

Link: <https://bau.edu.tr/haber/19421-siyaset-okulu-24>

Bahçeşehir University, BAU Government and Leadership School, ULMER, CIFAL Istanbul, UNITAR - School of Politics' 24 Certificated Training Programme

BAU ULMER-HLO SİYASET OKULU'24

(24 Şubat - 27 Nisan)

1. HAFTA (24 Şubat) - Siyaset Bilimine Giriş

2. HAFTA (2 Mart) - Siyaset Yapısı: Aktörler ve Süreçler

3. HAFTA (9 Mart) - Politik Ekonomi: Kavramlar, Kurumlar, Krizler

4. HAFTA (16 Mart) - Çok Boyutlu Güvenlik

5. HAFTA (23 Mart) - Küresel Meseleler: Çevre, Enerji, Göç

6. HAFTA (30 Mart / Özel Oturum) - Dünyada ve Türkiye'de Teknoloji ve Siyaset

7. HAFTA (6 Nisan) - Türk Dış Politikası ve Büyük Güçler

8. HAFTA (20 Nisan) - Türk Dış Politikası'nda Balkanlar ve Avrasya

9. HAFTA (27 Nisan / Filistin Özel Oturumu) - Türk Dış Politikası'nda Orta Doğu ve Afrika

HLO ULMER cifal unitar BAU

BAU ULMER-HLO SİYASET OKULU '24

KÜRESEL MESELELER: ÇEVRE, ENERJİ, GÖÇ

5. Hafta | 23 Mart 2024 | Hukuk Konferans Salonu

10:00 - 11:15
Çevre
Prof. Dr. Sema Çelebi Madım
Marmara Üniversitesi

11:30 - 12:45
Enerji
Dr. Öğr. Üye. Zeynep Tüzün
Bahçeşehir Üniversitesi

13:45 - 14:30
Göç
Prof. Dr. Ulaş Sunata
Bahçeşehir Üniversitesi

HLO ULMER cifal unitar BAU



BAUGO School of Sustainability Programme



The banner features the logos of BAUPRO, Cifal, Unitar, and BAU at the top. The main title is 'SÜRDÜRÜLEBİLİRLİK OKULU'. Below the title is a photograph of a man and a woman smiling. To the right is a circular infographic with five segments, each representing a topic: Sustainable business models, ESG, Sustainable business strategy development, Sustainable business applications, and Sustainable business and financial performance. The infographic also includes a photo of a group of people and the text 'Sürdürülebilirlik ve İş Dünyası Modülü' and 'Süre: 6 Saat'.

BAUPRO **cifal** **unitar** **BAU**

SÜRDÜRÜLEBİLİRLİK OKULU

Sürdürülebilirlik ve İş Dünyası Modülü
Süre: 6 Saat

Katılımcılara sürdürülebilirlik konularının iş stratejilerine nasıl entegre edileceğini öğretir. Bu modül, ESG (Çevresel, sosyal ve kurumsal yönetim) açılarından şirketlerin çevresel ve sosyal sorumluluklarına yerine getirilen ekonomik sürdürülebilirlik sağlayarak uzun vadeli başarıyı nasıl elde edebileceklerini gösterir.

BAUPRO **cifal** **unitar** **BAU**

Launched in November 2024, the School of Sustainability Programme was organized by the BAU School of Professional Studies (BAUPRO) in collaboration with Cifal Istanbul, the United Nations Institute for Training and Research (UNITAR), and Bahçeşehir University (BAU). The programme aims to equip participants with the competencies to integrate sustainability into business strategies and create long-term value for organizations and society.

Delivered by Bahçeşehir University's experienced academics, the programme covers key topics such as sustainable business models, green and circular economy, carbon-neutral strategies, ESG (Environmental, Social, and Governance) principles, and corporate social responsibility. Participants learn to design sustainability-oriented business models, develop strategies to reduce carbon footprints, and integrate social responsibility into organizational frameworks.

By emphasizing energy efficiency, waste management, and ethical supply chains, the programme strengthens participants' leadership skills to manage change effectively and foster responsible corporate cultures. It appeals to a wide audience, including corporate sustainability managers, environmental and CSR professionals, executives, entrepreneurs, start-up founders, educators, and public sector employees seeking to enhance their expertise in sustainability.

Aligned with SDG 7 (Affordable and Clean Energy), SDG 8 (Decent Work and Economic Growth), and SDG 13 (Climate Action), the programme reflects the collective commitment of Bahçeşehir University and its partners to promoting sustainability literacy, empowering professionals, and advancing sustainable development through education. The programme also offers participants an official certificate of completion, underscoring its practical and academic value.

Link: <https://bausem.bau.edu.tr/sinif/surdurulebilirlik-okulu687e28ea67f59.html>

Corporate Sustainability and ESG: The Key to Developing Your Business, the Planet, and Society Certified Training Programme



Organized by BAUGO in collaboration with Bahçeşehir University (BAU), CIFAL Istanbul, and the United Nations Institute for Training and Research (UNITAR), the Corporate Sustainability and ESG Training Programme focuses on how sustainability principles can be strategically applied within organizations to support responsible growth, energy efficiency, and long-term value creation.

Developed under the academic supervision of Prof. Çisil Sohodol, the course is composed of ten comprehensive modules addressing the key dimensions of sustainability and corporate transformation. Participants explore the foundations of ESG, sustainable development, and responsible production and consumption models. The modules further examine the relationship between ethical leadership, innovation, and environmental management, analyzing how transparent governance and strategic planning enhance institutional resilience and social impact.

The training highlights the importance of efficient resource use, energy conservation, waste prevention, and low-impact business operations—supporting the global transition toward cleaner, carbon-conscious, and resource-efficient organizations. Through this approach, participants gain the capacity to integrate environmental awareness, social responsibility, and ethical governance into corporate decision-making processes.

Aligned with SDG 7 (Affordable and Clean Energy), SDG 8 (Decent Work and Economic Growth), and SDG 13 (Climate Action), the programme reflects Bahçeşehir University's and its partners' commitment to promoting sustainability-oriented leadership and advancing global efforts toward a more sustainable, low-carbon future. Upon successful completion, participants receive an official BAUGO certificate, symbolizing their contribution to responsible business transformation and sustainable development.

Link: <https://baugo.online/course/isletmenizi-gezegeni-ve-toplumu-gelistirmenin-anahtari-kurumsal-surdurulebilirlik-ve-esg>

TÜBİTAK 2565 – Malta Council for Science and Technology (MCST) Bilateral Cooperation Programme: Design of an Integrated Artificial Intelligence System for Water, Soil, and Energy Challenges in Olive Cultivation in the Rural Areas of the Mediterranean Region



TÜBİTAK "2565 - ARAŞTIRMA PROJELERİ - MALTA BİLİM VE TEKNOLOJİ KONSEYİ (MCST) İLE İKİLİ İŞ BİRLİĞİ PROGRAMI"

Projenin Başlığı:
Akdeniz Bölgesi Kırsal Alanlarında Zeytin Yetiştiriciliğinde Su, Toprak ve Enerji Zorluklarına İlişkin Yapay Zeka Teknolojisi İle Entegre Bir Sistem Tasarımı

Projenin Bütçesi:
1.050.000 TL

Proje Ekibi:
• Dr. Öğr. Üyesi Müge Kesici
• Prof. Dr. Gül Tekin Temur
• Dr. Öğr. Üyesi Fatih Kahraman

Projenin Süresi:
2 Yıl

Doç. Dr. Zeynep Tacer Caba
Bahçeşehir Üniversitesi ve Proje Ekimci Fakültesi

Tebrik Ederiz

BAU
Bahçeşehir University

Bahçeşehir University continues to drive innovation in sustainable energy systems through interdisciplinary research that bridges technology and environmental resilience. Under the TÜBİTAK "2565 – Research Projects – Malta Council for Science and Technology (MCST) Bilateral Cooperation Programme", the project titled "Design of an Integrated Artificial Intelligence System for Water, Soil, and Energy Challenges in Olive Cultivation in the Rural Areas of the Mediterranean Region", coordinated by Assoc. Prof. Dr. Zeynep Tacer Caba from the Faculty of Engineering and Natural Sciences, has been approved for funding.

The project focuses on developing an AI-powered system to optimize the use of water, soil, and energy in agricultural production—particularly in Mediterranean olive cultivation. By integrating smart technologies for efficient resource management, the initiative aims to reduce energy waste, promote renewable and sustainable energy applications in farming, and enhance the overall energy efficiency of agricultural systems.

Through this pioneering effort, Bahçeşehir University reaffirms its commitment to SDG 7: Affordable and Clean Energy, supporting the transition toward low-carbon agricultural practices and energy-smart production models that strengthen sustainability and resilience in rural communities.



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