



2022-2023 RESPONSIBLE CONSUMPTION AND PRODUCTION REPORT (SDG- 12)

ISTINYE UNIVERSITY

İSÜ | İSTİNYE
ÜNİVERSİTESİ
İSTANBUL

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ABOUT US

Our Mission

The mission of Istinye University is to provide innovative and sustainable education in a student-centered institution that works in close collaboration with the industry, to conduct research based on advanced technology, to produce new knowledge and technologies, and to contribute to the development of society by developing solutions to local and universal problems.

Our Vision

The vision of Istinye University is to become one of the world's leading universities that focuses on artificial intelligence and aims for excellence in education, research, innovation and technology development.

Our Values

Entrepreneurship
Innovation
Competitiveness
Leadership
Team spirit
Respect for ethical values
Justice
Passion
Self-confidence
Social responsibility
Sense of belonging and dedication

The vision of Istinye University is to become one of the world's leading universities that focuses on artificial intelligence and aims for excellence in education, research, innovation and technology development.

APPLICATION AND RESEARCH CENTERS

- [International Sustainability Application and Research Center \(IRCOS\)](#)

Istinye University International Sustainability Application and Research Center (ISU-IRCOS) aims to support all research and education activities required for the establishment of the sustainability concept in our university and its most effective implementation, especially the Sustainable Development Goals set forth by the United Nations.

With this understanding, ISU-IRCOS aims to carry out the necessary research and applications that will enable progress at national and international levels with an interdisciplinary approach and to make recommendations on sustainability development policies and action plans.

In addition to the direct contribution of universities to the society they are in through their education and research activities, it is important for both present and future generations that they also attach importance to sustainability studies and structure their activities within the framework of sustainability. Aware of this necessity, İstinye University defines itself as an 'Innovative Sustainable University'. In line with this vision, the mission of the ISU International Sustainability Application and Research Center is to contribute to sustainable development and progress. Within this framework, it accepts the approach of supporting the United Nations Sustainable Development Goals as a basic principle; it aims to bring together all research focuses of the university in an interdisciplinary environment for a common purpose.

[Uluslararası Sürdürülebilirlik uygulama ve Araştırma Merkezi Yönetmeliği](#)

Our Focus Areas

- Sustainable Universities
- Institutional Sustainability Strategic Process Management
- Environmental Responsibility and Climate Change
- Use of Natural Capital
- Circular Economy
- Social Impact Management
- Social Development Programs
- Regional Sustainable Development Strategies and Policies
- Climate and Environment Research Center

UNIVERSITIES WITH INTERNATIONAL COOPERATION

No	The University with International Cooperation	Country	Agreement Date
1.	ABMS Open University Of Switzerland	Switzerland	29.03.2017
2.	Superior University	Pakistan	6.06.2017
3.	Univeristy of Michigan School of Nursing	United States	11.08.2017
4.	Univeristy of Medicine	Albania	11.10.2017
5.	Baku State University	Azerbaijan	30.10.2017
6.	International Struga University	North Macedonia	27.02.2018
7.	ACECR-Khorasan Razavi	Iran	10.03.2018
8.	CHA Bundang Medical Center	Republic of Korea	16.03.2018
9.	Kyung Hee University	Republic of Korea	20.03.2018
10.	Tuzla University	Bosnia and Herzegovina	11.06.2018
11.	Winston-Salem State University	United States	19.09.2018
12.	Aldent University	Albania	8.01.2019
13.	University of Sarajevo	Bosnia and Herzegovina	14.01.2019
14.	Alisher Navoi Tashkent State University of the Uzbek Language and Literature	Uzbekistan	15.01.2019
15.	Chandigarh University	India	20.06.2019
16.	Kyiv Medical University	Ukraine	24.06.2019
17.	Kharkiv Institute of Medicine and Biomedical Sciences of PHEE "Kyiv Medical University"	Ukraine	24.06.2019
18.	Henan University of Technology	China	1.07.2019
19.	Fakulti Sains, Universiti Teknologi Malaysia	Malaysia	7.08.2019
20.	Hebron University	Palestine	19.09.2019
21.	Tajik Pedagogical Institute	Tajikistan	17.10.2019
22.	Salymbekov University	Kyrgyzstan	15.01.2020
23.	Babol Noshirvani University of Technology	Iran	2.03.2020
24.	Sathyabama Institute of Science and Technology	India	14.03.2020
25.	University of California, Berkeley	United States	11.03.2020
26.	Saint Petersburg Electrotechnical University "Leti"	Russia	27.03.2020

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No	The University with International Cooperation	Country	Agreement Date
27.	Khon Kaen University	Thailand	19.02.2020
28.	Riga Technical University	Latvia	30.03.2020
29.	Palestine Abliya University	Palestine	4.05.2020
30.	Minsk State Linguistic University	Belarus	14.05.2020
31.	University College of Nabi Akram	Iran	6.07.2020
32.	LEPL Ivane Javakhishvili Tbilisi State University	Georgia	6.07.2020
33.	UBT Higher Education Institution	Kosovo	17.12.2020
34.	International Research Institute of Postgraduate Education	Kazakhstan	23.02.2021
35.	Iran University of Medical Sciences	Iran	1.02.2021
36.	West Kazakhstan Marat Ospanov Medical University	Kazakhstan	11.03.2021
37.	University of Pristina, Kosovska Mitrovica	Kosovo	12.03.2021
38.	The OSH State University	Kyrgyzstan	22.04.2021
39.	University College of Business	Albania	28.05.2021
40.	Al Khawarizmi University of Technical College	Jordan	10.06.2021
41.	Karazin Kharkiv National University	Ukraine	22.06.2021
42.	Karakalpakstan Medical Institute	Uzbekistan	22.06.2021
43.	Stekom University	Indonesia	13.07.2021
44.	I.K. Akhunbaev Kyrgyz State Medical Academy	Kyrgyzstan	14.07.2021
45.	Asfendiyarov Kazakh National Medical University	Kazakhstan	27.07.2021
46.	Komar University of Science and Technology	Iraq	10.08.2021
47.	Inha University	Republic of Korea	3.09.2021
48.	Azerbaijan Medical University	Azerbaijan	17.09.2021
49.	Lovely Professional University	India	28.09.2021
50.	Taras Shevchenko National University of Kyiv	Ukraine	8.10.2021
51.	Khoja Ahmet Yassawi International Kazakh-Turkish University	Kazakhstan	14.10.2021
52.	Universitas Darussalam Gontor	Indonesia	27.10.2021
53.	Damghan University	Iran	3.11.2021

No	The University with International Cooperation	Country	Agreement Date
54.	Academy of Guaranteed Innovative Improvement of Doctors	Kazakhstan	13.11.2021
55.	The University of Georgia	Georgia	10.12.2021
56.	Biznesi College	Kosovo	6.01.2022
57.	Instituto Politecnico Nacional	Mexico	2.03.2022
58.	Southern University (IMBL)	Russia	10.03.2022
59.	University College "CEPS - Center for Business Studies" Kiseljak	Bosnia and Herzegovina	10.03.2022
60.	International University of Kyrgyzstan	Kyrgyzstan	17.03.2022
61.	International University of Sarajevo	Bosnia and Herzegovina	15.04.2022
62.	University of Isfahan	Iran	9.05.2022
63.	Semey Medical University	Kazakhstan	24.06.2022
64.	Tashkent Institute of Architecture and Civil Engineering	Uzbekistan	16.08.2022
65.	University of East Sarajevo	Bosnia and Herzegovina	22.07.2022
66.	University of Tehran	Iran	11.09.2022
67.	Czestochowa University of Technology	Poland	3.11.2022
68.	Gordon Academic College of Education	Israel	25.11.2022
69.	University of Rijeka	Croatia	9.12.2022
70.	Rowan University	United States	25.01.2023
71.	Asociacion Cultural El Tulipan	Peru	23.02.2023
72.	Kyungpook National University	Republic of Korea	7.03.2023
73.	University of Nevada, Reno	United States	5.05.2023
74.	Institute of Technological Studies of Rades	Tunisia	5.06.2023
75.	Justus Liebig University Giessen	Germany	8.06.2023
76.	Zarmed University	Uzbekistan	15.06.2023
77.	Misurata University	Libya	19.06.2023
78.	Namangan International University	Uzbekistan	29.08.2023
79.	Almarisah Madani University	Indonesia	13.09.2023
80.	Muhammadiyah University of Mataram	Indonesia	13.09.2023
81.	Universitas Muhammadiyah Kudus	Indonesia	13.09.2023

No	The University with International Cooperation	Country	Agreement Date
82.	Higher Education Institution "Academician Yuriy Bugay International Scientific and Technical University"	Ukraine	20.09.2023
83.	Domus Academy	Italy	14.11.2023
84.	Stefan Cel Mare University of Suceava	Romania	15.11.2023
85.	Omsk State Agrarian University	Russia	23.11.2023
86.	Yuan Ze University	Taiwan	1.12.2023
87.	Cambridge University	United Kingdom	16.01.2024
88.	Technological University of Tajikistan	Tajikistan	24.01.2024
89.	University of Ibn Khaldoun Tiaret	Algeria	7.02.2024
90.	Università degli Studi 'G. d'Annunzio' Chieti - Pescara	Italy	8.02.2024
91.	Tashkent Medical Academy	Uzbekistan	15.02.2024
92.	Baku Business University	Azerbaijan	15.02.2024
93.	APBS Business School	Tunisia	26.02.2024
94.	University of Faisalabad	Pakistan	27.03.2024
95.	Al-Mustaqbal University	Iraq	3.04.2024
96.	EMU University	Uzbekistan	16.04.2024
97.	Universitas Nasional	Indonesia	8.05.2024
98.	University of Science and Culture	Iran	14.05.2024

OPERATIONAL MEASURES

To achieve economic growth and sustainable development, we need to urgently reduce our ecological footprint by changing the way we produce and consume goods and resources. Agriculture is the largest consumer of water worldwide, with agricultural irrigation accounting for approximately 70% of all fresh water used by humans.

Efficient management of our shared natural resources and the way we dispose of toxic waste and pollutants are also important practices in achieving this goal. Encouraging industries, businesses and consumers to recycle and reduce waste is equally important as encouraging developing countries to adopt more sustainable consumption patterns by 2030.

A large portion of the world's population still consumes less than enough to meet their basic needs. Creating more efficient production and supply chains is also crucial to halving global per capita food waste at the retailer and consumer levels. Doing so can improve food security and enable a transition to a more resource-efficient economy.

At İstinye University, it is aimed to create more efficient production and supply chains, reduce global per capita food waste by half at the seller and consumer level, increase food security and ensure the transition to an economy that uses resources more efficiently.

Our University is aware of the natural capital approach, which refers to the totality of all living and non-living natural resources, especially water, in order to support the Environmental Policy. Similarly, it attaches importance to meeting the needs of the circular economy concept, which is based on the principle of intelligent management that will use natural capital in the most efficient way and minimize environmental impact in terms of both resources and domestic and hazardous waste.

For this purpose, the Natural Resource Use and Zero Waste Policy has been determined and adopted by the senate decision in order to encourage awareness-raising education and research and application studies on these issues with the intention of minimum natural resource consumption and zero waste for all stakeholders of the university.

The institution has implemented the Zero Waste Project in order to contribute to the protection of natural resources by separating waste from its source and recycling it. Garbage bins were removed

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from all buildings and areas on campuses and glass, paper, meal, plastic and household waste bins were placed at central points. In this way, waste is separated from its source and recycled. Necessary training, information and activities were carried out for all staff and students to classify waste and throw it into waste bins.

Istinye University has been granted a Zero Waste Certificate by the Provincial Directorate of Environment and Urbanization with the project it has carried out.

Applications in our university in Recyclable Waste Management



Medical and chemical wastes, which are classified as hazardous waste, are taken from the institution with licensed facilities and disposed of by appropriate methods.

According to the annexes of the Medical Waste Control Regulation and the Hazardous Waste Control Regulation published by the Ministry of Environment, Urbanization and Climate Change, waste management in İstinye University Hospitals and Application and Research Centers is carried out in accordance with the Classification of Waste Originating from Healthcare Institutions.

In the collection of medical waste, red plastic bags are used, which are resistant to tearing, puncture, bursting and transportation, leak-proof, double-bottom-stitched and unguessed, made of original medium-density polyethylene raw material, have a double-layer thickness of 100 microns, have a minimum 10 kilogram lifting capacity, are large enough to be visible and have the "International Biohazard" emblem and the phrase "ATTENTION MEDICAL WASTE" on both sides.

Waste with sharp and piercing properties are collected separately from other medical wastes in boxes or containers made of plastic or laminated cardboard with the same properties, which are resistant to puncture, tear, breakage and explosion, waterproof and leak-proof, impossible to open or mix, and bearing the "International Biohazard" emblem and the phrase "CAUTION! CUTTING AND PENING MEDICAL WASTE".

Hazardous waste is collected separately from other waste in sturdy, leak-proof blue waste barrels. On the date the waste is collected, a label containing information about the waste is filled in and attached to the barrel.

Hazardous waste is collected in separate barrels according to their solid, liquid and gas properties and types. Wastes are sent to the waste storage before 180 days have passed from the date of collection. Waste barrels are filled 2/3 and the clamps are kept closed.

Hazardous Waste Transport Within the Unit is carried by trained personnel wearing gloves, masks and protective clothing in suitable waste transport containers with wheels and lids and brought to the temporary storage area.

Istinye University waste is collected and recycled by Zeytinburnu Municipality, with whom we have an agreement, in the waste separation area on campus. In addition, waste is recorded with a zero waste record.

With the Istinye University Environmental Policy, one of the primary goals of Istinye University is to work on protecting the environment not only for its campuses but also from local to global levels, thus contributing to the protection of public health. In this context, in order to protect nature, reduce the use of plastic and recycle it, garbage bins in offices and common areas were removed and recycling bins (glass, paper, metal, plastic, household type) were placed in central locations.

With the Natural Resource Consumption and Zero Waste Policy, which aims to minimize single-use materials at the university, there are water machines on each floor of the campus buildings to minimize the use of plastic bottles. Students and staff can get water with their own bottles or use paper cups.

According to the Zero Waste Project Regulation, outsourced service providers and supplier companies must comply with these rules. Our third parties on campus must also comply with these policies. All waste generated on campus is centrally transmitted to municipal operators by university administrative staff.

RECYCLE

Istinye University carries out the Zero Waste Project on both campuses, which aims to minimize waste disposal and maximize waste recycling.

PUBLICATION OF REPORTS

It is published on the official website of the University. In addition, the 2022 Sustainability Report is published on the official website of the University.

EVENTS

Link	Event	Location
#	Architectural Practice Conversations "Esra Basmaz"	Zoom
#	Expectations from NATO's Vilnius Summit: What Happened Before and Forecasts for the Future	Zoom
#	Expectations from NATO's Vilnius Summit: What Happened Before and Forecasts for the Future	Zoom
#	From Meter to Millimeter	Zoom
#	International Projects Info Days "Day #2 TUBITAK Multilateral Funding"	Vadi Campus Conference Hall
#	Our Graduates Transfer Experience to Our Students	Vadi Campus Conference Hall
#	Architectural Practice Conversations: Hilal Güneş	Zoom
#	Black Sea Security and the Extended Black Sea Concept	Zoom
#	Nurses Day	Topkapı Campus Congress Center
#	Nurses Day	Topkapı Campus Congress Center
#	Scale to Scale Details and Materials	Zoom
#	City Memory Cards	Zoom
#	Architectural Practice Conversations: İklima Şenol Gönenç	Zoom
#	Architecture for All: Post-Disaster Reconstruction Plan Notes from the Field	Zoom

Link	Event	Location
#	Patent Application Process Basic Information Training	Zoom
#	Patent Application Process Basic Information Training	Zoom
#	Ataturk and Women in the 100th Year of the Republic	Zoom
#	Post-Earthquake with a Public Health Approach	Zoom
#	Science, Art, Philosophy Round Table Talks-XXV	Zoom
#	High School Winter Camp	Topkapı Campus/Vadi Campus
#	Protests in Iran: Women's Role in Protests	Zoom
#	Science, Art, Philosophy Roundtable Talks-XXIV	Zoom
#	Project Experience Sharing Meeting Series #3 "TÜBİTAK ARDEB 1002 Program "	Topkapı Campus T-404
#	Project Experience Sharing Meeting Series #3 "TÜBİTAK ARDEB 1002 Program "	Topkapı Campus T-404
#	From Seed to Chocolate	T-2B08 Nutrition and Dietetics Laboratory
#	December 3 International Day of Persons with Disabilities Conversation	Topkapı Campus Congress Center
#	Architectural Practice Talks: MAJJ Studio	Zoom
#	Gas Chromatography-Mass Spectrometry Device Training	Topkapı Campus 2B06 CoreLab
#	Gas Chromatography-Mass Spectrometry Device Training	Topkapı Campus 2B06 CoreLab

Link	Event	Location
#	Mineral and Flavored Beverages in the Food Industry	Zoom
#	Mineral and Flavored Beverages in the Food Industry	Zoom
#	Mineral and Flavored Beverages in the Food Industry	Zoom
#	Two-Dimensional Digital Game Design Workshop	Vadi Campus
#	Two-Dimensional Digital Game Design Workshop	Vadi Campus
#	Science, Art, Philosophy Round Table Talks-XXIII “Artificial Intelligence, Creativity and Philosophy” (Artificial Intelligence Studies 2)	Zoom
#	Current Issues in the Circular Economy	Zoom
#	Current Issues in the Circular Economy	Zoom
#	Science, Art, Philosophy Roundtable Talks-XXII “Artificial Intelligence and Philosophy”	Zoom
#	Problems in the Global Supply Chain and Their Effects on the Economy	Zoom
#	Problems in the Global Supply Chain and Their Effects on the Economy	Zoom
#	Problems in the Global Supply Chain and Their Effects on the Economy	Zoom
#	Confectionery and Confectionery Technology in the Food Industry	Zoom
#	Confectionery and Confectionery Technology in the Food Industry	Zoom
#	Confectionery and Confectionery Technology in the Food Industry	Zoom

Link	Event	Location
#	Architectural Practice Talks: Esra Basmaz	Zoom
#	Science, Art, Philosophy Round Table Talks-XXII “From Philosophy to Mathematics, from Mathematics to Artificial Intelligence”	Zoom
#	Architectural Practice Talks: Özge Meriç and Volkan Taşkın	Zoom
#	Applied Physiotherapy Approaches to Common Orthopedic Problems: Upper Quadrant	Topkapı Campus 1B06-C (Physiotherapy and Rehabilitation Laboratory)
#	Latest Developments in Syria and Iraq and Their Effects on Türkiye	Zoom
#	Latest Developments in Syria and Iraq and Their Effects on Türkiye	Zoom
#	Latest Developments in Syria and Iraq and Their Effects on Türkiye	Zoom
#	Science, Art, Philosophy Round Table Talks XXI “Management Skills and Philosophy”	Zoom
#	Industrial Property Rights Basic Level Online Training Seminar	Zoom
#	Industrial Property Rights Basic Level Online Training Seminar	Zoom

PROJECTS

ORGANIZATION FUNDING THE PROJECT	PROJECT NAME	PROJECT START DATE	PROJECT COMPLETION DATE
TÜBİTAK	Augmented Reality Simulation and Wind (Flow) Interaction Platform Development	01.05.2022	01.05.2025
TÜSEB	Investigation of the Effect of Whole Body Vibration Application on Muscle Functional Level and Respiratory Parameters in Intensive Care Patients	01.01.2023	01.01.2024
TÜSEB	Investigation of the Effect of Exercises Performed with Avatar Created with Virtual Reality Glasses on Muscle Activation in Individuals with Knee Osteoarthritis	2023	2024
TÜBİTAK	Development of a Targeted, Exosome-Based, Anti-Inflammatory and Anti-Viral Agent for the Treatment of COVID-19 and Similar Viral Diseases from Mesenchymal Stem Cells with CRISPR/Cas13 Method	01.02.2023	01.02.2025
TÜBİTAK	Interventions for Raising Smoking Awareness and Creating Behavior Change in University Students: Tobacco-Free Faculty Project	01.04.2023	01.10.2024
TÜBİTAK	Prediction of the effectiveness of adjuvant treatment with drug resistance analyses and clinical data in patients with operated colorectal cancer using artificial intelligence	01.05.2023	01.05.2026
TÜBİTAK	Development of theranostic hyperthermia treatment against HER2 positive breast cancer	01.05.2023	01.05.2026
TÜBİTAK	Investigation of the Effect of Functional Respiratory Muscle Training on Trunk Stabilization, Aerobic Capacity and Performance in Wheelchair Basketball Athletes	01.06.2023	01.06.2025
TÜBİTAK	Determination of Factors Affecting Performance in Wheelchair Basketball Athletes: Digital Functional Level Classification System as a Best Practice Model for Classification- Digital Scale Development	02.01.2023	02.01.2025
TÜBİTAK	Development of Hybrid Energy Production and Optimization System for Energy Efficient Buildings Project	03.01.2023	01.09.2024
TÜSEB	Immunomodulatory Effect of Human Umbilical Cord-Derived Mesenchymal Stem Cells on Regulatory T Cells Obtained from Type I Diabetic Patients	28.04.2023	28.04.2025
TÜBİTAK	Early-stage pediatric cardiovascular anomaly detection	05.07.2023	05.07.2026
TÜBİTAK	Development of New Generation DOPA-Modified, Antibacterial and Hemostasis Injectable Surgical Tissue Adhesives to Prevent Air Leakage After Lung Surgery	15.05.2022	15.05.2025

ORGANIZATION FUNDING THE PROJECT	PROJECT NAME	PROJECT START DATE	PROJECT COMPLETION DATE
TÜSEB	Development of a new generation tissue adhesive that is conductive, hemostatic, has high adhesion in dynamic environments, is biocompatible and cost-effective for use in cardiovascular surgery.	14.07.2023	14.07.2025
TÜBİTAK	Investigation of the Efficacy of Tepotinib-Temozolomide Combination in IPSC-Derived Cerebral Organoids by Creating a Stage IV Glioblastoma Multiforme-Like Cancer Model in a 3D Environment	15.04.2022	15.12.2024
TÜSEB	Antiviral CRISPR/Cas7-11 Treatment Approach to SSPE Disease	10.03.2023	10.01.2025
TÜSEB	Development of CRISPR-Cas9 Targeting Carrier System to be Loaded into Exosome/Liposome Hybrid Nanoparticle Systems that Can Be Used for the Treatment of DMD Disease	20.06.2023	20.04.2025
TÜBİTAK	Immunomodulatory Effect of Human Umbilical Cord-Derived Mesenchymal Stromal/Stem Cells on Peripheral Blood T Lymphocyte Cells from Type I Diabetic Patients	15.01.2023	15.07.2024
TÜBİTAK	Investigation of In Vivo Effects of TGF- β Signal Inhibition on Irinotecan Cytotoxicity in Colorectal Cancer Tumor Model	15.07.2023	15.07.2024
TÜSEB	Investigation of the Effectiveness of Motor Imagery and Virtual Reality Applications in Immobilization Process after Hand Surgery: A Good Practice Proposal for Clinical Decision Making in Hand Rehabilitation	18.12.2023	18.12.2024
TÜBİTAK	Near-Infrared Light-Triggered Scaffold for Noninvasive Monitoring of Therapeutic Release and Tissue Regeneration	01.08.2021	01.10.2024
EU-PRIMA	MEDWHEALTH-Development of new wheat-derived foods of the mediterranean diet with improved nutritional and health value	01.10.2021	01.10.2024
EU-European Research Executive Agency	NeuroVascularHealth-Deriving novel micro biomechanical indices based on clinical imaging and computational simulation data and analysis using machine learning for assessment of cerebrovascular and cognitive health	17.10.2022	17.10.2024
ERASMUS+	EDUSIGN & SIGNEDU: Joint Venture of Curriculum Studies and Artificial Intelligence in Sign Language	28.02.2022	27.08.2024
Air Force Office of Scientific Research	Gut microbiome and epigenetic changes under acute stress	30.09.2023	29.09.2026

ORGANIZATION FUNDING THE PROJECT	PROJECT NAME	PROJECT START DATE	PROJECT COMPLETION DATE
Erasmus+	ISDDP-Sustainable, Inclusive and Smart Development within Decentralization Process: the EU experience	01.04.2022	31.03.2025
TÜBİTAK	Investigation of angiogenic effects of various drugs in in ovo culture; personalized treatment approach by developing 3D tumors from cancer cell lines and patient-derived xenografts	01.10.2022	31.07.2023
TÜBİTAK	Production of a Novel Cosmic Ray Neutron Sensor Measuring Soil Moisture Amount in Large Areas	01.06.2022	30.11.2023
TÜBİTAK	Development of Self-Healing, Injectable and Conductive Hydrogel Systems for the Treatment of Spinal Cord Injuries and Investigation of Their Potential for Neural Tissue Engineering	01.03.2022	01.03.2023
TÜBİTAK	Development of Actively Shielded Gamma Probe	01.12.2021	01.09.2023
TÜBİTAK	Investigation of Forced Vibrations of Multi-Directional Functionally Graded Porous Microplates Under Moving Loads	01.06.2021	01.06.2022
TÜBİTAK	Evaluation of Serum Mts-C Level and Mts-C Gene Polymorphism Rs111033358 in Adolescents with Polycystic Ovary Syndrome	01.04.2021	01.03.2022
Republic of Türkiye Ministry of Culture and Tourism - Presidency for Turks Abroad and Related Communities	Turkish Enterprise Diaspora in Germany	15.01.2022	15.01.2023
TÜBİTAK	Effect of Matrix Stiffness on Autophagy, Apoptosis and Chemotherapy Response in Rhabdomyosarcoma Cells	15.02.2022	15.02.2023
TÜSEB	Investigation of the Effect of a Patented Compound: Palladium (II) Barbiturate Complex on Different Genetic Subtypes of Colon Cancer (BRAFMut vs KRASmut) in vitro and in vivo	18.06.2021	18.06.2023
TÜSEB	Effect of Combination of xCT Inhibitor IKE and 5-Fluorouracil on the Therapeutic Potential Enhancement in Colorectal Cancer Cells	24.06.2022	24.06.2023
TÜSEB	Effect of KRAS Mutation and Nrf2 Inhibition on Irinotecan Treatment in Colorectal Cancer	24.06.2022	24.06.2023
CRDF Global	Enhancing Cybersecurity Capabilities of Işinye University15.12.202215.12.2023	Enhancing Cybersecurity Capabilities of Işinye	Enhancing Cybersecurity Capabilities of Işinye

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ORGANIZATION FUNDING THE PROJECT	PROJECT NAME	PROJECT START DATE	PROJECT COMPLETION DATE
		University 15.12.202215.12.2023	University15.12. 202215.12.2023

STUDENT PROJECTS



Reducing Carbon Footprint from Transportation with Automobile Driving Training Simulation in the Metaverse Environment

TÜBİTAK



Informing Consumers About Water Used in Denim/Jean Washing Processes Within the Scope of Sustainable Development Goals. Measuring Behavioral Change in Target Audience Before and After Informing Consumers

TÜBİTAK



A Study to Reduce the Use of Petroleum Products in Carbon Footprint

TÜBİTAK



Investigation of the Usage Possibilities of Protein Hydrolysate Obtained from Fish Waste as a Cocoa Butter Substitute in Chocolate Production

TÜBİTAK



Open Source 6Dof Industrial Mini Robot Arm

TÜBİTAK

STUDENT PROJECTS



The Effect of the Peer Education Program 'Let's Reduce Our Ecological Footprint' on the Ecological Footprint Awareness of University Students

TÜBİTAK



Simulation Based Scenario Analysis for Integration of Electric Vehicle Charging Units into Fuel Stations in the Context of Sustainable Cities

TÜBİTAK



Improving Waste Management in Healthcare Institutions: Production of Medical Gloves from Plastic Barcodes

TÜBİTAK



Design and Fabrication of a Robotic Arm for Magnetic Field Measurements of a 1 MeV Cyclotron

TÜBİTAK

ARTICLES

1. Article

Environmental and energy valuation of waste-derived Cymbopogon Martinii Methyl Ester combined with multi-walled carbon (MWCNTs) additives in hydrogen-enriched dual fuel engine

Sathiyamoorthi, R., Naresh Babu, M., Devarajan, Y., Dinesh Babu, M., Varuvel, E.G.
International Journal of Hydrogen Energy, 2023

2. Article

Designing an efficient humanitarian supply chain network during an emergency: A scenario-based multi-objective model

Ghoushchi, S.J., Asghari, M., Mardani, A., Simic, V.M., Babaee Tirkolaee, E.B.
Socio-Economic Planning Sciences, 2023

3. Article

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	Spt.22	Oct.22	Nov.22	Dec.22	Jan.23	Feb.23	Mar.23	Apr.23	May.23	Jun.23	Jul.23	TOTAL
HOUSEHOLD WASTE KG	4310	6202	7265	7372	8970	6370	7285	7940	7925	5085	6930	75654
PAPER/CARDBOARD KG	577	648	1120	844	1207	905,5	1103	765	588	482	318	8557,5
GLASS KG	445	368	195	152	325	485	330	565	620	605	725	4815
METAL KG	65	60	89	60	47,5	95	128	108	241,5	154	246	1294
PLASTIC KG	949	852	876,5	384	245	385	712	619	171,5	946	681	6821
VEGETABLE OIL KG	0	0	0	0	10	0	0	25	0	0	10	45
ORGANIC WASTE	166	150	87,3	165,5	135	260	185	170	151	280	93	1842,8
MEDICAL WASTE	365	240	445	460	282	1802,5	1657	522	436	353	433,5	6996
TOTAL	6877	8520	10077,8	9437,5	11221,5	10303	11400	10714	10133	7905	9436,5	106025,3