



**SUSTAINABLE  
DEVELOPMENT**

**GOALS**



**SAKARYA  
UNIVERSITY**

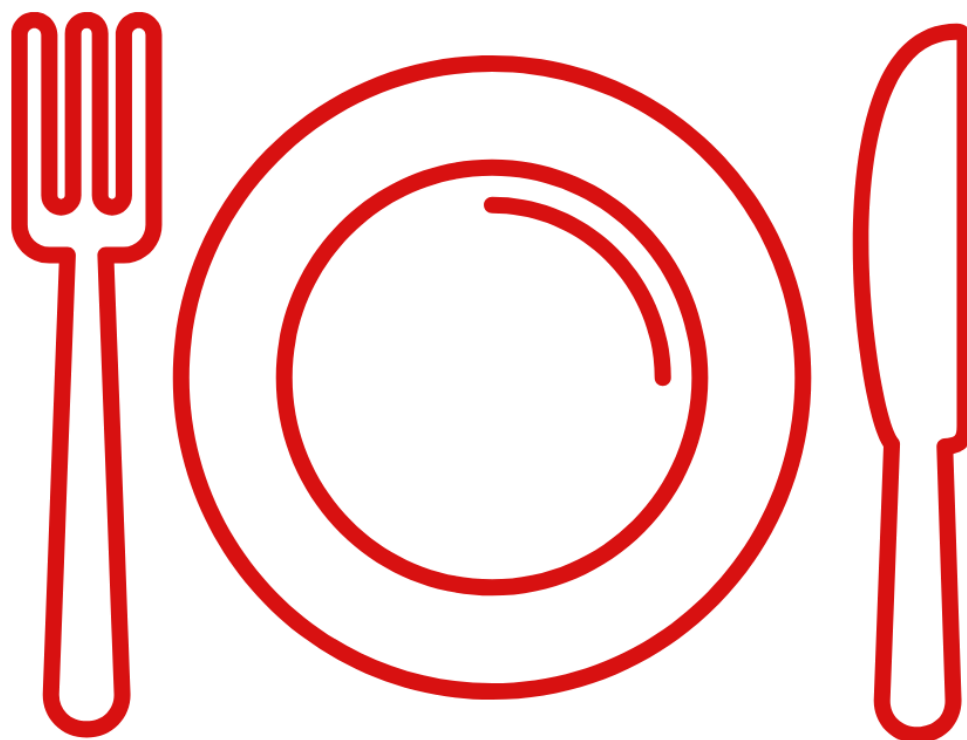
**SUSTAINABILITY REPORT**

**2020**

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**NO POVERTY**

**1 NO  
POVERTY**



### **UNIVERSITY ANTI-POVERTY PROGRAMS**

Our university has targets to admit students who fall into the bottom 20% of the country's household income group.

Sakarya University admits to teaching low-income students both national and international wide. We assist low-income students, and this is one of our strengths in our strategic plan SWOT analysis. We aim to increase the number of assisted students in a graduate degree, so this goal is defined in our strategic plan, and we monitor our achievements in terms of the assisted number of students. In the higher education system, low-income students in Turkey do not have an external application that facilitates their entrance. All of the universities in Turkey operate the intake of students with higher education entrance exams held nationwide. After our students enroll in the school, they are informed about the scholarships. Evaluation is made after the scholarship applications are received. Our university can award students whose family income is below the poverty line scholarships.

Sakarya University has graduation/completion targets for students who fall into the bottom 20% of the country's household income group.

Besides providing food, accommodation, or cash scholarships to our students who enroll in Sakarya University and certify that they are low-income, the success graph of these students is closely examined by consulting academics. Our students do not need to be above a certain level of success to receive Sakarya University scholarships. Food, accommodation, and cash scholarships provided by Sakarya University are not canceled if our students' academic success falls. Academic advisor support is provided for our students to be successful. On the other hand, it is unacceptable for our poor students to be deprived of university education if they do not have academic success.

For this reason, all scholarships provided by Sakarya University are related to the poverty level, and there is no academic success-oriented evaluation. However, scholarships awarded by different organizations are usually success-related, and if the students, who are below the poverty line, lose their private scholars because of their grades, our scholarship remains consistent.

### **COMMUNITY ANTI-POVERTY PROGRAMMES**

Our university provides financial assistance to the local community assisting the start-up of sustainable businesses.

Sakarya University provides financial assistance to the local community for assisting the start-up of sustainable businesses. Sakarya University does not charge entrepreneurs, innovators, or start-up companies for their business costs (electricity, natural gas, water, rental, etc.) In 2020 TECHNOCITY granted approximately 4,000 USD for Business Incubator Center and Student Projects. Also, G-FAST is a competition supported by Sakarya University, TECHNOCITY, and Technology Transfer Office (under Sakarya University). Students from all universities can apply for the competition, and their Project proposals are evaluated by a jury containing faculty members and professionals from the industry. Award-winning projects are supported with faculty assistance and mentorship, and also they get financial assistance from their projects and a financial award.

Our university organizes training or programs to improve access to basic services for all.

Sakarya University organizes training or programs to improve access to basic services for all. This training may refer to people from inside or outside of the university. On the other hand, MEDICO (Sakarya University Medical Social Institution) provides free medical assistance (inside and outside the university). It works as a community health center and serves basic health services. Doctors, psychiatrists, and nurses are employed here. Within Sakarya University, public training is provided on basic subjects such as healthy living, healthy nutrition, home economy, basic first aid, home accidents.



Our university participates in policymaking at local, regional, national, and global levels to implement programs and policies to end poverty in all its dimensions.

Some of the faculty members are appointed as members or advisors for policymaking for local (SESAM), regional (SESAM), national (ISEFAM, IKSAR), or global (SETA) institutions to implement programs and policies to end poverty in all its dimensions. Our faculty members research economic and poverty-related issues and organize reports. These reports are shared with the community and the relevant management units (municipality, ministry, etc.).

Our faculty members contribute to decision-making about economic issues and initiatives for decreasing poverty in all dimensions. Our faculty members regularly participate in researches and publish reports in the institutions mentioned above. Also, some of our faculty members regularly participate in TV programs every week on many national and local television channels, including the state's national television channel (TRT), and make evaluations about the economy in sessions to inform the society and decision-makers

Sakarya University has several programs to support local entrepreneurs. We assist the start-up of sustainable businesses through relevant education and resources. Our continuous education center (SAUSEM) plans courses systematically throughout the year to support entrepreneurs in terms of building start-up businesses, and our TECHNOCITY and Business Incubator Center gives working areas or offices for innovators and start-up businesses. This service is free of charge. The start-ups should prepare projects to continue to stay in TECHNOCITY or Business Incubator Center. Also, entrepreneurs from outside the university are allowed to get the same assistance from the institutions. They also may

use laboratories and other required university facilities. TECHNO CITY and Business Incubator Center prepare mentorship programs for both the students and the community and prepares training workshops about innovation, entrepreneurship, related national and international Project programs, etc. apart from





**ZERO HUNGER**

**2 ZERO  
HUNGER**





## CAMPUS FOOD WASTE

According to our agreement with the catering company that serves on the campus, the amount of waste is measured before the disposal process.

**Number of graduates 8.980**

<b>Number of graduates from agriculture and aquaculture courses, including sustainability aspects</b>	<b>3.499</b>
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Clean food, which is not served before, is directed to needer determined by the Metropolitan Municipality. Food waste is classified and taken away by the related companies for the disposal or recycling process. Organic waste may be used as biogas or liquid biofertilizer. Various studies are carried out for the recycling of organic wastes within the university area. There is an organic waste dump area on the campus to recycle organic wastes and use them as fertilizers. Some of the waste is collected in the dumpsite and processed for recycling.

**Total food waste 996mt**

**Number of the campus population 44.469**

## STUDENT HUNGER

Our university has a program in place on student food insecurity/hunger.

The dietician determines the food menu according to the amount of energy (kcal) required by the individuals and considers the nutritional balance. In the context of students' food safety, samples are taken from meals every day, and these samples can be sent for analysis when food poisoning is. Samples of all meals are kept for one week. The Ministry of Agriculture and Forestry inspects the catering company that provides catering services, and it is checked that they produce the following hygienic conditions.

Our university provides interventions to target hunger among students and staff. Food scholarships are given to students in need at Sakarya University, and these students do not pay for lunch and dinner. According to the catering

company's agreement, part of the meal cost per person is paid by the university, so individuals' food expenses may be kept at a low price.

## NATIONAL HUNGER

Our university provides access to food security and sustainable agriculture knowledge/skills/technology to local farmers and food producers. Sakarya University supports local farmers and food producers in food security and sustainable agriculture knowledge, skills, and technology. Some of our faculty members work on pests that cause harm to agricultural products and support farmers in combating this harm with living creatures. Also, information meetings are held on sustainable agriculture methods and technologies. Farmers' demands and regional expectations, and needs are considered in R&D studies for sustainable and safe agriculture. Many studies in the plant and tissue culture laboratory within Sakarya University can continue and contribute to safe agriculture knowledge and skills. Reports of the work done in this laboratory are regularly shared with agricultural cooperatives. Our university provides events for local farmers and food producers to connect and transfer knowledge. An International Ornamental Planting Festival, of which Sakarya University is among the sponsors, is held every year. At the festival, producers of shrub and tree group ornamental plants, plant nutrition, and spraying suppliers, irrigators, illuminants, pot manufacturers, design and application offices, local administrations, public institutions and organizations, large-scale building companies, landscape architects, domestic market consumer focus, Azerbaijan, Foreign market consumer focuses from countries such as Turkmenistan, Uzbekistan, Iraq, Kazakhstan, Dubai, and Qatar come together. The findings obtained from the R&D studies conducted in the plant and tissue culture laboratory of Sakarya University are shared with farmers and food producers through seminars and press conferences. These studies are carried out with farmers and food producers. Therefore, our plant and tissue culture laboratory is naturally the farmers, academicians, and food producers' meeting point.



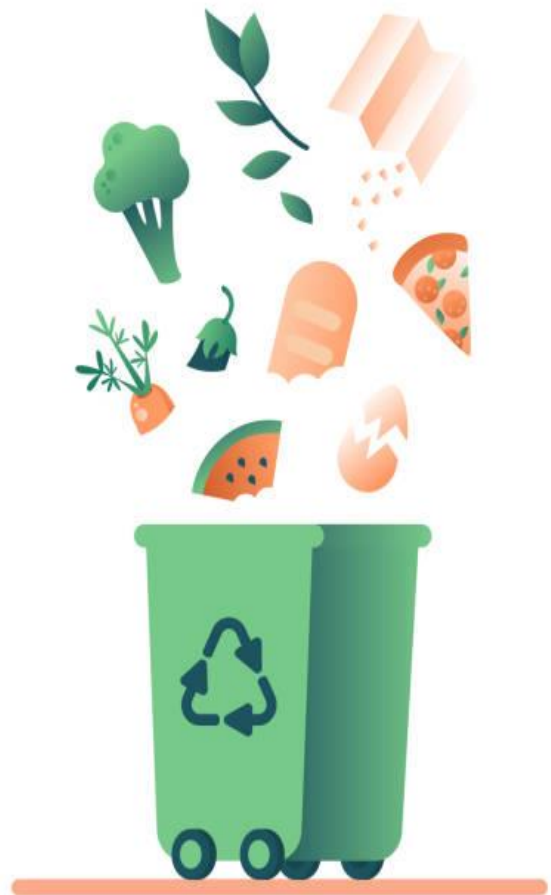


Our university provides access to university facilities to local farmers and food producers to improve sustainable farming practices. Sakarya University provides access to university facilities (e.g., labs, technology, plant stocks) to local farmers and food producers to improve sustainable farming practices. Local farmers and food producers can benefit from Sakarya University's laboratories. These people can submit their project requests regarding sustainable agriculture to Technopolis or Scientific Research Projects Unit. As a result of these requests, an R&D team consisting of Sakarya University faculty members and research assistants is formed, and the needs are projected. The plant and tissue culture laboratory serving at Sakarya University was established in cooperation with the Sakarya Chamber of Commerce and Industry. The studies here have conventionally focused on the mass production of some commercially important plants, which are difficult to produce in a short time and under aseptic conditions. These studies are diversified with the demands of the producers.

Our university prioritizes the purchase of products from local, sustainable sources. Sakarya University, like all state institutions in the country, carries out the purchasing process through tenders. Procurement by tender is a must for government agencies. Sakarya University attaches importance to obtaining the products subject to the tender from sustainable sources. Therefore, the condition of obtaining from sustainable sources is added among the tender conditions for possible products. Products offered in canteens and cafeterias are purchased from local producers. The catering firm provides the cafeteria service. Following the agreement made with the Katering company, care should be taken to use materials obtained from sustainable sources in meals. As a result, Sakarya University attaches importance to purchasing from local and sustainable sources through direct purchases and indirect purchases.

## PROPORTION OF GRADUATES IN AGRICULTURE AND AQUACULTURE INCLUDING SUSTAINABILITY ASPECTS

<b>Number of graduates</b>	<b>8.980</b>
<b>Number of graduates from agriculture and aquaculture courses, including sustainability aspects</b>	<b>3.499</b>





**GOOD HEALTH AND WELL-BEING**

**3 GOOD HEALTH  
AND WELL-BEING**



### NUMBER OF STUDENTS GRADUATING IN HEALTH PROFESSIONS

<b>Number of graduates</b>	<b>8.980</b>
<b>Number of graduates in health professions</b>	<b>593</b>

### COLLABORATIONS AND HEALTH SERVICES

Our university has current collaborations with local or global health institutions to improve health & wellbeing outcomes. A protocol has been signed between the Ministry of Health and Sakarya University to improve health and wellbeing outcomes. According to this protocol, our faculty members and students who work for the Faculty of Medicine will also be employed in research activities, workshops, seminars, etc., that are carried out at the body of Ministry of Health (national) and also Sakarya Education and Research Hospital (local). According to this agreement, our faculty members working in health and our students studying in this field use public hospitals as research and application centers and share these areas with the hospitals' personnel. Some of our faculty members work on health-related issues within SETA studies' scope and project global health conditions. They contribute to the analyzes and reports on the policies of the world health organization.

Our university delivers outreach programs and local projects to improve or promote health & wellbeing, including hygiene, nutrition, family planning, sports, exercise, aging well, and other health and wellbeing-related topics. Sakarya University has both in-house and public training in many subjects such as health, family interaction, healthy aging, healthy nutrition, obesity, and the use of harmful substances. These trainings are organized face-to-face or online. Our students volunteer for the Red Crescent Blood Center vehicles and contribute to the city's blood donation activities. There are many student societies for a healthy life, healthy eating, and various sports activities such as mountaineering and archery, and they continue their public works throughout the year. Communities that do not carry out activities every year are assumed as passive and closed. Also, the patents of medical products and hygiene products developed within Sakarya

University are transferred to local companies, and thus support is provided to the local committee in terms of R&D.

Our university shares sports facilities with the local community, for instance, with local schools or the general public. Access to social and activity areas at Sakarya University is free and open to public use. Institutions or sports clubs that want to organize sports activities can benefit from Sakarya University activity areas. Social areas, show areas, and halls are also open to the use of institutions. Activities and under what conditions these areas can be used are stated in the Sakarya University Health Culture and Sports Association regulation. Sakarya University Health Culture and Sports Association was established in order to organize and manage all kinds of Sports, Cultural, and Art Activities in order to protect the physical and mental health of students and to evaluate their leisure time, and to evaluate the facilities and areas belonging to the university under this purpose. This unit is responsible for ensuring that university academic staff, civil servants, and the public can also benefit from these facilities to the extent possible.



Our university provides students access to sexual and reproductive health-care services, including information and education services

Providing basic health services at Sakarya University, Medico provides doctor and consultant support for sexual and reproductive health. Also, in-service training and training for students and the public are organized on sexual and reproductive health and family planning. There are many courses on sexual and reproductive health and family planning at undergraduate and graduate levels in addition to these services. Students in all departments can choose these courses.

Our university provides students and staff with access to mental health support. At Sakarya University, seminars on mental health are given within the scope of in-service training and training open to the public and students. The psychiatrists working within the Medico on campus are open to the service of students and the public. People can come here and get psychiatric support. Within the scope of health services, services are provided with two physicians and seven nurses, 1 of which is an institution physician. Within the scope of psychological counseling and guidance services, services are carried out with four psychologists and three support personnel.

Our university has a "smoke-free" policy. Smoking is allowed only in areas designated for smoking on campus. Warnings show that smoking is prohibited in several areas, especially around buildings, at the entrance of buildings, and in front of windows. Warning visuals are drawn on the floor in most of these areas where smoking is prohibited. Also, the smoking areas are designed to prevent smokers from being affected by cold and adverse weather conditions such as rain and snow. People can smoke in gazebos, which are defined as a smoking area, open on the side, without walls, but with a closed top. These areas are not located in crowded areas, thus preventing cigarette smoke from bothering non-smokers.





**QUALITY EDUCATION**

**4 QUALITY  
EDUCATION**





## PROPORTION OF GRADUATES WITH TEACHING QUALIFICATION

**Number of graduates** **8.980**

<b>Number of graduates who gained a qualification that entitled them to teach at primary school level</b>	<b>988</b>
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## LIFELONG LEARNING MEASURES

Our university provides access to educational resources for those not studying at the university. The libraries of Sakarya University, physical and digital resources, and devices in the libraries are accessible to the public. The library unit organizes public training on the use of resources. Students who study at different universities can attend the courses at Sakarya University if their institution accepts them. During the registration period, they can register for the courses. Besides, they can register for all courses offered in the summer school without any pre-acceptance. Access to all faculties, departments, curricula, course contents, and course materials added by faculty members can be accessed through Sakarya University's education information system website (<https://ebs.sakarya.edu.tr/>). All of the materials on this site are open to public use. Our university host events at university open to the general public: public lectures and community educational events. Public training is provided within the Sakarya University Continuing Education Center.

Participants in these training can obtain certificates and be included in job placement programs depending on the training type. These trainings include paid and unpaid training. Public training and seminars on various topics are held in the congress center and general-purpose halls. Faculty members of Sakarya University evaluate the industry's training demands within the scope of industry-university cooperation goals. Our faculty members attend paid or free training and seminars for the sector through the Sakarya Chamber of Commerce and Industry. Our university host events at university open to the general public: executive education programs (this refers to short courses for people who are not attending the university; this specifically excludes courses like MBA) and/or vocational training. Sakarya University Continuing Education Center (SAUSEM) includes training or training series open to the public.

There is no need to take part in the university to attend this training. Within the scope of the training carried out by SAUSEM, there are various training such as vocational training, technical training, certification training. This training can be diversified according to the demand of the sector. Our university undertakes educational outreach activities beyond campus, in the community, including voluntary student-run schemes. Sakarya University organizes educational and social aid activities outside the campus. There are student societies for social aid and education purposes. Some of these communities are the aid community for the surrounding villages, the support community for individuals with special education, the diverse student community, and the drop student community. Participation in these communities and events is entirely voluntary. Sakarya University supports communities financially and in providing transfer vehicles. Some of the activities carried out within the scope of community activities are material aid, educational material assistance, theater performance for students, games, and activities for special education students, establishing a library, food aid, etc. Our university has a policy that ensures that access to these activities is accessible to all, regardless of ethnicity, religion, disability, or gender. Sakarya University's activities are open to society members without discrimination and are guaranteed by ethical behavior principles and Sakarya University ethical committee guidelines. No discrimination is made regarding race, ethnicity, national belonging, class, caste, religion, opinion, gender, gender, language, sexual orientation, gender identity, gender characteristics, age, health status, or other types of conditions in any process within Sakarya University. This right of equality applies to all processes such as recruitment, student recruitment, appointment and promotion, participation in events, and taking administrative duties. Equality is an internalized issue within Sakarya University, and sensitivity is shown on this issue. Other behaviors are considered discrimination and hate crime, and an investigation is initiated against the person or persons who committed this crime.

## PROPORTION OF FIRST-GENERATION STUDENTS

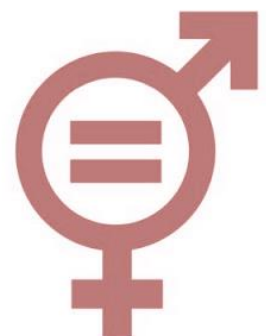
<b>Number of students</b>	<b>41.836</b>
<b>Number of students starting a degree</b>	<b>11.585</b>
<b>Number of first-generation students starting a degree</b>	<b>3.701</b>





GENDER EQUALITY

5 GENDER  
EQUALITY



### PROPORTION OF FIRST-GENERATION FEMALE STUDENTS

<b>Number of students</b>	<b>41.836</b>
<b>Number of students starting a degree</b>	11.585
<b>Number of first-generation students starting a degree</b>	3.701
<b>Number of women starting a degree</b>	5.846
<b>Number of first-generation women starting a degree</b>	1.639

in the Technopolis and the Incubation Center. The development of these enterprises is also monitored by the Women's Studies Application and Research Center.

Our university encourages applications by women in subjects where they are underrepresented. Sakarya University determines the areas where women are in the minority and works to increase women's orientation in these areas. Women-oriented studies are carried out in areas such as education, health, entrepreneurship, and administration. One example of these studies is the congresses aiming to expand the working and activity areas of women. Sakarya University hosted an international congress on women and health. Local and national level administrators attended this congress. Participants underlined in their speeches that they applied positive discrimination against women.

### STUDENT ACCESS MEASURES

Our university systematically measures/tracks women's application rate, acceptance/entry rate, and study completion rate. Sakarya University keeps track of the number of female students enrolled in student admission, completion time, and completion rate data. Our institution does not know the number and gender details of the students applying to Sakarya University. After the students gain the right to enroll, they are notified to the university. The application and examination process before this is carried out nationally by the Student Selection and Placement Center.

On the other hand, Sakarya University conducts an exam itself during the foreign student recruitment process. These data are monitored by the Women's Studies Application and Research Center and reported to the senior management. Studies are carried out within the Women's Studies Application and Research Center to increase women's higher education effectiveness.

Our university provides women's access schemes. Sakarya University provides mentorship, scholarship, and targeted support to women. The Women's Studies Application and Research Center, operating within Sakarya University, follows mentorship and targeted support practices. As a result of the examinations, it was determined that women who applied for a scholarship were more likely than men to be awarded a scholarship. In the context of their entrepreneurial skills, women are supported by Technopolis and Incubation Center. Some women have businesses or start-up companies

### PROPORTION OF SENIOR FEMALE ACADEMICS

<b>Number of employees</b>	<b>2.633</b>
<b>Number of academic staff</b>	<b>1.579</b>
<b>Number of senior academic staff</b>	<b>271</b>
<b>Number of female senior academic staff</b>	<b>38</b>

### PROPORTION OF WOMEN RECEIVING DEGREES

<b>Number of graduates</b>	<b>8.980</b>
<b>Number of graduates by subject area (STEM, Medicine, Arts&amp;Humanities/Social Sciences):</b>	<b>7.679</b>
<b>Number of graduates: STEM</b>	<b>2.654</b>
<b>Number of graduates: Medicine</b>	<b>593</b>
<b>Number of graduates: Arts &amp; Humanities / Social Sciences</b>	<b>4.432</b>

Number of female graduates by subject area (STEM, Medicine, Arts & Humanities / Social Sciences):	<b>3.953</b>
Number of female graduates: STEM	<b>810</b>
Number of female graduates: Medicine	<b>450</b>
Number of female graduates: Arts & Humanities / Social Sciences	<b>2.693</b>

### WOMEN'S PROGRESS MEASURES

Our university has a policy of non-discrimination against women. Sakarya University does not have any processes that examine and question the sexual orientation of individuals or any process that takes action accordingly. Individuals' sexual orientation is not questioned, or individuals are not forced to report their sexual orientation. It is understood that in the Senate Principles Regarding the Sakarya University Graduate Education and Training Regulations and the student admission legislation, all individuals are evaluated under the same conditions regardless of gender, and there is no gender discrimination in the application, evaluation, or admission processes. Also, there is no gender discrimination within the scope of employment principles. There is no gender discrimination in the rules applied in the employment of permanent civil servants, permanent workers, lecturers, or lecturers in public institutions and organizations.

Our university has a policy of non-discrimination for transgender people. Sakarya University does not have any processes that examine and question the sexual orientation of individuals or any process that takes action accordingly. Individuals' sexual orientation is not questioned, or individuals are not forced to report their sexual orientation. Also, there is no gender discrimination within the scope of employment principles. There is no gender discrimination in the rules applied in the employment of permanent civil servants, permanent workers, lecturers, or lecturers in public institutions and organizations. Our university has maternity and paternity policies that support women's participation. Academic and administrative staff at Sakarya University are subject to civil servants' law. According to the civil servants' law, women have the right to paid leave before and after birth. Men are entitled to paid paternity leave after birth. After the paid leave period, women can extend the maternity

leave period up to 2 years free of charge. Our university has accessible childcare facilities for students, which allow recent mothers to attend university courses. Women with children in pre-school education age can entrust their children to the kindergarten located on the campus and provide support within the university. This kindergarten serves between formal education hours. Our university has childcare facilities for staff and faculty. There is a foundation school within the university that serves from pre-school period to high school period. The foundation school serves all students but provides discounted service to university staff. Our university has women's mentoring schemes, in which at least 10% of female students participate. More than 10% of our female students participate in the international interdisciplinary women's studies congress held every year and in the training and social events organized by our Women Research Center. Our university has measurement/tracking of women's likelihood of graduating compared to men's and schemes to close any gap. The education period and graduation rates of female and male students are monitored. Accordingly, women's graduation period is shorter than men's, and their graduation rate is higher than men's. In the last five years, women's graduation rate has increased by two points in both undergraduate and graduate education. At Sakarya University, we carry out research and studies to shorten all our students' graduation periods and increase the graduation rate. Various practices are being tried to increase teacher-student interaction to increase our students' commitment to the school. Our university has a policy that protects those reporting discrimination from educational or employment disadvantage. Employees or students of Sakarya University can submit all their requests and complaints through the quality management system without reporting their identity. If the complainant's identity information is recorded, this information is not shared with the unit subject to the complaint. People can also report their complaints and requests to the department head, the dean's office, or the rectorate. The complainant's disadvantage due to the situation that is the subject of the complaint or for a different reason is under the disciplinary regulation protection. An investigation is initiated, and an investigation is initiated within the scope of higher education institutions' disciplinary regulation against those who exhibit negative behaviors such as uncomfortable, disadvantaged, or trying to bring others for various reasons. At Sakarya University, the investigation process is carried out in secrecy under the management of legal consultancy.

CLEAN WATER AND SANITATION

# 6 CLEAN WATER AND SANITATION



### WATER CONSUMPTION PER PERSON

Our university measures the total volume of water used in the university taken from the mains supply, desalinated, or extracted from rivers, lakes, or aquifers. Water extracted from springs within the campus boundaries is stored in 5 different tanks. All of the green areas in the campus are irrigated automatically with the water obtained from the source. Irrigation channels are laid on the floors of green areas. At times of irrigation, the tanks where the source water accumulates are activated, and the pressurized water is transported to the underground irrigation canals. The process of water accumulation and irrigation of green spaces is in an automatic cycle. The amount of water obtained from the springs has been measured as approximately 27 thousand cubic meters per year.

<b>The volume of water used in the university: Inbound (treated/extracted water)</b>	<b>68.028m<sup>3</sup></b>
<b>Number of campus population</b>	<b>44.469</b>

### WATER USAGE AND CARE

Our university has a process in place to treat wastewater. The wastewater generated in the campus is treated in the treatment facilities by the Metropolitan Municipality agreement. Wastewater passes through basic treatment filters before discharge. There are oil filters in the wastewater discharge channels in areas where oily wastes are formed, such as dining halls. The photograph of the oil filter in the dining hall area's wastewater drainage path is presented in the attached photo, but the photograph is unfortunately not very clear.

Our university has processes to prevent polluted water from entering the water system, including pollution caused by accidents and incidents at the university. Studies are carried out with the water and sewerage administration (SASKI) affiliated with the metropolitan municipality so that the wastewater does not interfere with the clean water network. On the other hand, since

Sakarya is located in the first-degree earthquake zone, the wastewater channels must be protected against possible earthquake risks and strong. Within the Metropolitan Municipality works' scope, a steel transmission line was laid in the region that includes Sakarya University. Despite these measures, filters are used in all wastewater discharge areas to minimize the damage resulting from contamination and damage to nature. Our university provides free drinking water for students, staff, and visitors. In Sakarya, the water flowing from the fountain can be drunk. Many analyzes have been made, and reports have been published regarding the safety of fountain waters. Faculty members of Sakarya University also contributed to these studies. Many documents and news have been published indicating that the water flowing from the fountain in Sakarya is cleaner and safer than the water offered for sale as drinking water. However, some people do not prefer to drink water from the fountain and consume ready-made water. There are water dispensers on the campus that are open to visitors and residents. Those who wish can use the water dispensers free of charge.

Our university applies building standards to minimize water use. Most of the buildings aged five and over in Sakarya University and all of the newer buildings are equipped with water-efficient devices. Water-consuming accessories such as faucets contribute to water savings with spraying apparatuses that reduce water use and increase efficiency and photocell usage. Filling areas such as siphons provide water efficiency with semi-filling adjustment and photocell mechanisms. More than 60% of the water use devices in Sakarya University have water-saving features.

Our university plants landscapes properly to minimize water usage. Sakarya province has rainy and humid weather and a mild climate. Winters are rainy and warm, and summers are hot. Plants that will need minimum maintenance in these climatic conditions are especially pine and cedar trees. Pine and cedar trees were used in the campus landscape to minimize water use. Also, palm trees grown in arid climates with little irrigation were used in a small landscaping part. All of the green areas on the campus are irrigated automatically with water extracted from the natural source. Mains water is not used in irrigation works.

## **WATER REUSE**

Our university has a policy to maximize water reuse across the university. All of the water used for irrigation at Sakarya University comes from natural sources. Wastewater is treated and discharged. The treated wastewater is used for irrigation of forest areas on the campus. Sakarya University has approximately 800 thousand square meters of forest area. Mains water is not used for irrigation of these areas and landscape areas. Water obtained through rainwater collection channels is also used for irrigation or for meeting the water needs of stray animals. Studies to improve reuse areas by treating wastewater are at the feasibility stage. Our university measures the reuse of water across the university. Studies on measuring the amount of reused water and increasing reuse rate are under the construction works and technical department's management and control.

## **WATER IN THE COMMUNITY**

Our university provides educational opportunities for local communities to learn about good water management. Courses on good water management are given at Sakarya University. These courses are open to all of our students. Those who are not in Sakarya University can access these courses' grades through the education information system. Apart from lecture notes, seminars on good water management are held open to the public. Our faculty members include academics who are experts in good water management. External sources finance the projects developed by our faculty members, and public information meetings and seminars are organized to increase the projects' widespread impact within the scope of these projects.

Our university actively promotes conscious water usage on campus and in the wider community. Among our student societies, some groups draw attention to water saving. Also, various activities are organized within the university and open to the public within our faculties' scope of water-saving patients. In one of these events, Damla Student Community prepared a documentary on water saving and presented it to various Sakarya districts. There are reminder visuals to draw attention to water-saving usage in the campus's water usage areas. Apart from incentives and informational

practices, there are currently water-efficient devices at many points on the campus.

Our university supports water conservation off-campus. Sakarya University attaches importance to protecting natural resources and proudly hosts studies in this area in the region. In the panel on water saving, organized by Sakarya University and attended by regional administrators, current practices and risks were discussed, and water resources protection recommendations were discussed.

Our university utilizes sustainable water extraction technologies on associated university grounds off-campus. Water extracted from natural resources within the campus boundaries is stored in 5 different tanks. All of the green areas in the campus are irrigated automatically with the water obtained from the source. Irrigation channels are laid on the floors of green areas. At times of irrigation, the tanks where the source water accumulates are activated, and the pressurized water is transported to the underground irrigation channels. Water accumulation and irrigation of green spaces are in a continuous and sustainable cycle.

Our university cooperates with local, regional, national, or global governments on water security. Sakarya University organizes many R&D studies and promotion programs and SASKI, which provides water supply to Sakarya on a local scale. Sakarya University hosts the panel held during the water week and brings together scientists and municipal units working on water conservation and security. Sakarya University academicians have regional and national research projects on water security. Findings obtained from regional projects are shared with regional management units and shed light on taking improvement actions. The majority of the nationally funded projects are supported by TUBITAK (Scientific and Technological Research Council of Turkey). Our researchers' technical equipment and equipment are financed within these projects' scope, and our faculty members' research skills are improved. Also, the findings of these projects are shared with national public institutions and ministries. Some of the projects realized within the scope of TUBITAK projects are prepared in response to national needs calls, and our academicians support the national development and improvement movement.





**AFFORDABLE AND CLEAN ENERGY**

**7 AFFORDABLE AND  
CLEAN ENERGY**



## UNIVERSITY MEASURES TOWARDS AFFORDABLE AND CLEAN ENERGY

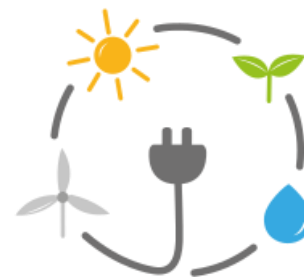
Our university has the policy to ensure all renovations / new builds are following energy efficiency standards. The construction works section carries out works involving smart building features to provide energy efficiency in every renovation or new building work carried out on the campus. Some of these efforts are mentioned in Sakarya University's greenmetric report. All new buildings in Sakarya University are equipped with energy-efficient devices. In the renovation works of existing buildings, energy-saving devices are used completely, and products that are due for renovation are replaced with energy-saving products. The use of energy-saving devices at Sakarya University is recorded and monitored by the building works unit. No purchases are made for devices that are not energy efficient. Care is taken to include natural lighting and natural ventilation systems in building constructions. All of the new buildings have an energy management unit, and the buildings are equipped with sensor devices (door, lighting, reservoir, faucet, etc.).

Our university has plans to upgrade existing buildings to higher energy efficiency. All technological devices are renewed with energy-saving models when the devices at Sakarya University fail or when it is time to renew the products. Even if the devices and buildings are not renewed, the building works unit regularly maintains the buildings every year. The devices to be changed during these maintenance works are renewed with electricity-saving models. 32% of the buildings in Sakarya University have the characteristics of smart buildings. There are building management systems, warning and alarm systems against fire and flood, energy management and monitoring panels, natural heating, ventilation, lighting applications, LED, sensor, and natural light areas. New buildings and laboratories are planned to produce the energy it needs. Sakarya University has renewable energy sources. Solar panels in new buildings meet the energy needs of the buildings significantly. Also, the energy obtained by wind turbines is used in laboratories. Sakarya University campus renewal is made in terms of reaching smarter and greener buildings. For now, 80% of the buildings are designed to take advantage of natural daylighting. 85% of the buildings have energy management centers and related staff for controlling and monitoring.

Our university has a process for carbon management and reducing carbon dioxide emissions. At Sakarya University, there are various practices and measures to measure and reduce

carbon dioxide emissions within the scope of carbon management. There are four different transportation initiatives to decrease private vehicles on campus. The first one is the busses which are serving as shuttles inside the campus. Instead of busses, people may use minibusses which are serving as shuttles inside the campus. Sakarya University is served by local buses and minibusses run by the Sakarya Metropolitan Municipality. These busses serve as a shuttle in the campus area. They do not take any charge from the individuals, and they are free for the people who get into the bus after the bus entered the campus area. This is also the same for the minibusses. There is no need for shuttle services instead. People may rent bicycles for free for transportation inside the campus. At Sakarya University, zero-emission vehicles are available and provided by the university for free. The students and staff can use the bicycles by giving their institutional ID cards to the officer. Also, there are bike parking areas in all parking areas and several buildings where there is any car parking area, but there is a bike parking area. These efforts aim to create awareness about the advantages of using bicycles. The last initiative is charging high banderole fees for vehicles and extra expensive banderole fee for the second vehicle of the same person

Our university has an energy efficiency plan in place to reduce overall energy consumption. Sakarya University follows several policies for energy saving and efficient use of energy in general. In this context, processes, and values regarding the use of energy-efficient devices, building smart buildings and equipping existing buildings with intelligent systems, increasing renewable energy resources, reducing annual electricity consumption, green building practices and carbon footprint measurement, and the processes and values related to reducing your carbon emissions. Our total electricity consumption is published comparatively in the Greenmetric report. The comparison of years shows that use of energy-efficient appliances enabled a significant in the electricity usage per month and also the total has been decreased.



Our university undergoes energy reviews to identify areas where energy wastage is highest.

There is an energy management request in smart buildings at Sakarya University. These systems record and report the energy consumption of the units. Also, building-based energy consumption is monitored monthly. Units with high energy use are examined by construction works and equipped with energy-saving devices to reduce energy consumption.

Our university has a policy on divesting investments from carbon-intensive energy industries, especially coal and oil. Sakarya University makes all of its energy investments in renewable energy resources. Energy-efficient products are at the forefront in both on-campus equipment investments and investments in R&D projects. There are more than thirty research centers and more than ten niche R&D laboratories at Sakarya University. In these laboratories, researches on the production of solar vehicles and rechargeable battery technologies are carried out. Also, a large investment is made in renewable energy resources at Sakarya University, and efforts are made to design or renew laboratories and new buildings to produce their own energy needs. In this context, there are applications of solar and wind energy systems.

#### ENERGY USE DENSITY

<b>Total energy used</b>	<b>36.170GJ</b>
<b>University floor space</b>	<b>82.560m<sup>2</sup></b>

#### ENERGY AND THE COMMUNITY

Our university provides programs for the local community to learn about the importance of energy efficiency, and clean energy. Sakarya University works to inform the public about energy efficiency and clean energy. Some of these studies are seminars and training organized within the university and open to the public. In addition to these, our student communities also have activities to inform the public about energy efficiency and saving. In the Sakarya region, the use of coal has been replaced by natural gas in recent years. Many seminars were held informing the public about the importance of using clean energy resources for clean air. Our faculty members have academic studies on sources that cause air pollution and methods to prevent them.

Our university promotes a pledge toward 100% renewable energy. Briefing panels, seminars, and conferences on renewable energy resources are

held at Sakarya University. Also, research centers are supported with new devices and financial resources in order to work in the field of renewable energy resources. There are guidance and support provided by the scientific research project commission for our students and faculty members to conduct R&D studies in the field of renewable energy. Sakarya University values the Greenmetric index and the energy efficiency title followed within the scope of this index. Sakarya University, according to its energy and climate change efforts, is ranked ninth in Turkey.

Our university provides direct services to local industries aimed at improving energy efficiency and clean energy. Sakarya University carries out its laboratory investments and project planning by prioritizing renewable energy sources' diversification or making them more efficient. One of the areas where Sakarya University's R&D centers and research teams are strongest is renewable energy resources. Research on solar panels and batteries for automobiles and vehicle production studies that consume renewable energy sources have achieved international success.

Our university informs and supports the government in clean energy and energy-efficient technology policy development. Sakarya University makes local, regional, national, and global reports on clean energy and energy efficiency issues and shares its reports with decision-makers. Our faculty members are involved in local and regional strategy development policies and decision processes. There are also studies under the heading of energy in the strategic plan of Sakarya Province, and the coordination of this plan belongs to the faculty member of Sakarya University. Also, regional, national and global projects and publications are produced.

Our university provides assistance for start-ups that foster and support a low-carbon economy/technology. Some companies and entrepreneurs conduct research and produce projects on energy efficiency in the incubation center and Teknokent at Sakarya University. Sakarya University supports these entrepreneurs financially and also through project mentoring programs. Material, laboratory, or research support is provided for the project needs of companies and entrepreneurs.



## 8 DECENT WORK AND ECONOMIC GROWTH



DECENT WORK AND ECONOMIC GROWTH

## EMPLOYMENT PRACTICE

Our university pays all staff and faculty at least the living wage, defined as the local living wage) or the local poverty indicator for a family of four. The government determines the salary of the academic and administrative staff at Sakarya University. The government has been negotiating and agreeing with the unions in determining the salary. Also, annual inflation is taken into account in the raise rate. The net salary (excluding additional fees) of all academic and administrative staff working at Sakarya University is above the subsistence limit. Also, additional payments are made based on some values, such as the number of children. Our academic staff receives regular academic incentives every.

Sakarya university recognizes unions & labor rights for all, including women & international staff. Sakarya University is a public university and is administered by the government. Academic and administrative staff at Sakarya University have the rights of public employees. Public employees in our country can be considered the most advantageous group in salary scale and employee rights. Employees' rights are determined as a result of negotiations between the government and trade unions. Also, all employees are paid annual leave, additional wage, promotion, raise, etc. Their rights in these matters are valid nationwide, and every public servant's rights are the same. In making decisions regarding public employees, the government communicates with all unions and organizations defending public worker rights.

Our university has a policy on ending discrimination in the workplace. Following the principles of ethical behavior applied at Sakarya University, our employees' religion, sexual orientation, gender, age, etc. It is strictly forbidden to classify and discriminate according to the criteria. These approaches are considered criminal and, if detected, an investigation is opened. All employees at Sakarya University have the same rights without making any difference. Only women are entitled to extra leave due to the possibility of pregnancy.

Our university has a policy commitment to no forced labor, no modern slavery and no human trafficking, and no child labor. The public employees' law guarantees the rights of the people working at Sakarya University. Sakarya University adopts public employee practices in terms of academic and administrative staff management. It is impossible to employ unregistered or illegal people in my university. Since Sakarya University is a state university, all

academic and administrative personnel recruitment is publicly announced, and the applicants are selected by drawing in the presence of a notary public. All academic staff who meet the appropriate conditions in academic staff recruitment can apply for the announcement, and the decision is made by the jury appointed from different universities. Recruitment processes are carried out and recorded in a completely transparent and objective manner.

Our university has a policy on guaranteeing equivalent rights of workers when outsourcing activities to third parties. The rules regarding outsourcing services at Sakarya University are guaranteed by the procedures and principles regarding the personnel employed within the scope of service procurement in public institutions. Accordingly, Sakarya University obliges the employees of all institutions that outsource services to have equivalent rights. Our institution audits outsourced companies, and the contract can be terminated unilaterally if the conditions are not met.



Our university has a policy on pay scale equity, including a commitment to measurement and elimination of gender pay gaps. In determining the staff's wages at Sakarya University, gender, religion, language, race, etc. Features such as are not considered. The individuals' salaries are determined only according to their seniority or hierarchical levels, and the determined salary is valid in all state universities in the country. Rules regarding outsourcing are guaranteed by the procedures and principles regarding the personnel employed in the public institutions. Accordingly, Sakarya University obliges the employees of all institutions that outsource services to have equivalent rights. Our institution audits outsourced companies, and the contract can be terminated unilaterally if the conditions are not met.

Our university measures/tracks pay scale gender equity. According to the ethics committee guidelines and standards of Sakarya University, individuals cannot be treated differently in any situation due to their gender. For this reason, people cannot receive different fees. At Sakarya University, wage scale equality is not followed because individuals' wages are determined according to their authorities or seniority, and this fee is fixed nationwide. No unique feature can change the fee. Employees at Sakarya University can submit their requests or complaints by stating their identities or anonymously through our integrated management system's quality management information system. Also, they can write their wishes and complaints on a piece of paper or print them out in the wishes and complaints boxes in each unit. The identities of our employees are not recorded and kept by Sakarya University unless they want to.

#### STATISTICAL OVERVIEW

<b>Number of employees</b>	<b>2.633</b>
<b>Number of academic staff</b>	<b>1.579</b>
<b>University expenditure</b>	<b>₺333.979.368</b>

<b>Number of students</b>	<b>41.836</b>
<b>Number of students with work placements for more than a month</b>	<b>8.782</b>

<b>Number of employees</b>	<b>2.633</b>
<b>Number of employees on contracts of over 24 months</b>	<b>19</b>







## 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



INDUSTRY INNOVATION AND INFRASTRUCTURE

### UNIVERSITY SPIN OFFS

Number of university spin-offs	55
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### RESEARCH INCOME FROM INDUSTRY

Sakarya University has more than thirty research centers and more than ten research laboratories. Also, research studies are carried out within the incubation center and Technopolis. In these areas, project-based or commercialized product-based revenues are generated. Sakarya University is also used by its geliştirilerek with human resources and distance education system and integrated management system Improvement continued to be a lot higher education institutions in Turkey and the world. Sakarya University has many commercialized products. In 2019, increased research revenues were achieved with patented products and national and international projects accepted.

### Research income: Total ₺5.842.478

The income obtained from research in science, technology, engineering, and mathematics has been collected under this heading. Sakarya University, which has a very strong R&D structure, especially in engineering, has the highest R&D income from this field.

Research income by subject area: STEM  
₺4.236.819

Research revenues include project revenues and commercialized product revenues. Revenues related to R&D projects and studies carried out in the training and research hospital and medical laboratories affiliated to Sakarya University are reported in this group.

### Research income by subject area: Medicine ₺756.511

The revenues of national and international projects carried out by our academics in arts, humanities, and social sciences are reported in this group.

Research income by subject area: Arts & Humanities / Social Sciences	₺849.148
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Number of employees	2.633
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Number of academic staff	1.579
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Number of academic staff by subject area: Medicine	362
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Number of academic staff by subject area: Arts & Humanities / Social Sciences	863
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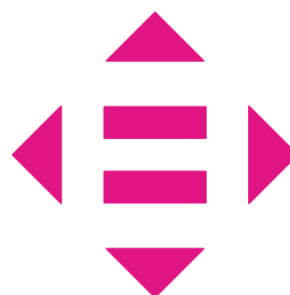
Number of academic staff by subject area: STEM	453
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REDUCED INEQUALITIES

10 REDUCED INEQUALITIES



### FIRST-GENERATION STUDENTS

<b>Number of students</b>	<b>41.836</b>
<b>Number of students starting a degree</b>	11.585
<b>Number of first-generation students starting a degree</b>	3.701

### STUDENTS FROM DEVELOPING COUNTRIES

<b>Number of students</b>	<b>41.836</b>
<b>Number of international students from developing countries</b>	2.851

### PROPORTION OF STUDENTS WITH DISABILITIES

<b>Number of students</b>	<b>41.836</b>
<b>Number of students with disability</b>	116

### PROPORTION OF EMPLOYEES WITH DISABILITIES

<b>Number of employees</b>	<b>2.633</b>
<b>Number of employees with disability</b>	29

### MEASURES AGAINST DISCRIMINATION

Our university has an admissions policy that is non-discriminatory or details and explains the logic for any appropriate positive discrimination policies

in admissions, which is publicly posted. Higher education institutions are protected by Sakarya University's ethical conduct principles, which do not discriminate in the recruitment of students, administrative staff, or academics. According to these rules, which the Sakarya University ethics committee carefully applies, there is no discrimination between individuals based on various characteristics. There is only positive discrimination towards the recruitment of disabled students and staff. The staff for the disabled are determined externally outside the main staff. The principles regarding this application are explained in detail in logical application principles open to public scrutiny.

Sakarya University monitors the applications and acceptance of minority groups. At Sakarya University, students in groups can be qualified as minorities in various ways, such as international students, disabled students, non-traditional students, and low-income students. The distinction between these groups is known only by the Dean of Students. When one is entered among the students, the differences between them cannot be understood unless they want to. For example, a disabled student disability may be invisible from the outside or to a lesser extent. In this case, nobody, including friends, faculty members, dean, rector, knows that this student has the status of a disabled student. Even the disabled student unit does not contact the student unless the student declares himself. There are different quotas for international students and disabled students. No discrimination is made for students outside of these groups. Nevertheless, there are minority groups among student societies, and they organize activities that add color and variety to Sakarya University throughout the year.

The university does not consider discrimination such as sexual orientation, gender, religion, language, race among the discrimination issues listed above as a difference, and no different policies are applied to these people. These people are no different from Sakarya University. There are different quotas and support programs for international students, disabled students, staff/faculty, and low-income students. A different public personnel selection examination is applied for the disabled, and the quota is also different.

Disciplinary regulations, investigation regulations, and regulations on disabled students in Sakarya University include discrimination or harassment cases as a crime. Details of the investigation and criminal sanctions regarding these crimes are published publicly.

The ethical rules and equitable approach applied at Sakarya University are under the control and management of the ethics committee assigned and authorized by the university administration. There is also a support and counseling unit for the disabled. Sakarya University Disabled Student Unit aims to determine the needs of disabled students regarding education, training, scholarship, administrative, physical, housing, social, and similar areas while continuing their education. The unit determines the measures to be taken to meet these needs, proposes solutions to eliminate them, and makes the necessary arrangements to coordinate with other units or departments at the university. It develops programs and projects, organizes seminars, conferences, and similar activities to increase awareness and sensitivity in disability.

Sakarya University offers many services such as accessible support for disadvantaged groups, psycho-social and academic counseling, scholarship services, peer support, mentoring support, and course partnership. The disabled student unit carries out these services.

There are elevators in faculty and administrative buildings in order to expand the transportation area of the disabled. Also, there are single chairs at the entrance of the faculties. There is a perceptible line (visually impaired path) on the floor for visually impaired individuals. It is ensured that all lessons of disabled students are held in classrooms with the highest accessibility. The disabled student unit carries out the coordination of this process.

Disabled individuals are provided with devices suitable for their disabilities or many facilitating services such as personal assistant, peer support, mentor support, and course partnership. We offer embossed documents for the visually impaired or visual materials for the hearing impaired. Also, the device needs of our disabled students with low income are met by Sakarya University. Among the products offered to our disabled students, there are devices and software such as book reading machines, embossing printer, screen reader program, screen enlarging program, relief screen.

Sakarya University Disabled Student Unit aims to determine the needs of disabled students regarding education, training, scholarship, administrative, physical, housing, social, and similar areas while continuing their education. The unit determines the measures to be taken to meet these needs, proposes solutions to eliminate them, and makes the necessary arrangements to coordinate with other units or departments at the

university. It develops programs and projects, organizes seminars, conferences, and similar activities to increase awareness and sensitivity in disability. Sakarya University offers many services such as accessible support for disadvantaged groups, psycho-social and academic consultancy, scholarship services, peer support, mentoring support, and course partnership. These services are carried out by the disabled student unit.

The Disabled Student Unit offers scholarship opportunities for disabled students. Also, free transportation, accommodation and nutrition services are provided for low-income students. Care is taken to ensure that the accommodation and education areas of disabled students are easily accessible in terms of transportation. The application procedures and principles that provide positive discrimination for disabled students are publicly published on our legal consultancy website.







SUSTAINABLE CITIES AND COMMUNITIES

**11** SUSTAINABLE CITIES  
AND COMMUNITIES





## SUPPORT OF ARTS AND HERITAGE

Our university provides public access to buildings, monuments, or natural heritage landscapes of cultural significance. Sakarya University campus is open to public access. Security is provided by camera recording systems and license plate recognition systems at entrances and exits. Individuals can access the buildings at Sakarya University or green spaces, parking areas, natural areas.

Our university provides public access to libraries, including books and publications. Sakarya University library is open to public access. Individuals can come to the library building and benefit from the books and publications there. Also, people can benefit from the digital resources that the library is a member of online without coming to the library building.

Our university provides public access to museums, exhibition spaces/galleries, and/or works of art and artifacts. Events conference and conferences, panels, and seminars held at Sakarya University are open to public access. Also, exhibitions, concerts, and art galleries are open to public access and participation.

Our university contributes to local arts in terms of the number of university choirs/theatre groups/orchestras' annual public performances. Concerts and various art shows are regularly organized every year by the conservatory within Sakarya University. Private and public theaters can also use the halls in the congress center. Private theaters are open to the public for a fee, and theater and art performances prepared by Sakarya University are free of charge. Sakarya University events are announced on the Sakarya University website and social media accounts. Concerts and various art shows are regularly organized every year by the conservatory within Sakarya University. Private and public theaters can also use the halls in the congress center. Private theaters are open to the public for a fee, and theater and art performances prepared by Sakarya University are free of charge. Sakarya University events are announced on the Sakarya University website and social media accounts. Concerts and various art shows are regularly organized every year by the conservatory within Sakarya University. Private and public theaters can also use the halls in the congress center. Private theaters are open to the public for a fee, and theater and art performances prepared by Sakarya University are free of charge. Sakarya University events are announced on the Sakarya University website and social media accounts.

Our university delivers projects to record and/or preserve intangible cultural heritage such as local folklore, traditions, language, and knowledge. Many performances or events are organized at Sakarya University to spread the cultural heritage of local and international active origins. Art groups and student societies at Sakarya University organize performances or exhibitions, seminars related to our local cultural heritage.

## EXPENDITURE ON ARTS AND HERITAGE

Under this heading, only the expenditures or investments made to protect and disseminate the arts and cultural heritage are reported within the university's general expenditure items.

<b>University expenditure</b>	<b>₺333.979.368</b>
<b>University expenditure on arts and heritage</b>	<b>₺16.040.926</b>

## SUSTAINABLE PRACTICES

Our university measures and sets targets for more sustainability. Sakarya University attaches importance to measures and activities to reduce carbon emissions from within the campus for more sustainable transportation. The carbon footprint is measured and monitored regularly. There are alternatives such as widening walking paths, pedestrian priority crossing areas, free bicycle applications, free minibus, and bus service to reduce carbon emissions. Details on these applications have been reported within the scope of Greemetric studies.

Our university undertakes actions to promote the % of more sustainable commuting. At Sakarya University, there are various practices and measures to measure and reduce carbon dioxide emissions within the scope of carbon management. There are four different transportation initiatives to decrease private vehicles on campus. The first one is the busses which are serving as shuttles inside the campus. Instead of busses, people may use minibusses which are serving as shuttles inside the campus. Sakarya University is served by local buses and minibusses run by the Sakarya Metropolitan Municipality. These busses serve as a shuttle in the campus area. They do not take any charge from the individuals, and they are free for the people who get into the bus after the bus entered the campus area. This is also the same for the

minibusses. There is no need for shuttle services instead. People may rent bicycles for free for transportation inside the campus. At Sakarya University, zero-emission vehicles are available and provided by the university for free. The students and staff can use the bicycles by giving their institutional ID cards to the officer. Also, there are bike parking areas in all parking areas and several buildings where there is any car parking area, but there is a bike parking area. These efforts aim to create awareness about the advantages of using bicycles.

The last initiative charges high banderole fees for vehicles and an extra expensive banderole fee for the same person's second vehicle.

Our university promotes or allows telecommuting or remote working for employees as a matter of policy or standard practice and/or offers a condensed working week to reduce employee commuting. Before the COVID measures were included in the scope of application in 2020, Sakarya University also supported remote working and distance education alternatives. Thanks to our experience and infrastructure in this field, we did not experience any distance education disruptions during the epidemic period. We took a leading and educational role in providing infrastructure support to other universities on the national fork. Both students and educators can work remotely within the Sakarya University distance education center. Thanks to the distance education software developed by Sakarya University, educators can teach from their homes. Departures of administrative staff are under the control of the unit managers. On the other hand, academic staff commutes are not monitored due to flexible course hours and their ability to provide distance education.

Our university provides affordable housing for employees. There are lodging areas at various points of the university campus. Sakarya University employees can benefit from the lodgings for a very small rental fee. The directive regarding the use of housing has been announced on the legal consultancy website. Employees can request lodging through the system.

Our university provides affordable housing for students. Our students have the opportunity to live in more than one dormitory located in and around the campus. Some of these dormitories are offered completely free of charge by Sakarya University. Some dormitories are under the management of the ministry and provide free service to our students.

Our university prioritizes pedestrian access on campus. The pedestrian priority rule is applied in all areas on the campus. Warning signs and traffic signs are reminding pedestrian priority on the roads. Our university works with local authorities to address planning issues/development, including ensuring that residents can access affordable housing. Sakarya University cooperates with local governments in order to meet the needs of individuals under more favorable conditions. Sakarya University, which supports affordable accommodation opportunities in the campus area, cooperates with Sakarya Metropolitan Municipality to provide affordable accommodation services within social services.

Our university builds new buildings to sustainable standards. Special attention is paid to the new buildings built at Sakarya University to have smart building features. WorldGBC standards are followed in smart building features. 32% of the buildings in Sakarya University have smart buildings' characteristics. There are building management systems, warning and alarm systems against fire and flood, energy management and monitoring panels, natural heating, ventilation, lighting applications, LED, sensor, and natural light areas. New buildings and laboratories are planned to produce the energy it needs. Sakarya University has renewable energy sources. Solar panels in new buildings meet the energy needs of the buildings significantly. Also, the energy obtained by wind turbines is used in laboratories. Sakarya University campus renewal is made in terms of reaching smarter and greener buildings. For now, 80% of the buildings are designed to take advantage of natural daylighting. 85% of the buildings have energy management centers and related staff for controlling and monitoring. Also, 90% of the durable consumer goods in Sakarya University consist of energy-saving devices; LED lighting is used in 55% of lighting devices.



RESPONSIBLE CONSUMPTION AND  
PRODUCTION

12 RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



## OPERATIONAL MEASURES

Our university has a policy on the ethical sourcing of food and supplies. Sakarya University applies protocols for the ethical procurement of food and materials. Food engineers and dieticians constantly supervise the meals prepared in the cafeteria. Menus are prepared by the Administration's Menu Planning Committee, and food practices approved by the Health, Culture, and Sports Department are notified to the contractor in writing until the 25th of each month. The contractor must comply with these lists. Also, the purchasing conditions of the food offered at Sakarya University comply with ethical conditions and are carried out following the directive on receiving services from outside in public institutions.

Our university has a policy on waste disposal - Covering hazardous materials. Inorganic Waste treatment in Sakarya University aims to gather plastic, glass, metal, paper, digital, and medical waste and deliver them to waste treatment areas for recycling and classify valuable materials for reuse. Sakarya University works with Sakarya Metropolitan Municipality. The staff gathers the waste from the campus regularly. The faculty may also call the environmental services office to gather the batteries or the digital waste when enough waste is collected. Several programs are implemented to create awareness for classifying and delivering the waste for recycling, and these are referred under the heading for recycling programs. Toxic and hazardous wastes of Sakarya University are stored in a special collection area, given to İZAYDAŞ at regular intervals, thus ensuring that they are disposed of without harming the environment. All toxic wastes of the university are necessarily disposed of in this way. Also, hazardous waste such as batteries and printer cartridges are collected and recycled.

Our university has a policy on waste disposal - To measure the amount of waste sent to landfills and recycled. Sakarya University follows a legal method for the disposal of wastes within the scope of zero waste regulation. The amount of waste disposed and recycled is recorded monthly, according to their types. The implementation and monitoring of waste management regulations are under the direction of the environmental commission established within the university.

Our university has policies around use minimization - Of plastic. At Sakarya University, there are policies for implementation in plastic usage areas to minimize plastic use. In areas such as cafes, cafeterias, canteens, and teahouses, presentations were given with durable materials

instead of disposable or plastic products. Also, these policies are specified among the rules that must be followed in the service purchase contracts of companies serving in the fields of plastic use.

Our university has policies around use minimization - Of disposable items. At Sakarya University, there are policies to be implemented in disposable products to minimize the use of disposable products. In areas such as cafes, cafeterias, canteens, and teahouses, presentations were given with durable materials instead of disposable or plastic products. Also, these policies are specified among the rules that must be followed in the service purchase contracts of companies serving in the fields of plastic use.

Implementing the procedures and principles regarding the minimization of disposable and plastic products also includes our supplier companies and businesses from which we purchase services. These rules are included in the contracts of companies. These rules also include our supplier companies and businesses from which we purchase services. These rules are included in the contracts of companies.

## PROPORTION OF RECYCLED WASTE

The amount of waste disposed and recycled is recorded monthly, according to their types. The implementation and monitoring of waste management regulations are under the direction of the environmental commission established within the university.

<b>Amount of waste generated</b>	<b>240.733mt</b>
<b>Amount of waste recycled</b>	<b>530mt</b>
<b>Amount of waste sent to landfill</b>	<b>240.203mt</b>

## PUBLICATION OF SUSTAINABILITY REPORT

The sustainability report is prepared annually and is publicly published on our website. The sustainability report can be revised once a year if needed.



## CLIMATE ACTION

**13** CLIMATE  
ACTION



## LOW CARBON ENERGY USE

Total energy used 36.170GJ

Total energy used from low-carbon sources	1GJ
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## ENVIRONMENTAL EDUCATION MEASURES

Our university provides local education programs or campaigns on climate change risks, impacts, mitigation, adaptation, impact reduction, and early warning. Education programs, compulsory and elective courses, public seminars, and panels are organized in Sakarya University on reducing the risks and impacts of climate change. Our student communities carry out various activities on climate change. Also, our faculty members have scientific studies and projects in this field.

Our university has a university Climate Action plan shared with local government and/or local community groups. Sakarya University shares with the local government about the climate action plan. Our faculty members contribute to the development of the provincial strategic plan. The strategic plan also includes climate-related strategies.

Our university participates in cooperative planning for climate change disasters, working with the government. Sakarya University contributes to cooperation planning for climate change disasters. It supports decision-makers with many materials, including projects, reports, analyses, and academic publications.

Our university informs and supports the local or regional government in local climate change disaster/risk early warning and monitoring. Sakarya University informs and contributes to local and regional administrations on climate change and disaster. It supports decision-makers with many materials, including projects, reports, analyses, and academic publications.

Our university collaborates with NGOs on climate adaptation. Sakarya University works in cooperation with NGOs on climate adaptation. Public information events are organized. Both our academicians and students take part in these

activities and activities with awareness projects and R&D projects.

## COMMITMENT TO CARBON NEUTRAL UNIVERSITY

According to the Greenhouse Gas Protocols, our university has a target date by which it will become carbon neutral. According to the Greenhouse Gas Protocols, the date when Sakarya University is planned to be carbon neutral is 2023. Although the government sets this target, it is followed sensitively by the environmental commission. The decline in carbon emissions over the years increases our belief that we will be carbon neutral in 2023.

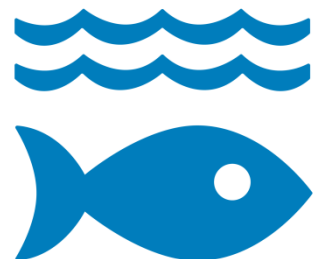






**LIFE BELOW WATER**

**14** LIFE  
BELOW WATER



## **SUPPORTING AQUATIC ECOSYSTEMS THROUGH EDUCATION**

Our university offers educational programs on fresh-water ecosystems for local or national communities. Sakarya University has many education programs on fresh-water ecosystems. Participation in educational programs is open to the public. Also, individuals can access the educational content and course materials offered online.

Our university offers educational programs/outreach for local or national communities to manage fisheries, aquaculture, and tourism. Participation in educational programs is open to the public. Also, individuals can access the educational content and course materials offered online. Our university offers educational outreach activities for local or national communities to raise awareness about overfishing, illegal, unreported, unregulated fishing, and destructive fishing practices. Our student societies and the environmental commission at the university organize informative and awareness-raising activities.

## **SUPPORTING AQUATIC ECOSYSTEMS THROUGH ACTION**

Our university support and/or organize events to promote conservation and sustainable utilization of the oceans, seas, lakes, rivers, and marine resources. Sakarya University Academic and Social Development Center (SASGEM) "Water Management; A conference on "Local and Global Risks, the Case of Sakarya" was held. Water management in the world and Turkey and in this context, emerging water issues that knowledge on the subject experts, the world population is growing rapidly, so very serious problems in terms of the use of global water was expressed that there may be. Underlining that serious problems will be experienced in terms of access to drinking water if measures are not taken in areas such as treatment of contaminated water, agricultural irrigation, and water basins pollution, experts said that the water's increasing prominence problem poses a significant management risk.

Our university has the policy to ensure that food on campus from aquatic ecosystems is sustainably harvested. According to the dining hall agreement rules, food from aquatic ecosystems must be obtained with sustainable harvesting opportunities.

Our university works directly to maintain and extend existing ecosystems and their biodiversity,

of both plants and animals, especially ecosystems under threat. In the plant and tissue laboratory of Sakarya University, direct studies are carried out to protect and expand the existing ecosystems and biological diversity of plants and animals.

Our university works directly on technologies or practices that enable the marine industry to minimize or prevent damage to aquatic ecosystems. Our faculty members have scientific publications and national and international projects in this field.

## **WATER SENSITIVE WASTE DISPOSAL**

Our university has water quality standards and guidelines for water discharges. The wastewater generated in the campus is treated in the treatment facilities following the Metropolitan Municipality agreement. Wastewater passes through basic treatment filters before discharge. There are oil filters in the wastewater discharge channels in areas where oily wastes are formed, such as dining halls.

Our university has an action plan in place to reduce plastic waste on campus. At Sakarya University, there are policies for implementation in plastic usage areas to minimize plastic use. In areas such as cafes, cafeterias, canteens, and teahouses, presentations were given with durable materials instead of disposable or plastic products. Also, these policies are specified among the rules that must be followed in the service purchase contracts of companies serving in the fields of plastic use.



Our university has a policy on preventing and reducing marine pollution of all kinds, particularly from land-based activities. The wastewater generated in the campus is treated in the

treatment facilities following the Metropolitan Municipality agreement. Wastewater passes through basic treatment filters before discharge. There are oil filters in the wastewater discharge channels in areas where oily wastes are formed, such as dining halls. Studies are carried out with the water and sewerage administration (SASKI) affiliated with the metropolitan municipality to prevent wastewater from mixing with the clean water network.

On the other hand, since Sakarya is located in the first-degree earthquake zone, the wastewater channels must be protected against possible earthquake risks. Within the Metropolitan Municipality works' scope, a steel transmission line was laid in the region that includes Sakarya University. Despite these precautions, filters are used in all wastewater discharge areas to minimize the damage that will occur in contamination.

### **MAINTAINING A LOCAL ECOSYSTEM**

Our university monitors the health of aquatic ecosystems. In addition to monitoring water ecosystems' health with local stakeholders, Sakarya University carries out many projects on this subject.

Our university develops and supports programs and incentives that encourage and maintain good aquatic stewardship practices. Sakarya University Academic and Social Development Center (SASGEM) "Water Management; A conference on "Local and Global Risks, the Case of Sakarya" was held. Water management in the world and Turkey and in this context, emerging water issues that knowledge on the subject experts, the world population is growing rapidly, so very serious problems in terms of the use of global water was expressed that there may be. Underlining that serious problems will be experienced in terms of access to drinking water if measures are not taken in areas such as treatment of contaminated water, agricultural irrigation, and water basins pollution, experts said that the water's increasing prominence problem poses a significant management risk. Sakarya University Academic and Social Development Center (SASGEM) "Water Management; A conference on "Local and Global Risks, the Case of Sakarya" was held.

Our university collaborates with the local community in efforts to maintain shared aquatic ecosystems. The wastewater generated in the campus is treated in the treatment facilities following the Metropolitan Municipality agreement. Wastewater passes through basic treatment filters before discharge. There are oil

filters in the wastewater discharge channels in areas where oily wastes are formed, such as dining halls. Studies are carried out with the water and sewerage administration (SASKI) affiliated with the metropolitan municipality to prevent wastewater from mixing with the clean water network.

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LIFE ON LAND

15 LIFE ON LAND



## **SUPPORTING LAND ECOSYSTEMS THROUGH EDUCATION**

Our university supports and/or organizes events to promote conservation and sustainable land utilization, including forests and wildland. Activities promoting the protection and sustainability of forests and landscapes are organized at Sakarya University. Activities and seminars emphasizing the importance of green are organized for the protection of nature. Our student societies also actively work on protecting and sustainable use of spaces and carrying out awareness studies.

Our university has policies to ensure that food on campus is sustainably farmed. There is a directive in the agreements made with the companies that sell food or provide cafeteria services at the university that the crops should be preferred from the products grown with sustainable agriculture methods. In this way, a policy is formed that includes companies from which services are purchased and other supply chain stakeholders, and sustainable farming is supported.

Our university works directly to maintain and extend existing ecosystems and their biodiversity, of both plants and animals, especially ecosystems under threat. In the plant and tissue laboratory of Sakarya University, direct studies are carried out to protect and expand the existing ecosystems and biological diversity of plants and animals.

Our university offers educational programs on ecosystems for local or national communities. There are many educational programs on the ecosystem at Sakarya University. Participation in educational programs is open to the public. Also, individuals can access the educational content and course materials offered online.

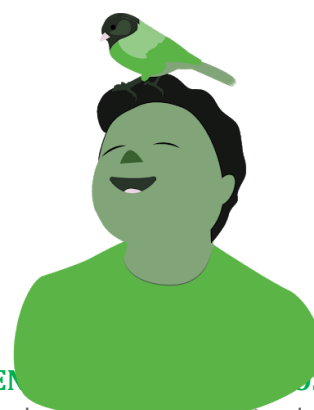
Our university offers educational programs/outreach for local or national communities on sustainable land management for agriculture and tourism. Sakarya University has many training programs on sustainable land management for agriculture and tourism. Participation in educational programs is open to the public. Also, individuals can access the educational content and course materials offered online.

## **SUPPORTING LAND ECOSYSTEMS THROUGH ACTION**

Our university has the policy to ensure the conservation, restoration, and sustainable use of terrestrial ecosystems associated with the

university, particularly forests, mountains, and drylands. Sakarya University's policy on this issue is stated in the strategic plan. Accordingly, improving education, sanitary conditions, renewable energy, human-oriented social development, reducing inequalities, human development, responsible consumption, and production, taking into account the principles of environmental protection, is one of Sakarya University's goals. Targets and performance indicators for this purpose are recorded and monitored every six months.

Our university include local biodiversity in any planning and development process. Sakarya University aims to build smart buildings that benefit from sustainable energy resources to construct new buildings. For this purpose, buildings with natural ventilation and natural lighting are built. Considering the region's climatic conditions, mostly pine and cedar trees were planted on the campus. These trees are included in the vegetation cover that does not require much irrigation and is suitable for the region's humid climate conditions. Sakarya University has a policy of reducing the species that harm the agricultural conditions in our region. As a region with very suitable lands for agriculture, we are working to control the spread and development of alien species that damage farmers' crops. Our university collaborates with the local community in efforts to maintain shared land ecosystems. Sakarya University works in cooperation with recycling enterprises, waste disposal enterprises, and water and sewage administration.



## **LAND AND WATER QUALITY**

Our university has water quality standards and guidelines for water discharges. Before water discharge, waste oil filters are used to prevent the waste oil from threatening nature. Also, wastewater recycling processes in cooperation with the water and sewerage administration are applied to recycle wastewater.

Our university has a policy on reducing plastic waste on campus. At Sakarya University, there are policies for implementation in plastic usage areas to minimize plastic use. In areas such as cafes, cafeterias, canteens, and teahouses, presentations were given with durable materials instead of disposable or plastic products. Also, these policies are specified among the rules that must be followed in the service purchase contracts of companies serving in the fields of plastic use.

Our university has a policy on waste disposal - covering hazardous materials. Inorganic Waste treatment in Sakarya University aims to gather plastic, glass, metal, paper, digital, and medical waste and deliver them to waste treatment areas for recycling and classify valuable materials for reuse. Sakarya University works with Sakarya Metropolitan Municipality. The staff gathers the waste from the campus regularly. The faculty may also call the environmental services office to gather the batteries or the digital waste when enough waste is collected. Several programs are implemented to create awareness for classifying and delivering the waste for recycling, and these are referred under the heading for recycling programs. Toxic and hazardous wastes of Sakarya University are stored in a special collection area, given to İZAYDAŞ at regular intervals, thus ensuring that they are disposed of without harming the environment. All toxic wastes of the university are necessarily disposed of in this way.





PEACE, JUSTICE AND STRONG INSTITUTIONS

**16** PEACE, JUSTICE  
AND STRONG  
INSTITUTIONS



### UNIVERSITY GOVERNANCE MEASURES

Our university has written policies and procedures to identify local stakeholders external to the university and engage with them. Sakarya University's written policies and procedures for identifying and communicating local stakeholders are specified in the strategic plan and are followed up with performance indicators. Our university has participatory bodies to recognize and engage local stakeholders, including residents, local government, local private, local civil society representatives. Sakarya University's communication coordinator and public relations unit work to increase and strengthen the local contacts. Also, the department is responsible for conveying the requests from residents to the relevant units. Our university has a publication of the university's principles and commitments on organized crime, corruption & bribery. Such crimes are defined in the disciplinary regulations of public institutions and organizations, and their penal sanctions are determined within the scope of the laws. This regulation can be accessed on our website. Our university has a policy on supporting academic freedom. Our academics are free to work in any field they want. As can be understood from the appointment and promotion policy, there is no field guidance.

### WORKING WITH GOVERNMENT

Sakarya University provides specialized expert advice to the local, regional and national government. Our academics in national and regional fields are appointed by the state as experts and inform the government about the issue resulting from their examinations. Many universities had problems due to the transition to distance education during the epidemic period. Sakarya University is one of the universities with the most experience in distance education in the country and has been appointed by the government to share its knowledge and experience with other universities. Sakarya University contributes to policymakers and lawmakers with its projects and provides social aid, general education, skill development, and capacity building on related issues such as economy, law, technology, and climate change. Politicians share their views on the neutral platform established at Sakarya University.

### PROPORTION OF GRADUATES IN LAW AND CIVIL ENFORCEMENT

<b>Number of graduates</b>	<b>8.980</b>
<b>Number of total graduates from law and enforcement related courses</b>	<b>313</b>





## PATERNSHIPS FOR THE GOALS

## 17 PARTNERSHIPS FOR THE GOALS



## RELATIONSHIPS TO SUPPORT THE GOALS

Sakarya University as a body have direct involvement in, national government SDG policy development - including identifying problems and challenges, developing policies and strategies, modelling likely futures with and without interventions, monitoring and reporting on interventions, and enabling adaptive management.

Sakarya University as a body initiate and participate in cross-sectoral dialogue about the SDGs, e.g. conferences involving government/NGOs.

Sakarya University as a body participate in international collaboration on gathering or measuring data for the SDGs.

Sakarya University as a body, through international collaboration and research, review comparative approaches and develop international best practice on tackling the SDGs.

Sakarya University as a body collaborate with NGOs to tackle the SDGs through.

