



Sohag University

“Facts and Numbers”

Sohag University is one of the nascent regional universities. Its general strategic goal is to cover the needs of the local, national and regional labor market, with graduates who are scientifically and practically qualified, as well as preparing a generation of distinguished scientists who are able to lead the wheel of development in all human, social, human and applied sciences.

The President of the Republic issued a decision to establish the University of Sohag in 2006, and it included the Faculties of Education, Arts, Sciences, Commerce, Medicine and Agriculture. Then the Faculties of Industrial Education and Nursing were added to the University, then in 2008 the Republican Decree was issued to establish the Faculties of Engineering and Veterinary Medicine, the number of colleges in the university became ten colleges. In 2010, to meet the needs of the Sohagi community, a decision was made to establish the Faculties of Pharmacy and Physical Education. In 2015, the faculties of Law and Foreign Languages (Alsun) were opened to meet the needs of the Sohagi community, then the College of Archaeology was established by Prime Minister Decision No. 3512 of 2015, and the study began in the academic year 2016-2017, then the College of Computers and Information was established. Last year, the Council of Ministers agreed to start studies at the College of Specific Education, thus the number of

university colleges had become [17](#), in addition to the Technical Nursing Institute.

In 2020, the Council of Ministers agreed to add the Faculty of Applied Arts and Heritage to Sohag University. Moreover, on July 26, 2021, the Supreme Council of Universities approved the establishment of the Faculty of Graduate Studies and Environmental Research at Sohag University.

Ranking:

On [December 07, 2020](#), the university was selected among the five best sustainable universities in Africa, according to the **UI GreenMetric World University Ranking 2020** for the sustainable universities, while it ranked [492](#) globally among [912](#) universities from different countries of the world.

On October 14, 2021, Sohag University maintained its presence for the second year in a row among the best Arab universities in **The QS Arab Universities Ranking**, and Sohag University appeared in the [131-150](#) category.

Campus Setting:

Sohag University began with the old campus, which is located in the city of Nasser on the eastern bank of the Nile River, with a total area of [105399.51](#) square meters, then the new campus was established with a total area of [3504707.06](#) square meters in the western desert back of Sohag governorate with the aim of creating a new urban community around the university as the universities are considered. Indeed, the new city of Sohag arose around the university, and it is considered one of the most modern and beautiful cities in Sohag Governorate. This is a credit

to Sohag university, as universities are the locomotive of development in societies.



It is worth noting that the new campus includes a 632098.23 square meter farm containing various crops, which depend on modern methods of agriculture, and modern irrigation methods are used to rationalize water consumption.



University Population:

The number of university population was 76,620 (according to 2020 statistics), and their statement is as follows:

- * Faculty staff and assisting members: 2450
- * Employees: 6170
- * Students: 68000

University budget:

*The total budget of the university in 2020 is about 968,31375 US dollars.

* The average total budget for the past three years (2018-2020) was about \$79,803,792, of which 22% was allocated to the university's sustainability efforts.

* The average budget for scientific research in general for the past three years (2018-2020) amounted to about 1512,250 US dollars, of which 45,8211.7, a rate of 30.3%.was for scientific research in the field of sustainability.

Scientific research in the field of sustainability (2018-2020):

The research published by Sohag University in the last three years (2018-2020) amounted to 3600 on the Google Scholar website, of which about 255 were researches in the field of sustainability.

https://scholar.google.com/scholar?q=%22sohag+university%22+%26+environment++%26+sustainability&hl=en&as_sdt=0&as_ylo=2018&as_yhi=2020

While the number of research papers published on the Scopus website reached 1453, including about 108 papers in the field of environment, 51 papers in the field of renewable energy, 120 papers in the field of agricultural and biological sciences, 73 papers in the field of earth & planetary sciences and 97 papers in the field of chemical engineering.

<https://www.scival.com/overview/summary?uri=Institu>

The number of locally published researches related to sustainability has reached **933**, including **504** research papers and **429** PhD and MSc dissertations.

https://www.sohag-univ.edu.eg/high_studies/

Courses related to sustainability:

Sohag University provides sustainability courses in various colleges and institutes, and this is evident from the number of these courses, which amounted to **2266**, which about **35.9%** of the total number of courses (**6490**).

<https://sust.sohag-univ.edu.eg/en/sustainability-report//>

Conferences and scientific seminars related to sustainability:

The number of these activities in the last three years reached **335**, and their details are shown in the following table:

S	Event	Number of events related to sustainability (ED.4)
1	Conferences	19
2	Workshops	31
3	Awareness Raising	28
4	Practical Training	257
Total		335

Activities:

Despite the Corona pandemic, activities at the university have increased (with the application of precautionary measures), for example:

- * The number of student organizations related to sustainability activities reached **11**.
- * The totality of cultural and scientific activities **24** such as conferences, workshops, symposia...etc.
- * This is in addition to about **76** events to cope with the Covid-19 pandemic, such as awareness of the virus and ways to prevent it. Most of these events were organized online.

Energy conservation:

The university has applied several mechanisms to work on rationalizing energy use, such as:

***Natural ventilation and shading from big trees:**

Many buildings at SOU meet the basic green building standard in Egypt where they have been designed and constructed for natural ventilation. Particularly, the ground and second floors in those buildings are cooled down in summer by natural ventilation. As a result, big trees around buildings provide shade for activities both on ground and second floors and outdoors.

***Full natural daylight:**

Most buildings at SOU have been designed to be naturally day lighted where sun light reaches most area of the buildings. Most of staffs' offices, labs and class rooms have been design to get much of natural sun light so that there is no need to turn on light bulbs during the day time.

Moreover, most buildings are designed in a rectangular shape facing east to west to reduce exposure to sunlight and its heat in summer, while the sun's rays come during the winter day from the south, which warms up the buildings without the need for heating devices.

	
<p>Main conference hall full naturally daylighted.</p>	<p>A class room full naturally daylighted.</p>
	
<p>A class room full naturally daylighted.</p>	<p>Daylight in the campus. The image shows a landscape of the newest established location in the new SOU campus.</p>



Buildings are designed in a rectangular shape facing east to west (sunset)



Buildings are designed in a rectangular shape facing east to west (afternoon)



Students activities under the trees shade.

Electricity consumption:

Electricity use decreased from **93.57** kWh/person (2017) to **77.03** kWh/person (in 2020). This decrease equates to **17.6%** (per person) in total electricity consumption.

Year	Total Electricity usage (KW)	Population (person)	Consumed electricity/person (KW/person)
2017	5,986,933	63,982	93.57
2019	6,051,624	75,949	79.6801
2020	5,902,189	76,620	77.03

Transportation:

*(New) The university started converting its vehicles to run on natural gas in order to preserve the environment from pollution and reduce carbon emissions. 5 cars have already been converted, and work is now underway to convert 11 more cars.

*The university owns 86 different cars, and an average of 346 private cars enter them daily. The university has allocated 4 parking spaces in separate places to prevent random parking, while a parking zone for motorcycles has been allocated outside the campus walls.

*There are 3 frequency transport buses operating within the university, and each bus carries out 16 trips (round trip) with a capacity of 50 passengers (25 during Covid-19 pandemic) to serve the university population.

*In addition, special pedestrian paths have been established in which ramps for people with special needs are taken into consideration. This is in addition to creating special paths for bicycles to encourage the spread of their use, and especially there is a plan at the university to provide numbers of them (participatory bicycles) that work by smart lock through an application on mobile phones.



*The university also, intends to purchase a number of (environmentally friendly) buses that run on electricity, to be used in the frequency transmission.

Water:

* The Nile River is the main source of university water after it is purified in the governorate's purification stations.

* Several effective water-saving devices have been installed, such as the use of water-saving taps

Besides, all devices used on campus will be replaced with such saving devices.

* Sprinkler irrigation is used for farms on campus.

* The Sustainability Unit at Sohag University has also started spreading the culture of hydroponics in a closed cycle to encourage water conservation.

* This is in addition to holding educational seminars to spread awareness of the importance of rationalizing water use



* In the field of water recycling, the university is connected to the public sewage network in the governorate, where the governorate's water and wastewater company recycles 100% of water and uses it to irrigate tree forests in desert areas.

Waste management:

(New) Biogas Units:

Sohag University has established two biogas units for generating methane. Biogas is a safe, non-toxic, colorless gas and a clean source of energy. The biogas is produced by the fermentation of any organic matter, but at our university mainly composed of animal manure from university farms. In addition to reducing CO2 emission that as a

warming effect on the globe, the generated biogas has multiple uses, electricity generation, heating the water necessary for cleaning tools and equipment inside the automated milk parlor of animal farm itself, and also as natural fertilizer enhancing the crop productivity at university plant.



Furthermore, Dept. of Chemistry, Faculty of Science at Sohag University, is implementing a project for converting carbon dioxide collected from the air to methane. Besides its positive impact in reducing CO₂ levels in our environment, it's been used in recharging dry batteries.

(New) Program to Reduce the Use of Paper and Plastic on Campus

Sohag university president referred to the crucial role of e-books to cope with the global e-learning methods. Moreover, he ascertained that that

there is no return to paper books again.

<https://www.youm7.com/story/2021/10/20/%D8%B1%D8%A6>

In addition, he opened the call for the university competition between faculties to select the best 3 faculties in implementing e-books in curricula (evidence enclosed).Zad website at Sohag University is one of the most important to all university employees, because it provides many electronic services, whether for all students or faculty, as well as university Employees.

1- Students can enter the link of Sohag University’s Zad website for the faculty they are enrolled in through the following links; for example:

Faculty of Laws: <http://193.227.46.191/ZAD/Zad.aspx>,

Faculty of Arts: http://193.227.46.42/ZAD_ART/Zad.aspx,

Faculty of Engineering: <http://193.227.59.130/ZAD/Zad.aspx>,

Faculty of Education: http://193.227.46.42/ZAD_EDU/Zad.aspx,

Faculty of Science: http://193.227.46.42/ZAD_SCI/Zad.aspx,

Faculty of Medicine: http://193.227.46.42/ZAD_MED/Zad.aspx,

Faculty of Veterinary Medicine:

http://193.227.46.42/ZAD_VET/Zad.aspx,

Faculty of Nursing: http://193.227.46.42/ZAD_NUR/Zad.aspx,

Faculty of Pharmacy: http://193.227.46.42/ZAD_PHAR/Zad.aspx,

Faculty of Technological Education:

http://193.227.46.42/ZAD_TECH/Zad.aspx,

Faculty of Languages: http://193.227.46.42/ZAD_LANG/Zad.aspx,

Faculty of Architecture: http://193.227.46.42/ZAD_ARCH/Zad.aspx,

Faculty of Physical Education Quality:

http://193.227.46.42/ZAD_SPORT/Zad.aspx,

Faculty of Commerce: http://193.227.46.42/ZAD_COM/Zad.aspx,

Faculty of Agriculture: http://193.227.46.42/ZAD_AGR/Zad.aspx.

In Sohag University Management Information

2- The student registers on the Zad Website of Sohag University in the faculty in which he specializes, to be able to obtain many services. The most prominent of which is registration at the beginning of their studies at the undergraduate level. Among the services of the Sohag University Zad website for students are obtaining its registration number, paying tuition fees, knowing the schedule of lectures, and electronic exams, as well as obtaining the result of each exam directly after finishing it. The following link with video illustration registration steps and paying tuition fees. <https://edu.sohag-univ.edu.eg/main/?p=34526>

3- The faculty and staff benefit through the Zad website at Sohag University, according to the specialization of each worker, and he finds everything he needs on the official website of the university. The link below, illustrates for faculty members how to upload electronic courses: <https://www.sohag-univ.edu.eg/ar/>.

4- In the context of Sohag University's orientation to reduce the use of paper, the president of the university directed the use of printing on both sides of paper.

Moreover, the university encourages all its population to separate the waste and provides the necessary containers for this purpose in preparation for recycling and benefiting from it. The university also provides various means for collecting and disposing of hazardous waste such as the waste of university hospitals, as there is a special unit in Sohag University Hospital for the treatment of medical waste, and it deals with liquid and solid wastes that are collected from all laboratories, research units and clinical departments managed by the technical team of waste. They are responsible for operating a fully automated medical waste treatment system at Sohag University Hospital. In addition, the university participates in a partnership contract with the Sohag Governorate Health Directorate in the campus of medical incinerators in Al Kawthar.



وحدة الاستدامة Sustainability Unit

خذ شئطتك معاك



Take your bag



Recycle Plastic

تدوير البلاستيك



Examples of encouragement to reusable bags

Digital transformation system in Sohag University to reduce the use of paper via:

a- Online registration and paying tuition fees



b- E-books

كيفية رفع المقرر الإلكتروني على منصة زاد (أعضاء هيئة التدريس)



c- Archiving program: paperless system



d- Encouraging no plastic use.



Examples of encouragement to no use of plastics

Sustainability Unit

وحدة الإستدامة

Recyclable
waste



مخلفات قابلة
للتدوير



(Paper Products) كل المنتجات الورقية



(Cups) الأكواب البلاستيك والورق



(Lids) كل الأغطية



(Cans) كل المعادن



(Plastic) كل البلاستيك



كل الكرتون



Sustainability Unit

وحدة الإستدامة

Burnable
waste



قمامة قابلة
للحرق



ورقيات مستخدمة (used paper)



بلاستيكات متسخة (small plastics)



منتجات الفوم (foams)



المخلوط بأغذية (blends)



Example of for guiding instruction at Sohag University waste managment system (Sohag University, Egypt).



. Example of Recycling containers for University Waste (Sohag University, Egypt).



Fig.3. Example of sorting program before recycling in Sohag University, Egypt.



. Example of Recycling Program for University plastic containers, and wood shavings in poultry farms at the Faculty of Agriculture and in rodent house at Faculty of Medicine (Sohag University, Egypt).



*On the campus of Sohag University, there are some places that produce organic waste such as cafeterias and central restaurants, in addition to the fallen leaves from the green spaces. Plus pruning horticulture. Sohag University manages organic waste through an annual renewable contract with Hi-Kit Company. (<http://highkit.net/>)

*Moreover, the university has initiated an agreement with Green Flat company for farm supplies and equipment to convert the university's organic waste into bio-organic fertilizer using earthworms via Vermicomposting. As shown in the sample pictures provided by the company. <https://greenflateg.com/>



Example of collection of horticulture trimming, Sohag University, Sohag, Egypt.



Example of converting organic waste into organic fertilizer (Green flat company), Sohag University, Egypt.