

**Amman Arab
University
Sustainability Report
2023**





Introduction:

- The concept of sustainability at the University no longer focuses on the principle of profits only, but has evolved until it has become inclusive of the effects on society and the environment, and these effects are studied within any decision that will be issued at the University, that is, when you want to make and make a decision, it studies the impact of this decision on three aspects: the financial aspect, the environmental aspect, and the societal aspect
- Achieving a sustainable work environment does not only involve leadership and management, but it needs to create a complete culture within the University, so that this culture is disseminated among all employees, including faculty and administrative staff, workers, directors, leaders, students and everyone working at the University, so that a sustainable work environment is secured in everywhere.
- The University works to disseminate the culture of sustainability by issuing instructions and regulations among team members, noting its importance, and the impact of sustainability on the University's work, and applying this culture of management and leadership first and then the rest of the individuals.
- Disseminating the culture of a sustainable work environment starts from facilities management, as the University's facilities are the first influencer; they emit pollutants and consume energy. Consequently, it is important to provided facilities to create a sustainable environment.

University in Figures



Majors' Num. of BA & MA: 28 Majors



Students' Num.: 4882

Alumni Num. 2022-2023: 843



Num. of Faculty members & Administrative staff= 375

First Criterion: Setting & Infrastructure



-The University adopted well-studied foundations in the construction of its buildings and was keen to be environmentally friendly .In 2023 ,the University added two buildings, so 6 buildings are the total number .



- Amman Arab University endeavored to increase the green space of the University, as 2000 meters were increased as a green area for the year 2023.



- Increasing the area of plants covered by forest plants by 1100 meters in addition to the existing ones.



Percentage of Operation, Maintenance and Infrastructure Activities for 2023



Average percentage of the University's budget related to sustainability (infrastructure) for 2023



Percentage of water absorption at the University For 2023

Ratio of open spaces relative to the total area of the University



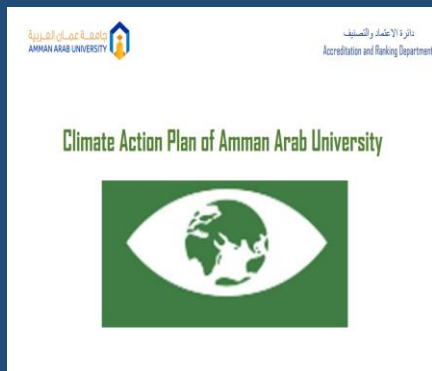
Second Criterion: Energy & Climate change



- More than 75% of the devices used at the University are energy-saving.

| Appliance | Total Number | Total number energy Efficient appliances | Percentage |
|-------------------------------|--------------|--|------------|
| LED Lamp | 4036 | 3222 | 80% |
| computer screen | 750 | 750 | 100% |
| Office Computer | 592 | 580 | 98% |
| A/C with inverter technology, | 250 | 250 | 100% |
| | | Average/ Percentage | 95% |

- More than 75% of the University buildings are smart.
- The use of renewable energy sources, including solar energy, which produces 550 kilowatts per hour.
- All University buildings have green building elements, including (natural ventilation, daylight, and solar energy for buildings) .
- Programs to reduce carbon dioxide emissions have been provided .
- Adding subjects to its study plans related to climate and energy, and a single major is available ; renewable energy engineering .



| | | | | | |
|----------|-------------------------------------|---|---|---|----------------------|
| 60443002 | Heat Transfer | 3 | 3 | - | 6044300+ S0222208 |
| 60443003 | Heat Transfer Lab. | 1 | - | 2 | 60443002* |
| 60453005 | Electric machines | 3 | 3 | - | 5055200 |
| 60453006 | Electric machines Lab. | 1 | - | 2 | 60453005* |
| 60453205 | Mechanical design | 3 | 3 | - | 60453004 |
| 60453007 | Electric Circuits Lab. | 3 | 3 | - | 5055200 |
| 60453008 | Electric Circuits Lab. | 1 | - | 2 | 60453007* |
| 60463200 | Renewable Energy | 3 | 3 | - | 5055200 |
| 60464002 | solar energy | 3 | 3 | - | 60463200 |
| 60464003 | solar energy Lab. | 1 | - | 2 | 60464002* |
| 60464004 | Wind Energy | 3 | 3 | - | 60463200 |
| 60464005 | Wind Energy Lab. | 1 | - | 2 | 60464004* |
| 60474001 | Power electronics | 3 | 3 | - | 60463007 |
| 60483005 | Types and sources of energy | 3 | 3 | - | 60222004 |
| 60474002 | Production and conversion of energy | 3 | 3 | - | 60483006 |
| 60474003 | Energy storage | 3 | 3 | - | 60474002 |
| 60485001 | Energy management and protocols | 3 | 3 | - | 60375002 |
| 60484002 | Environment and Energy | 3 | 3 | - | 60474002 |
| 60485003 | Energy efficiency and economy | 3 | 3 | - | 60222004 |
| 60485002 | Graduation Project (1) | 1 | 1 | - | 60484000 |
| 60485003 | Graduation Project (2) | 3 | 3 | - | 60485002 |



Third Criterion: Waste



Waste Management at Amman Arab University

-Recycling more than 75% of waste using various programs.



-Implementing various programs to reduce the use of paper and signing agreements for recycling it, such as converting all University units to electronic archiving systems.



-There are organic and inorganic wastes and medical waste, but they are disposed of by signing agreements to convert these wastes into fertilizers and medical waste falls within the jurisdiction of a specific entity subject to committees and its own regulations and instructions.

Fourth Criterion: Water



- All buildings at Amman Arab University have a sewage system separate from clean water.
- More than 50% of the percentage of water that is recycled and used in irrigating crops .
- There is a special water purification plant at the University, in addition to a special policy for water recycling .



| Water Reuse Policy | | |
|-----------------------------------|---|---|
| Policy No: 73 | Release Date: 2021 | number of pages: (1)_ |
| Policy | Converting wastewater or wastewater into water that can be reused for useful purposes including irrigation of gardens/plantations and others to conserve <u>water which</u> is an important part of sustainable development. | |
| Objectives | <ul style="list-style-type: none"> - Reduce water consumption. - Preserving green spaces on campus. - Keeping water from scarcity and drought. -Relieve pressure on groundwater and other natural water bodies. | |
| Application responsibility | Department of Engineering and Services | |
| Processes | instructions | |
| | procedures | <ul style="list-style-type: none"> - Use multiple technologies to reduce water consumption such as wastewater treatment for irrigation. - Use of water harvesting technology through rainwater harvesting. - Use drip irrigation grids instead of spraying. - Recycling wastewater and its use in irrigation of <u>plantations</u>. |
| | Related models | - |

- The University uses many water-saving devices.

- More than 75% of the treated water is consumed in irrigating crops .



Fifth Criterion: Transportation



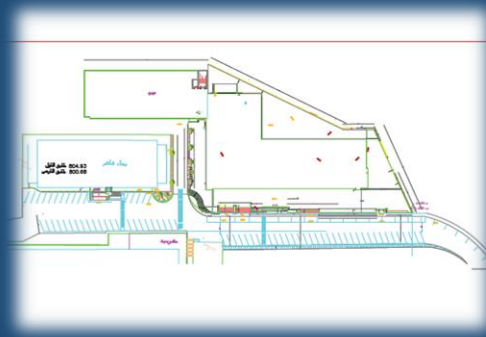
Number of cars owned by the University
29

Number of cars entering the University per day : 608

Number of bicycles entering the University :
9

Number of tours made by University buses per day:
5 Rounds

- The average number of zero-emission vehicles (ZEV) on campus is 200 vehicles per day.
- The total ground parking area is 8000 square meters.
- The University has a fleet of buses to transport students and employees and to reduce the parking area on campus.
- There are pedestrian walkways on campus and in more than one location.





Sixth Criterion: Education & Research



Number of events held by the University related to sustainability
247 events

More than 20% of related materials for sustainability

Number of sustainability courses
244 subjects

A special site for sustainability:

<https://www.aau.edu.jo/en/administrative/academic-development-quality-assurance-center/sustainable-development>

-The number of students participating in the sustainability event is 362 students for the year 2023 within the 6 student clubs .

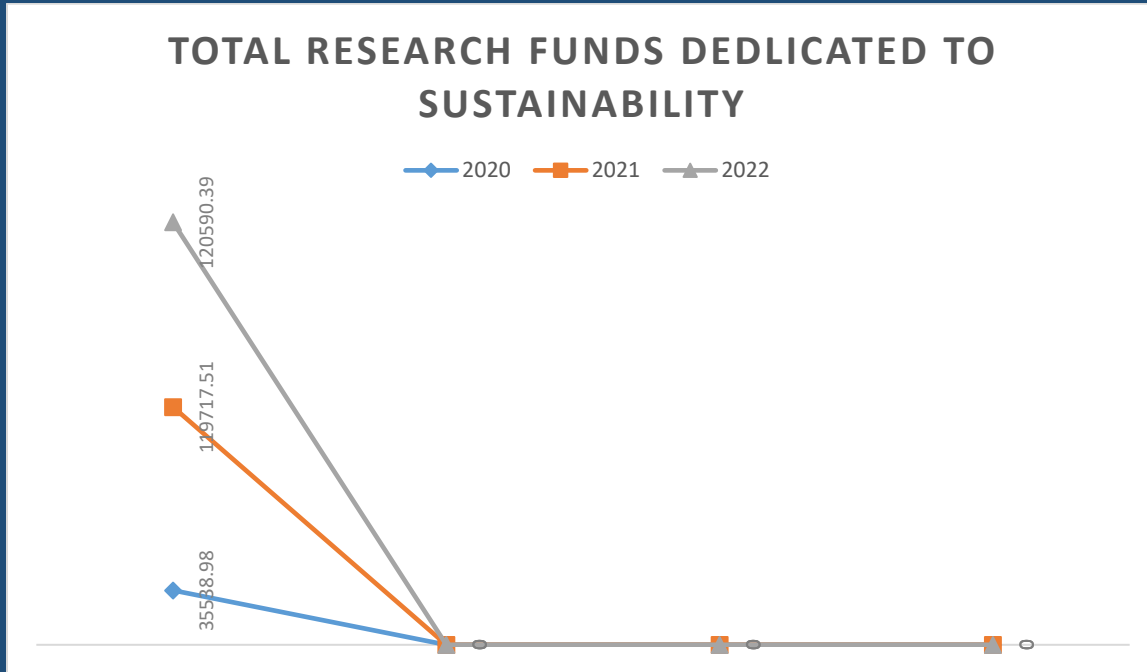
-The University's membership in councils and networks related to sustainability, as it is a member of the Association of Arab Universities, an incubator of the Sustainable Development Council, a member of the SDSN network, a member of the Regional Network for Social Responsibility, and got the Khair Award for Social Responsibility.



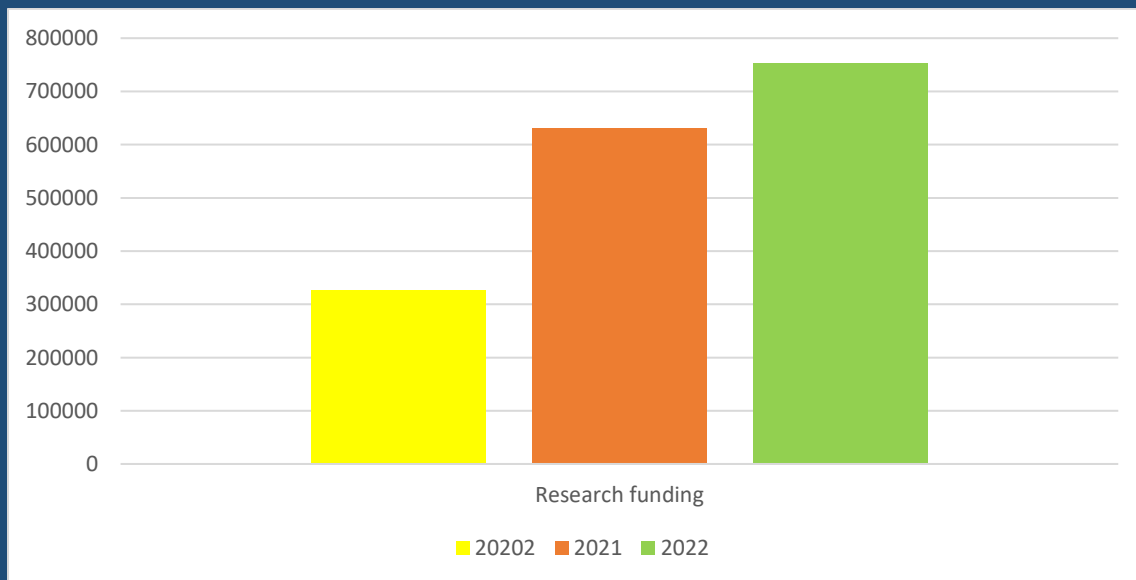
**The University holds many conferences -
related to sustainability, including the first
international conference of the Arab Council
for Sustainable Development**



-Allocating funds from the University budget for sustainability research



The University's budget for scientific research for the last 3 years



**The University's attitude in special needs people
Designing a special hall containing software and books for
people with special needs within the University library.**



- Designing of pedestrian paths for people with special needs and parking spaces

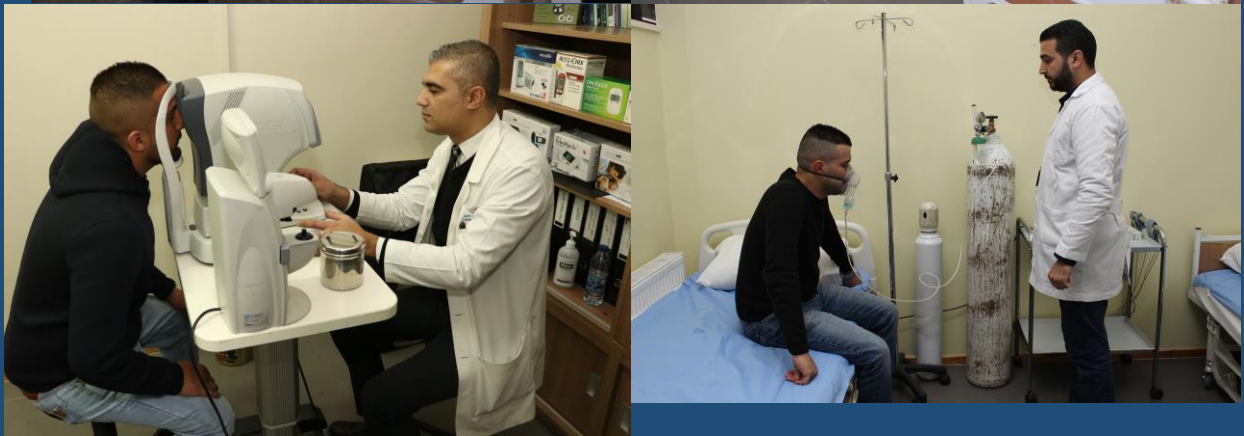


- The existence of a special policy for people with special needs that falls within the University's policies and priorities .

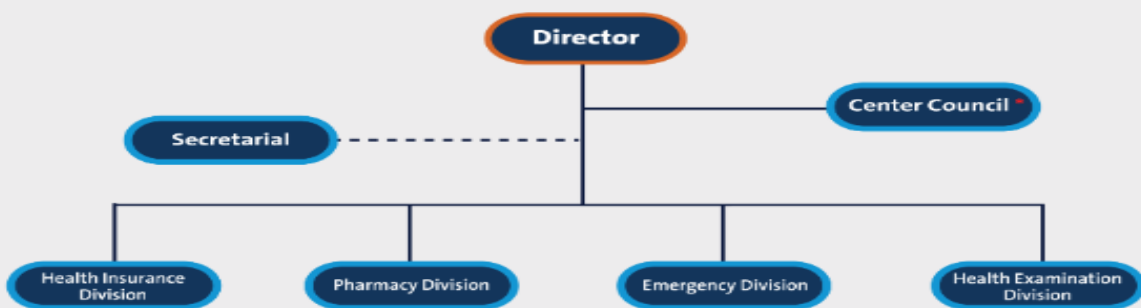
Safety & Security



Medical Facilities (Full and Equipped Medical Center at Amman Arab University)



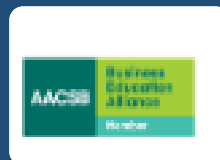
Organizational Chart “Health Center”



Green Environment of Amman Arab University



International Rankings, Accreditations and Memberships of Amman Arab University





جامعة عمان العربية
AMMAN ARAB UNIVERSITY

الريادة و التميز

**Prepared by the Department of
Accreditation, Ranking and Qualification of
the National Framework**