

Al-Ahliyya Amman University



Sustainability Report 2025

English Version



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Prof. Sari Hamdan
President -AAU

The 2030 Agenda for Sustainable Development and the 17 Sustainable Development Goals (SDGs) were adopted by all UN member states in 2015 and set out an ambitious plan for ending poverty, fighting inequality, and building peaceful, just, and sustainable societies by 2030. Achieving the SDGs will require the concerted efforts of all members of society. Prof. Sari Hamdan President AAU

Universities are particularly well-placed to contribute to creating a sustainable future through their research and teaching activities. Universities at the forefront of research generate new knowledge and innovations that provide solutions to the interconnected social, economic, and environmental challenges captured in the SDGs. As educators, universities equip students with the knowledge and skills that enable them to contribute to creating a sustainable future. Of course, the role of universities in sustainable development extends beyond their role in research and teaching. Institutions also contribute to the SDGs through their policies and practice, and increasingly institutions everywhere are working hard to ensure continuous improvement and lead by example. At Al-Ahliyya Amman University (AAU), we recognize and embrace our responsibility to transition to a sustainable future. We are committed to ensuring that our activities, be they research, teaching, community service or operations, advance us to a better place for humanity and the planet. In this report, we outline some of the many activities in our University that contribute to achieving the SDGs. We cannot capture all the fantastic work of our staff and students across research, teaching, engagement/outreach and operations. However, the selection presented here shows an appreciation of the activities happening within our university that are setting us on a path to a more sustainable future for all.



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Institutional Achievements and Global Recognition

AAU has been ranked #1 in the Times Higher Education (THE) Impact Rankings 2024 among Jordanian universities for the fourth consecutive year, excelling in SDG 3 (Good Health), SDG 4 (Quality Education), SDG 11 (Sustainable Cities), and SDG 17 (Partnerships for the Goals). It also secured a spot in the QS World University Rankings 2025 (801–850 band), showcasing excellence in teaching, employability, and environmental impact. These accolades affirm AAU's leadership in sustainability and global engagement.

Better together.....





EXECUTIVE SUMMARY

AAU has demonstrated its steadfast commitment to sustainability and the United Nations' Sustainable Development Goals (SDGs). This report highlights the university's transformative efforts across 17 SDGs, showcasing impactful programs, innovative research, and strategic partnerships. Key achievements include maintaining the top rank among Jordanian universities in the Times Higher Education Impact Rankings, advancing quality education, fostering sustainable cities, and leading initiatives in affordable energy and climate action.

AAU's holistic approach integrates education, research, and community engagement to drive environmental stewardship, economic growth, and social equity. With progressive policies in gender equality, reduced inequalities, and clean water management, AAU is setting benchmarks in ethical sourcing, waste management, and carbon neutrality. The university's partnerships with local and global institutions further amplify its impact, fostering a collaborative spirit for sustainable development. This report underscores AAU's vision of creating a better future by aligning institutional excellence with sustainability imperatives. The outlined initiatives and KPIs reaffirm the university's leadership in sustainability, inspiring a path toward innovation.

Better together.....





1 NO
POVERTY





1. No Poverty

1.1. Equitable Access and Admissions

(Social Admissions, Financial Need Assessment, Financial Waiver)

The university is committed to promoting equitable access to education as part of its efforts to advance the “No Poverty” goal. It prioritizes the inclusion and support of low-income and first-generation students by maintaining transparent and fair admission procedures, conducting financial need assessments, and providing scholarships and tuition waivers to remove economic barriers. In addition to financial assistance, the university offers academic guidance and advisory programs that help students achieve success regardless of their socioeconomic background. Through these inclusive measures, the university cultivates an environment where all students have equal opportunities to pursue their education, fulfill their potential, and make valuable contributions to their communities.

1.2. Low-Income Student Support

(Affordable Housing, Meal Subsidy, Transportation Assistance, Healthcare Support)

The university is committed to promoting academic success and persistence among low-income students by cultivating a supportive environment that meets both their financial and non-financial needs. This commitment includes providing affordable housing options, meal and transportation subsidies, and accessible healthcare services, ensuring that essential resources are within reach for all students. Through these initiatives, the university reduces the financial pressures associated with living and studying, enabling economically disadvantaged students to concentrate on their education and achieve academic excellence in an inclusive and equitable learning atmosphere.

1.3. Scholarship and Financial Aid

(Scholarship Allocation, Low-Interest Loan, Financial Aid)

The university is dedicated to ensuring equitable access to higher education by offering scholarships and financial aid designed to ease the financial challenges faced by low-income students and support their academic persistence and success. This commitment involves providing need-based scholarships and low-interest loans that alleviate economic pressures and help students continue their studies without interruption. Through these inclusive financial support mechanisms, the university upholds the principles of equity and inclusivity, creating an academic environment where financial limitations do not stand in the way of students’ educational aspirations and achievements.

1.4. Graduation and Retention

(Academic Mentorship, Academic Support, Psychological and Social Support)

The university is committed to enhancing graduation and retention rates by cultivating a supportive and inclusive learning environment, with special focus on low-income students. This dedication is reflected through the provision of academic and professional mentorship, along with comprehensive psychological and social support services, to ensure students’ continued progress and success. By implementing mentorship initiatives, continuous guidance, and well-being programs, the university strengthens students’ academic performance and personal development, empowering them to persist in their studies, complete their education, and realize their full potential.



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1.5. Social and Economic Empowerment

(Entrepreneurship Training, Microloan, On-Campus Employment, Community Empowerment)

The university is dedicated to promoting social and economic empowerment for both its students and the local community by offering entrepreneurship training, support for small-scale projects, on-campus employment opportunities, and capacity-building programs that contribute to sustainable development. Through initiatives that enhance entrepreneurial skills, encourage innovation, and provide microfinance opportunities for emerging projects, the university enables students and community members to expand their economic potential. These efforts play a vital role in fostering sustainable growth, self-reliance, and long-term prosperity within the university and the wider community.

1.6. International Cooperation to Support Students from Low-Income Countries

(Scholarship Allocation for International Students from Low-Income Countries, Collaboration with International and Local Institutions for Low-Income Student Support)

The university is dedicated to supporting international students from low-income countries by offering scholarships and establishing collaborative partnerships with both local and global institutions to expand access to higher education. Through these efforts, the university provides opportunities for students from developing nations to pursue quality education, gain valuable skills, and contribute effectively to the sustainable development of their home communities. By combining financial support with strong international collaboration, the university empowers these students to become catalysts for positive change and social progress in their respective countries.

1.7. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1.	Low-Income Admissions Rate	87%	90%	92%
2.	Affordable Housing Beneficiaries	88%	91%	94%
3.	Scholarship Recipients	93%	96%	97%
4.	Low-Income Graduation Rate	94%	97%	98%
5.	Entrepreneurship Trainees	88%	91%	94%
6.	Low-Income Intl. Scholars	95%	98%	99%

1.8. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Amman Ahliyya organizes a volunteer campaign to support the Clothing Bank in cooperation with the Jordanian Hashemite Charity Organization.	GO
2.	AAU Concludes Its Ramadan Charity Campaigns in Support of the Local Community in Al-Balqa	GO
3.	AAU and Arena Club Host Ramadan Iftar for Gaza Children and Their Families Undergoing Treatment in Jordan	GO
4.	AAU Launches Ramadan Charity Campaigns to Support the Local Community in Balqa Governorate	GO
5.	Career Day 2025 at AAU	GO



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6.	Cooperation agreement between Ahlia Amman and Al Hussein Society for Comprehensive Training and Integration	GO
7.	Dr. Al-Hourani Honors AAU's Choir and Grants Them a 50% Tuition Discount in Recognition of Their Excellence at Jerash Festival	GO

1.9. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Hotspots and trends of financial technology (fintech) research: a bibliometric analysis	GO
2.	Exploring Cutting-Edge Algorithms in FinTech: Leveraging Machine Learning and Artificial Intelligence for Achieving Sustainability	GO
3.	Voices of Concern: Contemplations on Socioeconomic, Ethical, and Developmental Impacts of AI	GO
4.	Leveraging AI and FinTech: Driving Business Innovation in the Fourth Industrial Revolution	GO
5.	The Role of Sports Management in Promoting the Participation of Individuals with Disabilities in School Sports Activities	GO

1.10. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Arab Agriculture Forum	GO
2..	Roya Academy for Media Training (Cooperation Agreement for Accredited Courses and Diplomas)	GO
3.	Four Seasons Hotel (Training Agreement)	GO
4.	Jordan Ahli Bank (MoU)	GO
5.	Al-Hussein Technical University (MoU)	GO



2 ZERO HUNGER



2. Zero Hunger

2.1. Campus Food Waste Management

(Food Waste Measurement)

The university is actively advancing its goal of establishing a sustainable campus through precise measurement and reduction of food waste. By implementing a structured monitoring system, the university tracks food waste volumes to support data-driven strategies that minimize landfill contributions and promote responsible consumption. To strengthen awareness, students and staff are engaged in educational initiatives emphasizing the importance of effective food waste management. In collaboration with local organizations, the university also converts collected waste into compost and other eco-friendly resources. Recent initiatives include improving the accuracy of waste data collection, conducting workshops on waste reduction, and enhancing community partnerships, reaffirming the university's strong commitment to environmental stewardship and sustainability.

2.2. Student Hunger Alleviation

(Sustainable Food Provision)

The university is committed to enhancing students' well-being and academic achievement by tackling food insecurity through a range of sustainable food programs. These initiatives offer affordable and nutritious meal options, helping to ensure that no student faces hunger on campus. By providing reliable access to healthy food and promoting awareness of nutritional well-being, the university supports both the physical and mental health of its students. Through encouraging sustainable and healthy eating practices, these programs foster a nurturing and inclusive campus environment where students can flourish both academically and personally.

2.3. Sustainability Graduate Enhancement - Agriculture and Aquaculture

(Graduate Tracking in Agriculture and Aquaculture)

The university is actively promoting sustainability in agriculture and aquaculture by developing educational pathways that equip graduates with the essential skills and knowledge needed for sustainable development. In alignment with global best practices, these initiatives aim to prepare students to apply sustainability principles effectively within their professional fields. Recent advancements include the introduction of academic programs focused on sustainable agricultural and aquacultural practices, complemented by specialized workshops and training sessions for both students and faculty. Furthermore, collaborations with local and international partners have strengthened the university's research and training capacity, fostering a future-ready workforce dedicated to advancing sustainability across these vital sectors.

2.4. Contribution to National Food Security and Sustainable Agriculture

(Farmer Engagement and Support, University Facilities Access Procedure

Sustainable Purchasing)

The university plays an active role in advancing national food security and promoting sustainable agriculture by supporting local farmers and encouraging environmentally responsible practices. Through strong partnerships with local organizations, the university organizes agricultural events and provides farmers with access to its facilities, offering valuable resources, training, and technical support. Recent efforts include revising sustainable procurement policies to prioritize locally produced goods, thereby reducing environmental impact and strengthening regional economies. Moreover, the university conducts capacity-building programs that introduce farmers to modern sustainable farming technologies, enhancing their productivity and reinforcing their commitment to sustainable agricultural development in line with national food security objectives.



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2.5. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1.	Food Waste Total	93%	96%	97%
2.	Hunger Program Beneficiaries	89%	92%	94%
3.	Agriculture & Aquaculture Graduates	85%	88%	90%
4.	Farmer Events Organized	88%	91%	93%
5.	Farmers Using Facilities	90%	93%	95%
6.	Local Sustainable Purchases	91%	94%	97%

2.6. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Amman Al-Ahliyya University Organizes Scientific Day Marking World Day to Combat Desertification and Drought, with Participation of National Figures and Specialized Institutions	GO
2.	Amman Al-Ahliyya University Shortlisted for 2025 Times Higher Education Awards Arab World for Three Pioneering Projects	GO
3.	Dr. Maher Al-Hourani Inaugurates the Smart Agricultural Greenhouse at Al-Ahliyya Amman University	GO
4.	Faculty of Agricultural Technology Conducts Scientific Visit to explore Modern Biotechnology Applications at the Alestesharia for Poultry and Feed	GO
5.	Participation of the Faculty of Agricultural Technology in the Biodiversity and Food Security Workshop at the University of Anbar, Iraq	GO
6.	AAU's Faculty of Agricultural Technology Hosts Experts in Olive Oil Sensory Evaluation	GO
7.	Agricultural Technology at Al-Ahliyya Amman University Participates in the Smart Agriculture Conference in Tunisia	GO

2.7. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Geospatial and multi-criteria decision-making approach for optimal site selection of solar/wind desalination plants in Oman	GO
2.	Solar-thermoelectric mobile storage system integrated with electric vehicles for reducing postharvest and microbial losses in agro produce transportation	GO
3.	Novel hybrid transfer neural network for wheat crop growth stages recognition using field images	GO
4.	Magnetic field treatment as a catalyst for enhanced germination, growth, and biochemical properties of garlic seeds	GO
5.	Production of sustainable adsorbent of crosslinked chitosan-oxalate and modified mango (<i>Mangifera indica</i> L.) seed for highly efficient adsorption of crystal violet dye: Water treatment and biomass valorization	GO
6.	Optimization of Crop Yields in Sustainable Agriculture: Application of Big Data Analytics and Artificial Intelligence	GO
7.	Building Resilience in Jordan's Agriculture: Harnessing Climate Smart Practices and Predictive Models to Combat Climatic Variability	GO
8.	Improving Smart Agriculture Through the Use of Machine Learning to Offer Tailored Crop Forecasts	GO



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9.	Food Security Based Marine Life Ecosystem for Polar Region Conditioning: Remote Sensing Analysis with Machine Learning Model	GO
10.	Sustainable Agriculture-Based Food Security Analysis using Healthcare Data Modelling and Deep Learning Techniques	GO

2.8. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Arab Agriculture Forum	GO
2.	Global Company Nunhems O-BASF	GO
3.	A Memorandum of Understanding between our University and the National Agricultural Research Center	GO
4.	Al-Balqa Applied University	GO
5.	Agricultural Technology in Ahliyya Amman University signs 4 MoUs with major agricultural companies	GO



3 GOOD HEALTH AND WELL-BEING





3. Good Health and Well-being

3.1. Sustainability Graduate Enhancement - Health Professions.

(Graduate Tracking in Health Professions)

The university is committed to preparing health profession graduates with a strong grounding in sustainability, embedding environmentally and socially responsible principles throughout their education. By integrating sustainability concepts into health-related curricula, students gain a deep understanding of how sustainable practices enhance healthcare quality and long-term well-being. Through hands-on training, workshops, and experiential learning, the university strengthens students' capacity to apply these principles in real-world health settings. In addition, collaborations with leading health institutions offer specialized training opportunities, reaffirming the university's dedication to developing competent professionals equipped to lead and promote sustainable healthcare practices in their future careers.

3.2. Sustainable Health Services Delivery

(Sexual and Reproductive Health Services, Sexual Health Education, Health Education, Student Mental Health Counseling, Staff Mental Health Support, Providing various health services to the university community)

The University is dedicated to delivering sustainable and inclusive health services that support the well-being of students and staff across various aspects of health. Comprehensive services include mental health counseling, sexual and reproductive health, and general health education to foster a healthy campus environment. Through collaborations with health organizations, we continually improve service quality, and our health awareness programs cover essential topics like mental health and stress management. Additionally, the University has allocated further resources to mental health support, ensuring accessible psychological care that enhances both academic and work life within the community.

3.3 Health Collaboration

(Health Collaborations, Health Sustainability Internship Program, Community Health Outreach, Sports Facilities Access, Postgraduate Scholarship - Health Specialties)

The University is committed to advancing public health and well-being by strengthening partnerships with local and international health institutions. Through these collaborations, we aim to create sustainable opportunities for knowledge exchange and to provide comprehensive, integrated health services that benefit both the university and the broader community. Key initiatives include expanding health collaboration agreements with leading institutions to support both university services and community health, developing an evaluation program for sustainable health internships, and enhancing local health awareness programs with a focus on community sports. Additionally, the University offers postgraduate scholarships in health specialties to cultivate expertise in sustainable health practices, fostering a future-ready, health-conscious community.

3.4. Smoke-Free

(Smoke-Free Policy Implementation)

The University is dedicated to maintaining a smoke-free, health-promoting environment to safeguard the well-being of students, staff, and visitors. Enforcing a strict smoke-free policy across all buildings and open spaces, the University fosters a safe and comfortable campus atmosphere. Key initiatives include continuous awareness campaigns on the dangers of



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smoking and the benefits of a smoke-free environment, alongside counseling programs to support those interested in quitting smoking. To ensure compliance, an effective system for recording and addressing policy violations has been established, reinforcing the University's commitment to a healthier, smoke-free campus.

3.5. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1	Health Professions Graduates	95%	98%	98%
2	Health Education Participants	91%	94%	95%
3	Sustainable Health Beneficiaries	93%	96%	96%
4	Health Cooperation Agreements	94%	97%	97%
5	Healthcare Outreach Programs	91%	94%	96%
6	Smoke-Free Policy Compliance	95%	98%	98%

3.6. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Eight Researchers from Al-Ahliyya Amman University Ranked Among the World's Top 2% Scientists in Stanford 2025 List	GO
2.	Al-Ahliyya Amman University Signs Cooperation Agreement with the Global Academy for Digital Health and Artificial Intelligence	GO
3.	AAU Champions Shine at the West Asian Karate Championship and Claim Gold	GO
4.	Patent Registration of "A Pharmaceutical Compound for Cancer Treatment" by Al-Ahliyya Amman University in Partnership with the Hashemite and Jordanian Universities	GO
5.	Medical Research from Al-Ahliyya Amman University Receives Top Honor at Global Scientific Conference in Indonesia	GO
6.	Al-Ahliyya Amman University and Jordanian Dairy Company "Maha" Sign Agreement with University of Petra to Develop Innovative Dairy Product for Digestive Health	GO
7.	AAU Achieves Global Recognition, Ranked in the 101–200 Band in the Times Higher Education Impact Rankings 2025	GO

3.7. SDG Scientific Research (2025)

SN	Article Name	Link
1.	The effect of chronic kidney disease on adverse in-hospital outcomes after radical cystectomy with ileal conduit urinary diversion	GO
2.	The effect of chronic kidney disease on adverse in-hospital outcomes after radical cystectomy with ileal conduit urinary diversion	GO
3.	Evaluating the stability and efficacy of fractal-fractional models in reproductive cancer apoptosis with ABT-737	GO
4.	https://www.scopus.com/pages/publications/85217531561?origin=organizationpage	GO
5.	Feedback design to measure the effect of therapies in controlling cancer using the fractional approach	GO

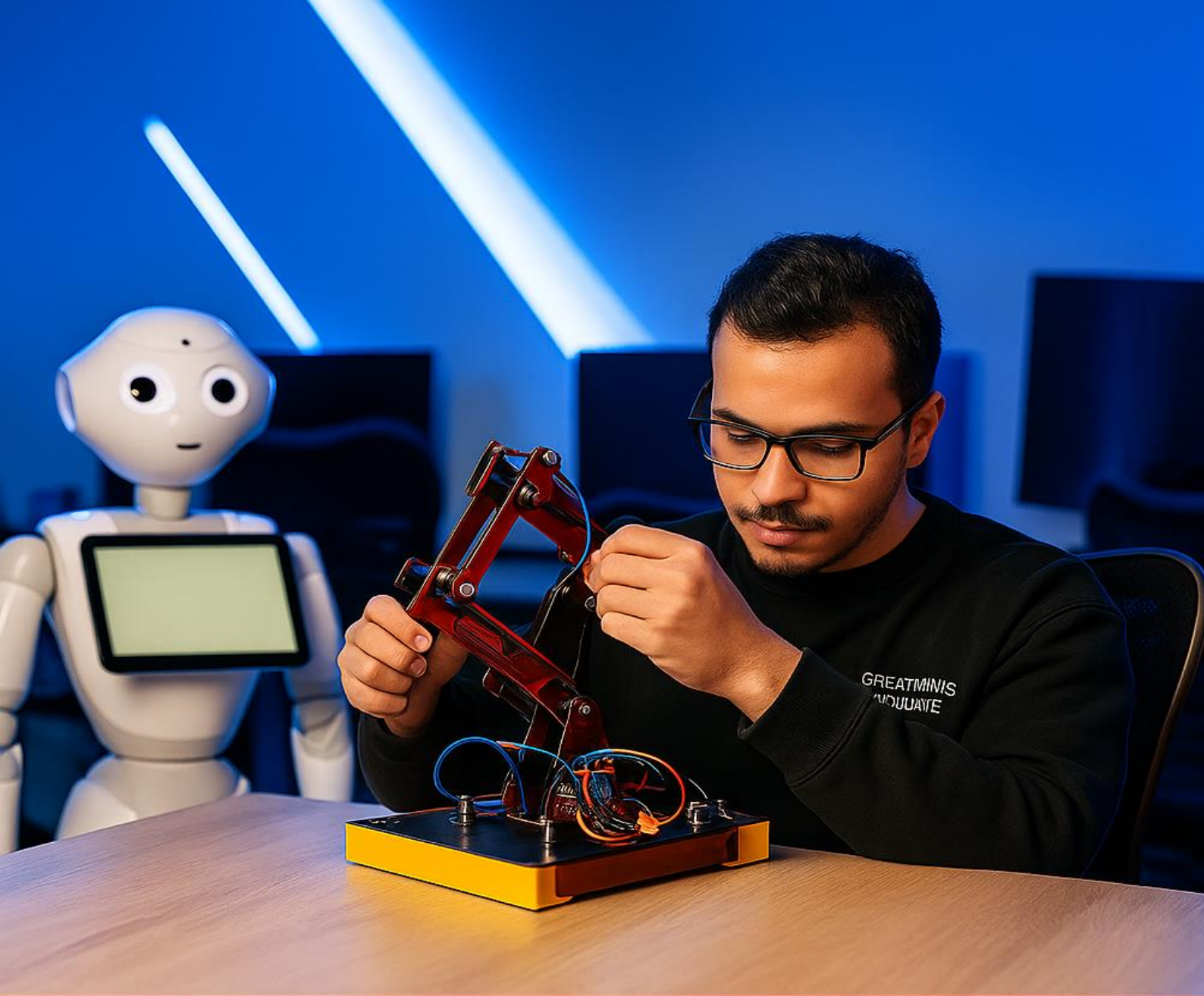


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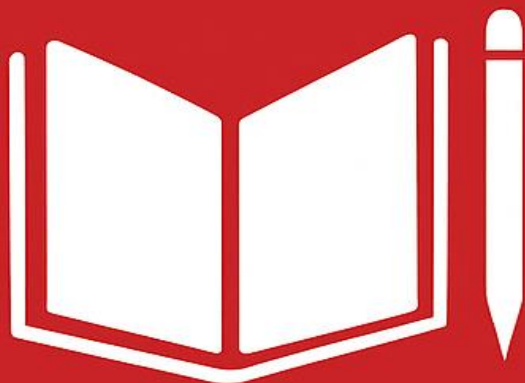
6.	Comprehensive Computational Screening of 2-(2-(5-phenyl-1H-tetrazol-1-yl)ethyl)-1,2-thiazetidine 1,1-dioxide Derivatives as Potential Agents for Next-Generation Antibiotic Combating Drug-Resistant Community-Acquired Bacterial Pneumonia (CABP)	GO
7.	Simvastatin inhibits 20-Hydroxyeicosatetraenoic acid formation: docking and in vitro assay	GO

3.8. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Istishari Hospital	GO
2.	JOEWS Medical	GO
3.	An-Najah National University	GO
4.	Ministry of Health	GO
5.	Royal Health Awareness Society	GO



4 QUALITY EDUCATION





4. Quality Education

4.1. Teaching Qualification Enhancement.

(Teaching Certification Program Delivery)

The University is dedicated to improving the teaching qualifications of faculty members and graduates through specialized certification programs and accredited qualifications that enhance teaching skills and align with higher education standards. These programs, which combine practical and theoretical training, aim to ensure high-quality education and boost the effectiveness of the educational process. Recent initiatives include implementing robust evaluation mechanisms to assess the impact of these certifications on teaching performance, as well as strengthening partnerships with international accreditation bodies to expand the availability of recognized certifications. Through these efforts, the University promotes professional growth and excellence in teaching.

4.2. Free Access to Educational Resources

(Free Library and Educational Resources Access)

The University is dedicated to ensuring equal learning opportunities by providing free access to a wide range of educational resources, including library facilities, courses, and digital resources, for both the university and local communities. In line with this commitment, the University is expanding digital access channels to enhance resource availability, while ongoing improvements to digital infrastructure facilitate seamless access for community members. Regular evaluations are conducted to ensure that access to educational resources remains efficient and effective, supporting a culture of knowledge sharing and accessibility for all.

4.3 Equal Opportunity and Non-Discrimination

(Monitoring and Evaluation of Equal Access)

The University is committed to fostering an inclusive environment that upholds equal opportunities and prevents all forms of discrimination in academic and administrative spheres, including education, employment, and service provision. This dedication to equity and inclusion is supported by enhanced awareness and training programs that emphasize the importance of diversity. A transparent, confidential process is in place for submitting and addressing discrimination complaints, ensuring they are handled effectively. Additionally, regular reviews of employment and academic policies are conducted to ensure they align with equal opportunity and anti-discrimination standards, reinforcing a fair and respectful environment for all.

4.4. First-Generation Student Support

(First-Generation Student Mentoring Programs)

The University is dedicated to empowering first-generation students by providing tailored academic and social support to ensure their success and smooth integration into the university community. Specialized mentoring programs offer guidance in both academic and social skills, addressing unique challenges these students may face. To strengthen this support, the University is developing mentoring content specific to first-generation students, increasing the number of academic advisors for personalized assistance, and implementing continuous monitoring to track their academic and social progress. These initiatives create a supportive environment that fosters growth and achievement for first-generation students.



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4.5. Managing Educational Activities for the Public (Internal and External) (Educational Events Management- Internal and External)

The University is committed to organizing high-quality public educational activities, both on and off campus, to foster knowledge sharing and broaden educational opportunities for the university and the local community. To ensure these events are impactful, a structured framework is in place for managing educational events, with mechanisms developed to measure community impact and track yearly progress. Collaborations with local partners help extend the reach of external educational initiatives, while ongoing training programs for event organizers enhance the quality of these events. These efforts support sustainable learning and community engagement, reinforcing the University's role in knowledge dissemination.

4.6. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1	Teaching Certification Enrollees	96%	99%	99%
2	Free Resource Users	93%	96%	97%
3	Anti-Discrimination Policy Compliance	95%	98%	98%
4	First-Gen Completion Rate	95%	98%	99%
5	Internal Education Event Participants	95%	98%	98%
6	External Education Event Participants	94%	97%	97%

4.7. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Al-Ahliyya Amman University Signs Cooperation Agreement with the Global Academy for Digital Health and Artificial Intelligence	GO
2.	AAU Champions Shine at the West Asian Karate Championship and Claim Gold	GO
3.	President of Al-Ahliyya Amman University Receives Egyptian Delegation to Explore Academic Cooperation	GO
4.	Al-Ahliyya Amman University and the Arab Global Investors Forum Agree to Enhance Research and Scientific Cooperation	GO
5.	Dr. Al-Hourani Honors AAU's Choir and Grants Them a 50% Tuition Discount in Recognition of Their Excellence at Jerash Festival	GO
6.	Al-Ahliyya Amman University Participates in the 10th Arab Chemistry Olympiad	GO
7.	Al-Ahliyya Amman University Participates in the 10th Arab Chemistry Olympiad	GO
8.	AAU Registers Two International Patents in Artificial Intelligence Applications for Adaptive Learning	GO
9.	President of our university Honors the University Team for Winning Third Place in the FinTech Rally Competition	GO

4.8. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Undergraduate students' performance and perception of video-recordings versus live demonstrations for teaching orthodontic laboratory procedures: a randomized trial	GO



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2.	Navigating the future of higher education in Saudi Arabia: implementing AI, machine learning, and big data for sustainable university development	GO
3.	Employing artificial bee and ant colony optimization in machine learning techniques as a cognitive neuroscience tool	GO
4.	Analyzing urban landscapes and land surface temperature for sustainable development in industrial zones	GO
5.	Advanced fabrication and characterization of silver nanoparticles using ai techniques	GO
6.	Advanced fabrication and characterization of silver nanoparticles using ai techniques	GO
7.	The impact of education program on nurses' knowledge and performance about acute exacerbations of chronic bronchial asthma in PICUs	GO
8.	Theatrical activity as a means of forming soft skills in senior preschoolers	GO
9.	Public Perceptions of Ethical Challenges and Opportunities for Enterprises in the Digital Age	GO
10.	Employee Engagement in Corporate Sustainability Initiatives: An Empirical Comparison of Conventional and Modern Working Environment Practices	GO

4.9. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Sela Training	GO
2.	Arab Satellite Broadcasting Organization	GO
3.	Pearson Education, UK	GO
4.	The American Heart Association	GO
5.	Roya Academy for Media Training	GO



5

GENDER
EQUALITY





5. Gender Equality

5.1. Non-Discrimination Against Women

(Monitoring and Ensuring Equal Opportunities, Anti-Discrimination Awareness)

The University is committed to organizing high-quality public educational activities, both on and off campus, to foster knowledge sharing and broaden educational opportunities for the university and the local community. To ensure these events are impactful, a structured framework is in place for managing educational events, with mechanisms developed to measure community impact and track yearly progress. Collaborations with local partners help extend the reach of external educational initiatives, while ongoing training programs for event organizers enhance the quality of these events. These efforts support sustainable learning and community engagement, reinforcing the University's role in knowledge dissemination.

5.2 Women's Access to Education Enhancement

(Female Scholarships Provision, Academic Mentoring and Underrepresented Fields)

The University is dedicated to fostering an inclusive environment that promotes equal opportunities for women and prevents discrimination across all academic and administrative areas. Committed to supporting women's rights and active participation, the University works to enhance female representation in academic programs and employment positions. Key initiatives include providing a discrimination-free environment and conducting regular workshops to raise awareness about the importance of equal opportunities and non-discrimination. Through continuous monitoring and targeted awareness programs, the University ensures a respectful and supportive environment for women's growth and success.

5.3 Non-Discrimination and Respect for Personal Diversity

(Diversity and Personal Respect Guidelines)

The University is dedicated to creating an inclusive environment that respects personal diversity and prohibits discrimination based on race, religion, gender, disability, or any other personal attributes. This commitment ensures a respectful and supportive educational and work environment that values justice and equality for all. Key actions include establishing a confidential reporting and investigation system for discrimination cases, conducting regular workshops on diversity and cultural understanding, and consistently reviewing policies to align with diversity and equality standards. These efforts uphold the University's dedication to fostering a community grounded in respect and inclusivity.

5.4. Support for Women's Participation (Maternity and Paternity)

(Maternity and Paternity Leave Provision, Flexible Work for Supporting Parents)

The University is dedicated to supporting women's participation and promoting work-life balance through flexible maternity and paternity policies. These policies encourage both parents to share childcare responsibilities, helping employees balance their professional and family roles. Key initiatives include raising awareness on shared childcare through workshops, evaluating the impact of flexible work policies on employee satisfaction and productivity, and providing guidance programs on time management and work-life balance. These efforts support working mothers and fathers, enhance women's workforce continuity, and contribute to a more balanced and supportive work environment for all parents.



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5.5. Protection of Whistleblowers Against Discrimination**(Safe Reporting Mechanism, Legal Protection Provision for Whistleblowers)**

The University is dedicated to safeguarding individuals who report cases of discrimination by providing a secure environment and protected reporting channels. This commitment includes legal protection to ensure that whistleblowers experience no adverse effects on their academic or professional careers. Efforts to support this initiative involve conducting regular awareness sessions on whistleblower rights and reporting mechanisms, improving follow-up procedures to handle complaints swiftly and effectively, and establishing periodic reviews of reported cases. These measures help maintain a fair and safe educational and work environment, reinforcing the University's commitment to justice and protection for all.

5.6. Parental Participation in Childcare Duties Support**(Work-Family Balance Support Programs)**

The University is committed to supporting employees in balancing work and family responsibilities by promoting programs and services that encourage active parental involvement in childcare. Flexible policies allow parents to participate fully in childcare without compromising their career growth. Key initiatives include offering work-family balance programs, such as workshops and awareness events, and fostering partnerships with external organizations to provide discounted childcare services, easing financial burdens. Additionally, the University encourages professional development for parents by providing flexible schedules and online learning platforms, enabling career progression while accommodating family needs.

5.7. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1.	Female Academic Representation	93%	96%	97%
2.	Female Scholarship Recipients	94%	97%	98%
3.	Personal Anti-Discrimination Policy Compliance	95%	98%	98%
4.	Maternity Leave Users	97%	100%	100%
5.	Whistleblower Resolution Rate	97%	100%	100%
6.	Work-Family Program Participants	95%	98%	98%

5.8. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	HRH Princess Ayah bint Faisal Patronizes the First Day of Al-Ahliyya Amman University's Graduation Ceremony for the Second Semester of the 32nd Cohort	GO
2.	AAU Wins Gold at Jordanian Universities Chess Championship	GO
3.	Prof. Hamdan at the Higher Education Conference: Al-Ahliyya Amman University: A National Educational Success Story Par Excellence	GO
4.	AAU Congratulates Dr. Mona Al-Nsour on Her Appointment as Technical Advisor to the Jordan Nursing Council	GO
5.	Participation of the Women's Health Center - College of Nursing in the Pink Month event at the Zi Comprehensive Health Center	GO
6.	The Women's Health Center at the College of Nursing holds an awareness lecture on anemia in pregnant women and children at the Safout Health Center.	GO



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7.	The Women's Health Center organizes an awareness course on the dangers of smoking for Saudi nursing students.	GO
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5.9. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Fractional-order mathematical modeling and optimal control strategies for women's empowerment initiatives	GO
2.	Servant leadership and employee innovative behavior: Understanding the influence of inequality reduction within high-power distance cultures	GO
3.	Challenges in Elucidating HIV-1 Genetic Diversity in the Middle East and North Africa: A Review Based on a Systematic Search	GO
4.	Freshman Undergraduate Students' Attitudes Towards Online English Learning: A Case Study at Al-Balqa Applied University	GO
5.	A meta-analysis of the impact of TOE adoption on smart agriculture SMEs performance	GO
6.	The Impact of Board Members Accounting Expertise on Dividends Policy: The Moderator Role of Gender Diversity-Evidence from Jordan	GO
7.	Intersecting Oppressions, Diverging Forms: A Comparative Reading of Woolf and Walker on Women's Resistance and Economic Agency	GO

5.10. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Ein Al Basha Health Center	GO
2.	RENEW MENA	GO
3.	The Jordanian National Commission For Women	GO
4.	Queen Rania Foundation	GO
5.	SIGI Jordan	GO



6 CLEAN WATER AND SANITATION





6. Clean Water and Sanitation

6.1. Campus Water Consumption Management

(Water Consumption Measurement, Drought-Tolerant Landscaping Building Standards for Water Conservation)

The University is committed to sustainable water management on campus by setting stringent standards for measuring and reducing water usage and enhancing water-use efficiency. Key actions include implementing advanced irrigation systems that utilize smart technology and selecting drought-tolerant plants to minimize water demand in landscaping. Additionally, awareness campaigns are conducted to educate students and staff on water conservation practices. Regular assessments are performed to ensure buildings meet water efficiency standards, with improvements made as needed, supporting the University's goal of environmental sustainability through responsible water consumption management.

6.2 Water Treatment and Reuse

(Waste Water Treatment, Water Pollution Prevention, Water Reuse)

The University is dedicated to sustainable water resource management through best practices in wastewater treatment and reuse, aimed at reducing environmental impact. This commitment includes the development of advanced water treatment systems to ensure high wastewater quality, prevent pollution, and promote the safe reuse of treated water according to health and safety standards. Key initiatives involve regular updates to treatment systems to stay compliant with the latest environmental guidelines, awareness programs for students and staff on the benefits of water reuse, and partnerships with local institutions to extend the use of treated water beyond campus.

6.3 Water Management Education and Awareness

(Community Water Management Education, Water Usage Awareness Campaign)

The University is dedicated to promoting environmental awareness and reducing water consumption through comprehensive educational and awareness programs on water management. By instilling a culture of water conservation, the University encourages sustainable practices within both the campus and local community. Key initiatives include regular awareness campaigns on water sustainability, workshops and training sessions to enhance students' understanding of water resource management, and collaborations with local entities to develop joint programs focused on water conservation and quality improvement.

6.4. Water Security and Conservation Collaboration

(Water Security Collaboration, Off-Campus Water Conservation Support Procedure)

The University is committed to enhancing water security and conservation by collaborating with government and community organizations to promote sustainable water resource management beyond campus. Key initiatives include developing joint programs with governmental and community institutions to share expertise on effective water conservation practices. The University also offers awareness workshops in partnership with these organizations to deepen community understanding of water's importance and conservation methods.



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6.5. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1.	Per Capita Water Efficiency Use	94%	97%	98%
2.	Water Conservation Compliance	95%	98%	98%
3.	Water Reuse Rate	91%	94%	96%
4.	Water Education Programs	92%	95%	97%
5.	Water Awareness Campaigns	90%	93%	96%
6.	Water Security Partnerships	89%	92%	95%

6.6. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Amman Al-Ahliyya University Shortlisted for 2025 Times Higher Education Awards Arab World for Three Pioneering Projects	GO
2.	AAU Achieves Global Recognition, Ranked in the 101–200 Band in the Times Higher Education Impact Rankings 2025	GO
3.	AAU Engineering Students Win Third Place in Jordanian Universities Water Competition	GO
4.	A High-Level Delegation from Iraq, in Collaboration with the International Trade Center, Visits AAU	GO
5.	Al-Ahliyya Amman University Participates in the Ninth Jordanian International Civil Engineering Conference	GO
6.	The Faculty of Pharmacy at AAU Participates in a Seminar on Food Security	GO

6.7. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Geospatial and multi-criteria decision-making approach for optimal site selection of solar/wind desalination plants in Oman	GO
2.	Efficient self-attention with smart pruning for sustainable large language models	GO
3.	Evaluation of a novel environmentally friendly cascade combined cooling and power system integrated with LNG regasification and desalination unit	GO
4.	Evaluation of three microalgae within an integrated friendly climatic change bioprocess for real two-phase decanter extraction process olive mill wastewater bioremediation	GO
5.	3D printed polymeric membranes for oil/water separation: a comprehensive review	GO
6.	Carboxylate chitosan-phthalate/ZrO ₂ nanocomposite for removal of methylene blue dye: Characterization and adsorption modeling via response surface methodology	GO
7.	Ionic cross-linked chitosan-oxalate/Al ₂ O ₃ nanocomposite for highly efficient removal of eosin y dye: adsorption isotherm, kinetic, thermodynamic, and process optimization using BBD-RSM	GO
8.	Production of sustainable adsorbent of crosslinked chitosan-oxalate and modified mango (<i>Mangifera indica</i> L.) seed for highly efficient adsorption of crystal violet dye: Water treatment and biomass valorization	GO



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9.	Optimized adsorption of methylene blue dye onto bio-based citric acid-modified oleander (<i>Nerium oleander</i>) leaves/chitosan adsorbent using Box-Behnken design approach	GO
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6.8. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Ministry Of Water And Irrigation	GO
2.	miyahuna	GO
3.	USAID	GO
4.	Jordan Environment Society	GO
5.	CSOs	GO



7 AFFORDABLE AND CLEAN ENERGY





7. Affordable and Clean Energy

7.1. University Building Energy Efficiency

(Water Security Collaboration, Off-Campus Water Conservation Support)

The University is committed to achieving energy efficiency across all campus buildings and facilities, incorporating advanced standards in both new constructions and renovations to minimize energy consumption and carbon emissions. This commitment aligns with global environmental goals, creating a more sustainable campus. Key initiatives include staying current with international energy efficiency standards, applying these practices in all construction and renovation projects, and conducting workshops to educate faculty, staff, and students on energy-saving practices. Additionally, collaborations with specialized sustainable energy institutions facilitate knowledge exchange and the adoption of cutting-edge technologies, reinforcing the University's leadership in energy efficiency.

7.2 Carbon Management and Emissions Reduction

(Carbon Emissions Management)

The University is dedicated to reducing carbon emissions and minimizing environmental impact through innovative strategies, including the integration of solar panels and other renewable technologies across campus. By enhancing energy efficiency, investing in low-carbon energy sources, and adopting eco-friendly standards in all facilities and future projects, the University aims to foster a sustainable campus environment. Key initiatives include developing a long-term plan with clear targets for carbon reduction, organizing training programs and workshops to promote sustainable practices, and implementing solar panels to support energy needs with renewable power. Regular assessments of carbon management procedures ensure continued effectiveness in achieving the University's environmental goals, positioning it as a leader in carbon management and sustainability.

7.3 Energy Efficiency and Clean Energy Education

(Community Energy Efficiency Education Programs)

The University is committed to promoting energy efficiency and clean energy education through dedicated awareness programs that serve both students and the local community. This initiative aims to enhance understanding of energy conservation and the adoption of clean energy technologies, fostering a culture of environmental sustainability. Key efforts include organizing regular workshops and educational lectures to inform the community about energy efficiency and the advantages of clean energy. Additionally, partnerships with community organizations and government bodies help amplify sustainable energy awareness, while the University continues to integrate renewable energy and energy efficiency topics into its academic programs.

7.4. Innovation and Low-Carbon Economy Support

(Low-Carbon Economy Startups Support, Local Industry Energy Efficiency Consulting)

The University is dedicated to driving innovation and advancing a low-carbon economy by fostering an environment that supports entrepreneurs and startups in clean energy and energy efficiency sectors. Through consulting services and technical assistance, the University actively contributes to the development of sustainable solutions that aid in reducing environmental impact and supporting a green economy. Key initiatives include increasing funding for startups



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in low-carbon fields, establishing partnerships with industrial sectors to expand consulting services on energy efficiency, and offering specialized training programs to boost skills in clean energy innovation and entrepreneurship. These efforts position the University as a catalyst for sustainable economic growth and environmental stewardship.

7.5. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2023/2024
1.	Energy Standards Compliance	94%	97%	98%
2.	Energy Efficiency Improvement Rate	95%	98%	98%
3.	CO2 Reduction Rate	94%	97%	97%
4.	Emission Reduction Initiatives	95%	98%	98%
5.	Community Education Programs	91%	94%	97%
6.	Industry Consulting Services	92%	95%	96%

7.6. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Al-Ahliyya Amman University Participates in the 2025 Entrepreneurship Forum (ENGx 360)	GO
2.	The Faculty of Architecture and Design Participates in a Workshop Entitled "Women in the Energy Sector"	GO
3.	AAU Participates in the Artificial Intelligence Conference on the Water, Energy, Food, and Environment Nexus	GO
4.	Dean of the Faculty of Architecture and Design Participates in the 2nd Conference of the Regional Network for Energy and Women in the Middle East and North Africa	GO
5.	Al Ahliyya Amman University Partners with Clean Energy Start-ups for Innovation	GO

7.7. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Optimizing sustainable energy management in grid connected microgrids using quantum particle swarm optimization for cost and emission reduction	GO
2.	Frequency stability improvement in EV-integrated power systems using optimized fuzzy-sliding mode control and real-time validation	GO
3.	Hybrid machine learning framework for predictive maintenance and anomaly detection in lithium-ion batteries using enhanced random forest	GO
4.	RETRACTED ARTICLE: Enhancing MPPT performance for partially shaded photovoltaic arrays through backstepping control with Genetic Algorithm-optimized gains (Scientific Reports, (2024), 14, 1, (3334), 10.1038/s41598-024-53721-w)	GO
5.	A novel TID + IDN controller tuned with coatis optimization algorithm under deregulated hybrid power system	GO
6.	Optimal scheduling of solar powered EV charging stations in a radial distribution system using opposition-based competitive swarm optimization	GO
7.	Comparative analysis of brushless DC and switched reluctance motors for optimizing off-grid water pumping	GO
8.	A high-speed MPPT based horse herd optimization algorithm with dynamic linear active disturbance rejection control for PV battery charging system	GO

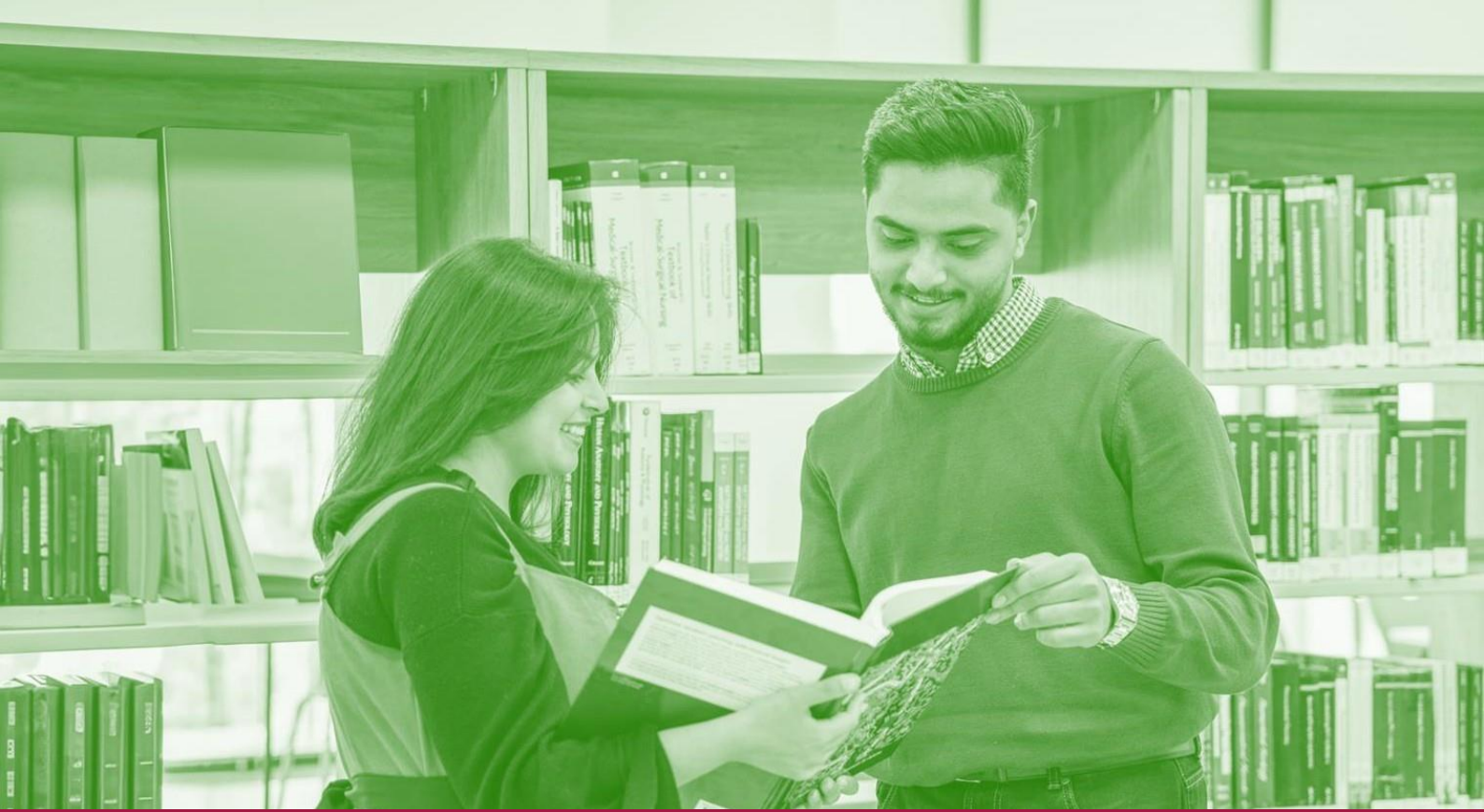


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9.	Advanced microgrid optimization using price-elastic demand response and greedy rat swarm optimization for economic and environmental efficiency	GO
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7.8. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Ministry of Energy and Mineral Resources	GO
2.	National Electric Power Company	GO
3.	Philadelphia Solar	GO
4.	REEE II TA	GO
5.	JREEEF	GO



8 DECENT WORK AND ECONOMIC GROWTH





8. Decent Work and Economic Growth

8.1. Fair and Equitable Wage

(Living Wage Compliance Review, Gender Pays Gap Review, Employee Rights and Pay Appeals)

The University is committed to ensuring fair and equitable wages for all employees, prioritizing living wage standards and promoting pay equity across gender and various demographic groups. This dedication fosters a transparent, balanced work environment that respects employee rights and enhances job satisfaction. Key actions include conducting annual reviews to ensure compliance with living wage standards, establishing a confidential and secure system for reporting pay-related grievances, and guaranteeing fair investigations of these concerns. Additionally, the University promotes internal communication to raise awareness about fair wage policies and encourages feedback to continually improve employee satisfaction and uphold pay equity.

8.2. Labor Rights and Non-Discrimination

(Workplace Anti-Discrimination, Union and Labor Rights Recognition, Long-Term Employment Contract Monitoring)

The University is dedicated to creating a workplace founded on equality and respect for labor rights, free from discrimination, and supportive of equal opportunities for all employees. This commitment includes protecting workers' rights, enhancing union participation, and affirming essential labor standards. To uphold these values, the University prepares annual reports on labor rights and workplace equality, providing senior management with insights for potential policy improvements. Additionally, employees are encouraged to participate in union activities, supported by administrative assistance and a cooperative approach between management and unions. Regular sessions are organized to inform employees of their rights and to guide them on labor and equality policies, ensuring a transparent and fair work environment for everyone.

8.3. Outsourced Labor Rights

(Supplier Labor Rights Compliance Review)

The University is committed to upholding labor rights for outsourced personnel by requiring all suppliers and external partners to comply with established labor standards. This policy ensures a fair and ethical work environment for everyone involved in university activities, regardless of employment type. Key initiatives include implementing a robust system to regularly monitor and evaluate supplier compliance with labor rights, conducting awareness programs to emphasize the importance of these standards, and taking strict actions against non-compliant suppliers, including issuing warnings or contract termination. These measures reinforce the University's dedication to humane and equitable treatment across all partnerships.

8.4. Anti-Forced Labor and Anti-Human Trafficking

(Forced Labor and Human Trafficking Risk Assessment)

The University is firmly committed to preventing forced labor and human trafficking by implementing comprehensive policies and protective measures. This commitment includes establishing procedures to identify, report, and address any instances of forced labor or trafficking, ensuring adherence to both local and international laws. Key actions involve providing training programs for employees and administrators to recognize signs of forced labor and respond appropriately, strengthening partnerships with legal authorities and relevant

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organizations to enforce protective policies and developing secure reporting channels for suspected cases on campus. These initiatives create a safe, rights-respecting work environment and reinforce the University's stance against exploitation.

8.5. Student Work Placement and Development (Student Work Placement Provision)

The University is dedicated to equipping students with valuable practical training opportunities that enhance their job readiness and foster both academic and professional growth. By partnering with local and international companies, the University provides multi-disciplinary fieldwork experience designed to build essential skills for the job market. To ensure effective training, the University is developing a smart electronic monitoring system to evaluate student performance during and after their placements. Additionally, preparatory courses are offered to help students maximize the benefits of their work placements, ensuring a strong foundation for career success after graduation.

8.6. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2023/2024
1.	Living Wage Employees	96%	99%	99%
2.	Pay Equity Satisfaction Rate	95%	98%	99%
3.	Discrimination Complaints Addressed	97%	100%	100%
4.	Labor Rights Compliance	93%	96%	98%
5.	Anti-Forced Labor Compliance	97%	100%	100%
6.	Post-Placement Employment Rate	92%	95%	97%

8.7. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	President of our university Honors the University Team for Winning Third Place in the FinTech Rally Competition	GO
2.	President of Al-Ahliyya Amman University Honors Dr. Walaa Al-Samadi for Excellence in a Distinguished European Project	GO
3.	AAU Participates in the Career Accelerator Program "Employment" and Signs a Memorandum of Understanding with Injaz	GO
4.	HRH Princess Ayah bint Faisal Patronizes the First Day of Al-Ahliyya Amman University's Graduation Ceremony for the Second Semester of the 32nd Cohort	GO
5.	Al-Ahliyya Amman University Signs Cooperation Agreement with Bab Al Qamar (Jeeny) to Enhance Practical Training and Digital Skills for Students	GO
6.	Al-Ahliyya Amman University Team Wins Third Place in FinTech Rally 2025	GO
7.	Remarkable Achievement for Al-Ahliyya Amman University's Engineering Faculty with EU Approval of Graduate Employability Project	GO
8.	Prof. Hamdan at the Arab Conference at "The University of Jordan": Cybersecurity is a Strategic Necessity for the Educational Process and a Safe Digital Society	GO
9.	President of Al-Ahliyya Amman University Receives the Flag of the National Technology Festival 2026	GO
10.	Memorandum of Cooperation between AAU and Huawei Technologies-Jordan	GO



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8.8. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Advanced microgrid optimization using price-elastic demand response and greedy rat swarm optimization for economic and environmental efficiency	GO
2.	Wind energy assessment and hybrid micro-grid optimization for selected regions of Saudi Arabia	GO
3.	The macroeconomic drivers of fintech development in emerging markets: an empirical investigation	GO
4.	Solar-thermoelectric mobile storage system integrated with electric vehicles for reducing postharvest and microbial losses in agro produce transportation	GO
5.	Novel hybrid transfer neural network for wheat crop growth stages recognition using field image	GO
6.	Energy efficiency evaluation of construction projects using data envelopment analysis and Tobit regression	GO
7.	Analyzing urban landscapes and land surface temperature for sustainable development in industrial zones	GO
8.	Medical Waste to Energy: Pyrolysis Oil of Saline Containers Waste Fuelled CI Engine Characteristics Evaluation With Hybrid Nano-Fuel	GO
9.	ADVANCED FABRICATION AND CHARACTERIZATION OF SILVER NANOPARTICLES USING AI TECHNIQUES	GO
10.	Assessing the role of information technology in promoting environmental sustainability and preventing crime in E-commerce	GO

8.9. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Istiklal Hospital	GO
2.	Abdali Hospital	GO
3.	University Schools Group	GO
4.	Gold lab	GO
5.	Zamzam Exchange	GO
6.	Kotler Impact	GO



9 INDUSTRIES, INNOVATION AND INFRASTRUCTURE





9. Industry, Innovation and Infrastructure

9.1. University Spin-Off Support

(Spin-Off Project Mentorship and Support)

The University is dedicated to fostering innovation and entrepreneurship by supporting spin-off projects that emerge from research and academic innovations within the university community. This commitment includes providing a supportive environment for these initiatives to thrive. Key actions involve allocating additional financial resources to aid spin-off projects in their early stages, offering specialized training programs and workshops for aspiring entrepreneurs, and strengthening partnerships with external entities to secure further funding opportunities. Through these efforts, the University empowers spin-off projects, helping to drive innovation and contribute to the broader entrepreneurial ecosystem.

9.2. Industrial and Commercial Research Funding and Revenue Enhancement

(Industry and Commerce Research Partnership Development)

The University is committed to increasing research funding by cultivating partnerships with industrial and commercial sectors, aiming to drive innovation, support sustainable development, and generate revenue from research projects. To strengthen these efforts, the University is developing strategies to attract new partnerships, providing incentives for researchers and faculty members who secure research contracts, and establishing a database to monitor and evaluate the effectiveness of research collaborations. This approach ensures continuous improvement in research partnerships, fostering mutual benefits that enhance both academic and industry outcomes.

9.3 Academic Resources and Targeted Research Expansion

(Academic Resources Allocation by Subject Area)

The University is dedicated to advancing academic resources and research in strategic fields that foster academic innovation and address industry and community needs. This commitment includes prioritizing the development of key academic disciplines by ensuring optimal allocation of resources and faculty support, thereby strengthening both research and educational capacities. Key initiatives involve regular reviews to assess resource requirements across disciplines, reinforcing partnerships with industry and community organizations to support the expansion of strategic fields, and promoting continuous development and training programs for faculty.

9.4. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1.	Supported Spin-Offs	91%	94%	97%
2.	Industrial Research Income	93%	96%	95%
3.	Industry Research Contracts	94%	97%	97%
4.	STEM Academic Staff	96%	99%	99%
5.	Medicine Academic Staff	96%	99%	99%
6.	Arts & Humanities Staff	95%	98%	98%



9.5. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Eight Researchers from Al-Ahliyya Amman University Ranked Among the World's Top 2% Scientists in Stanford 2025 List	GO
2.	Al-Ahliyya Amman University Signs Cooperation Agreement with the Global Academy for Digital Health and Artificial Intelligence	GO
3.	Al-Ahliyya Amman University and the Arab Global Investors Forum Agree to Enhance Research and Scientific Cooperation	GO
4.	Al-Ahliyya Amman University Participates in the 10th Arab Chemistry Olympiad	GO
5.	AAU Registers Two International Patents in Artificial Intelligence Applications for Adaptive Learning	GO
6.	President of our university Honors the University Team for Winning Third Place in the FinTech Rally Competition	GO
7.	Dr. Al-Hadidi from AAU Wins Best Paper Award at Prestigious International Conference in London	GO
8.	President of Al-Ahliyya Amman University Honors Dr. Walaa Al-Samadi for Excellence in a Distinguished European Project	GO
9.	Patent Registration of "A Pharmaceutical Compound for Cancer Treatment" by Al-Ahliyya Amman University in Partnership with the Hashemite and Jordanian Universities	GO

9.6. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Advancing Sustainable Practices in Electronic Customer Relationship Management	GO
2.	Hybrid machine learning framework for predictive maintenance and anomaly detection in lithium-ion batteries using enhanced random forest	GO
3.	Transforming healthcare sustainability: Circular economy approaches and stakeholder collaboration	GO
4.	Novel PLA-Henna composite for sustainable tertiary enhanced oil recovery	GO
5.	Dynamics of 4D supply chain system with fractal fractional derivatives insight of stability analysis and ANN prediction	GO
6.	CTAB modified SnO ₂ PEDOT PSS heterojunction humidity sensor with enhanced sensitivity stability and machine learning evaluation	GO
7.	State-of-the-Art review of liquid organic hydrogen carriers for hydrogen storage and transport: challenges and perspectives	GO
8.	Exploring the impact of AI on employee self-competence performance key variables and outcomes	GO
9.	A reliable framework for supply chain management using cluster based blockchain for intelligent industrial automation	GO
10.	Geospatial and multi-criteria decision-making approach for optimal site selection of solar/wind desalination plants in Oman	GO



9.7. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Jordanian Engineers Association	GO
2.	Pearson BTEC	GO
3.	AgriWatch	GO
4.	Arab Forum for Agriculture	GO
5.	Palestine Technical University - Kadoorie	GO



10 REDUCED INEQUALITIES





10. Reduced Inequalities

10.1. First-Generation Student Support

(Tracking First-Generation Students, Mentoring Programs for First-Generation Students)

The University is dedicated to supporting first-generation students by providing tailored mentoring and academic support programs that foster their academic success and help them adapt to university life. Key initiatives include developing specialized mentoring programs to strengthen their academic skills, offering additional scholarships and financial aid to alleviate financial burdens, and organizing awareness events to promote their engagement in university activities. These efforts aim to create a supportive environment that encourages first-generation students to build meaningful academic and social connections, enhancing their overall higher education experience.

10.2. International Students from Developing Countries Support

(Scholarships for International Students from Developing Countries)

The University is committed to supporting international students from developing countries by offering accessible educational opportunities, including scholarships, academic support, and a range of services designed to foster an inclusive educational environment. These initiatives promote cultural diversity and knowledge exchange, while also contributing to the development of students' home countries. Key efforts include expanding scholarship programs to increase the number of seats for international students, developing tailored academic and social support services such as orientation and mentoring programs, and strengthening partnerships with universities and institutions in developing countries to enhance academic collaboration and student exchange opportunities. Through these measures, the University builds a welcoming and enriching environment for international students.

10.3. Disability Inclusion and Support

(Accessible Facilities for People with Disabilities, Disability Support Services - reasonable accommodation- including adequately funded)

The University is committed to supporting international students from developing countries by offering accessible educational opportunities, including scholarships, academic support, and a range of services designed to foster an inclusive educational environment. These initiatives promote cultural diversity and knowledge exchange, while also contributing to the development of students' home countries. Key efforts include expanding scholarship programs to increase the number of seats for international students, developing tailored academic and social support services such as orientation and mentoring programs, and strengthening partnerships with universities and institutions in developing countries to enhance academic collaboration and student exchange opportunities. Through these measures, the University builds a welcoming and enriching environment for international students.

10.4. Anti-Discrimination and Anti-Harassment

(Anti-Discrimination and Anti-Harassment Complaints, Anti-Discrimination Workshops Procedure)

The University is committed to fostering a safe and inclusive environment by preventing all forms of discrimination and harassment, ensuring fair treatment and mutual respect for all community members. This policy promotes equality in both work and study settings, aligned



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with applicable regulations. Key initiatives include expanding training programs on anti-discrimination and anti-harassment for staff and students, improving confidential reporting channels for complaints, and conducting annual reviews of policies and procedures to maintain a high standard of inclusivity. Through these actions, the University supports a respectful and equitable environment for everyone.

10.5. Diversity and Equality Support (Support Programs for Underrepresented Groups)

The University is committed to fostering diversity and equality by implementing comprehensive programs and policies that support the representation and inclusion of underrepresented groups within the university community. This commitment includes creating a fair and inclusive environment, promoting cross-cultural understanding, and encouraging mutual respect among all members. Key initiatives include expanding diversity and equality awareness programs to involve the local community alongside students and staff, developing regular training for faculty and administrative staff on inclusive practices, and establishing dedicated campus spaces for open discussions on diversity and equality. These efforts build an integrated, understanding campus community that celebrates diversity and supports all individuals.

10.6. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1.	First-Generation Students	93%	96%	97%
2.	Intl. Students from Developing Countries	95%	98%	99%
3.	Accessible Facilities Rate	96%	99%	99%
4.	Disability Support Beneficiaries	96%	99%	99%
5.	Discrimination & Harassment Complaints Addressed	97%	100%	100%
6.	Underrepresented Group Beneficiaries	95%	98%	99%

10.7. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Dr. Al-Hourani Honors AAU's Choir and Grants Them a 50% Tuition Discount in Recognition of Their Excellence at Jerash Festival	GO
2.	AAU Achieves Global Recognition, Ranked in the 101–200 Band in the Times Higher Education Impact Rankings 2025	GO
3.	Amman Ahliyya organizes a volunteer campaign to support the Clothing Bank in cooperation with the Jordanian Hashemite Charity Organization.	GO
4.	Career Day 2025 at AAU	GO
5.	AAU Nursing Department Celebrates International Nurses Day with Awareness and Humanitarian Activities	GO
6.	Prof. Sari Hamdan Honors a Group of Outstanding Saudi Students	GO
7.	Honoring the College of Nursing at Amman Ahliyya at the Independence Hospital celebration	GO
8.	Al-Ahliyya Amman University Participates in Al-Balqa Governorate Job Fair to Promote Technical and Vocational Education Awareness	GO



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9.	AAU Participates in and Sponsors the 11th Hearing and Balance Health Conference 2025	GO
10.	Participation of the Women's Health Center - College of Nursing in the Pink Month event at the Zi Comprehensive Health Center	GO

10.7. SDG Scientific Research (2025)

SN	Article Name	Link
1.	The macroeconomic drivers of fintech development in emerging markets: an empirical investigation	GO
2.	Contemporary rates and predictors of prolonged hospital stay after radical cystectomy: a population-based analysis	GO
3.	Navigating the future of higher education in Saudi Arabia: implementing AI, machine learning, and big data for sustainable university development	GO
4.	Evaluating the Effectiveness of Disability Awareness Programs on Influencing University Students' Attitudes	GO
5.	Servant leadership and employee innovative behavior: Understanding the influence of inequality reduction within high-power distance cultures	GO
6.	Determinants of voluntary COVID-19 disclosure post-pandemic: Evidence from Jordan	GO
7.	Temporal Trends and Differences in Inpatient Palliative Care Use in Metastatic Penile Cancer Patients	GO
8.	Hotspots and trends of financial technology (fintech) research: a bibliometric analysis	GO
9.	A Decision Framework for Intra Task Fixed Priority INTEL PXA270 Distributed Architecture for Soft RT-Applications Based on Deep Learning	GO
10.	Carbon neutrality and economic stability nexus: An integrated renewable energy transition to decarbonize the energy sector	GO

10.8. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Renew Mena, World Bank	GO
2.	MOSD	GO
3.	Islamic Relief	GO
4.	Jordan River Foundation	GO
5.	The Jordanian National Commission for Women	GO



11 SUSTAINABLE CITIES AND COMMUNITIES





11. Sustainable Cities and Communities

11.1. Arts and Cultural Heritage Support

(Public Access to Heritage Buildings and Landscapes, Public Arts Events Organization)

The University is dedicated to supporting the arts, preserving cultural heritage, and increasing public access to culturally significant facilities, including heritage buildings and landscapes. By organizing cultural and artistic events, the University enriches the cultural experience for students and the local community while raising awareness of heritage and the arts. Key actions include expanding open cultural events to enhance community participation, strengthening collaborations with local cultural institutions to diversify activities, and developing student training programs on the significance of cultural preservation. These efforts foster appreciation for heritage and ensure its continuity for future generations.

11.2. Sustainable Commuting and Housing Practices

(Sustainable Commuting Measurement and Promotion, Affordable Housing Provision for Students and Staff, Remote Working and Telecommuting Encouragement)

The University is committed to promoting sustainable commuting practices and providing affordable housing options for students and faculty, as well as supporting remote work options for employees. This approach aims to reduce both environmental and economic impacts associated with commuting, contributing to a more sustainable campus life. Key initiatives include increasing the number of electric vehicles charging stations to encourage the use of electric cars, developing bike lanes and other facilities that support sustainable commuting, and offering awareness programs to highlight the environmental benefits of these practices. Additionally, affordable housing options are provided for students and staff, and remote work options are encouraged to further reduce the need for daily commuting. These efforts support a greener, more inclusive university experience.

11.3. Sustainable Building and Campus Planning

(Sustainable Building Standards, Pedestrian Access Priority, Local Authority Collaboration for Community Planning)

The University is dedicated to integrating sustainable building and campus planning practices to create an environmentally responsible and accessible campus. By adhering to sustainable building standards, the University minimizes its environmental footprint and supports a healthier, more efficient infrastructure. Key initiatives include prioritizing pedestrian access across campus to encourage walkability, reducing the need for vehicle use. Collaboration with local authorities further enhances community planning efforts, ensuring that campus developments align with broader sustainability and community accessibility goals. In addition, efforts to promote sustainable commuting, such as expanding electric vehicle charging stations, reinforce the University's commitment to an eco-friendly and accessible campus environment.

11.4. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1.	Public Arts Events	95%	98%	99%
2.	Sustainable Commuting Rate	96%	99%	99%
3.	Affordable Housing Units	95%	98%	99%
4.	Remote Work Participation	83%	86%	88%
5.	Sustainable Building Compliance	97%	100%	100%
6.	Local Authority Projects	93%	96%	98%



11.5. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Dr. Al-Hourani Honors AAU's Choir and Grants Them a 50% Tuition Discount in Recognition of Their Excellence at Jerash Festival	GO
2.	Dr. Al-Hadidi from AAU Wins Best Paper Award at Prestigious International Conference in London	GO
3.	Al-Ahliyya Amman University Wins Three Awards at Alexandria International Theatre Festival for Its Play "Jaffa and the Blue Door"	GO
4.	Al-Ahliyya Amman University Participates in the International Turkish Cuisine Summer Program	GO
5.	Al-Ahliyya Amman University Participates in the Jordan International Food Festival 2025	GO
6.	AAU Opens the Second Local Products Exhibition 2025	GO
7.	A Scientific Visit to the Roman Theater for Students of the Recreation and Sports Tourism Course	GO

11.6. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Intelligent waste sorting for urban sustainability using deep learning	GO
2.	Proximal Policy Optimization-based Task Offloading Framework for Smart Disaster Monitoring using UAV-assisted WSNs	GO
3.	Strategies for applying interpretable and explainable AI in real world IoT applications	GO
4.	Drone-assisted adaptive object detection and privacy-preserving surveillance in smart cities using whale-optimized deep reinforcement learning techniques	GO
5.	Enhanced hydrogen production via PANI-Ni catalyzed pyrolysis of Scenedesmus sp. algae biomass from municipal liquid waste	GO
6.	Analyzing urban landscapes and land surface temperature for sustainable development in industrial zones	GO
7.	Assessing the operational features of bus rapid transit at innovative roundabouts: an integrated BWM-MABAC method	GO
8.	Advancing Object Detection in Transportation with Multimodal Large Language Models (MLLMs): A Comprehensive Review and Empirical Testing	GO
9.	AI for Data Quality Auditing: Detecting Mislabeled Work Zone Crashes Using Large Language Models	GO
10.	Machine Learning-Enhanced Building Information Modeling (BIM) for Sustainable Urban Planning	GO



11.7. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	ISCPB&S	GO
2.	AgriWatch	GO
3.	University of Twente	GO
4.	Arab agro forum	GO
5.	Jordanian Engineers Association	GO



12 RESPONSIBLE CONSUMPTION AND PRODUCTION





12. Responsible Consumption and Production

12.1. Ethical Sourcing of Food and Supplies (Supplier Ethical Sourcing Assessment)

The University is committed to promoting sustainability and social justice through ethical sourcing practices for food and supplies, ensuring that all partners within its supply chain adhere to responsible environmental and social standards. To reinforce this commitment, the University has established regular review and evaluation mechanisms to assess supplier compliance with ethical sourcing standards. Efforts also include raising awareness within the university community about the importance of ethical sourcing, encouraging students and faculty to support these practices. Additionally, the University develops strategic partnerships with suppliers who prioritize sustainability, strengthening a supply chain that aligns with environmental and social responsibility values.

12.2. Hazardous Waste Management (Hazardous Waste Disposal Management)

The University is dedicated to the safe and responsible management of hazardous waste, ensuring compliance with environmental standards to protect the university community and surrounding environment. By implementing best practices in hazardous waste disposal, the University upholds its commitment to sustainability and safety. Key actions include providing regular training for staff and students on proper hazardous waste handling, developing an electronic tracking system to monitor waste from generation to disposal, and collaborating with specialized waste management entities to ensure environmentally responsible disposal. These measures reinforce the University's dedication to maintaining a safe campus and promoting environmental health.

12.3. Recycled Waste Management and Measurement (Waste Generation and Recycling Measurement)

The University is committed to promoting environmental sustainability by effectively managing recycled waste and reducing landfill contributions. Through structured waste reduction processes, the University aims to increase the percentage of recycled waste, advancing a culture of sustainability on campus. Key initiatives include incorporating sustainability and recycling education into the curriculum to enhance student awareness, strengthening partnerships with local and international waste management organizations to adopt best practices, and organizing regular campus clean-up campaigns. These efforts engage students and staff in active recycling participation and foster a shared responsibility for waste reduction. An emphasis on measuring waste generation and recycling rates allows the University to track progress and continually improve waste management practices.

12.4. Plastic and Disposable Item Minimization (Plastic Reduction in Consumables)

The University is committed to minimizing the use of plastic and non-biodegradable items throughout its facilities and departments by adopting sustainable alternatives and raising awareness about the environmental impact of plastic pollution. This initiative aims to create a more sustainable campus environment that reduces waste and enhances environmental health. Key actions include expanding environmental awareness campaigns, incorporating training

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sessions on transitioning to eco-friendly alternatives and collaborating with suppliers to ensure access to sustainable options over single-use plastics. Regular surveys are conducted to monitor compliance with plastic reduction efforts in colleges and departments, with feedback provided to support continuous improvement. These efforts collectively reinforce the University's commitment to reducing plastic waste and promoting responsible consumption practices.

12.5. Disposable Item Use Minimization (Disposable Item Reduction on Campus)

The University is dedicated to minimizing the use of disposable items on campus by promoting sustainable alternatives and encouraging the adoption of reusable products. This commitment aims to reduce waste generated from single-use items and cultivate a culture of sustainable consumption among students, faculty, and staff. Key initiatives include expanding awareness programs that highlight the importance of reducing single-use items, working with campus vendors to provide reusable products at competitive prices, and developing training programs for faculty and staff on best practices in waste reduction and sustainability. These actions support an eco-friendlier campus environment and reinforce responsible consumption practices.

12.6. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1.	Ethical Sourcing Compliance	91%	94%	95%
2.	Hazardous Waste Safety Rate	97%	100%	100%
3.	Waste Recycled	92%	95%	97%
4.	Plastic Consumption Reduction	95%	98%	98%
5.	Reusable Products on Campus	93%	96%	97%
6.	Consumption Awareness Initiatives	92%	95%	96%

12.7. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Amman Al-Ahliyya University Shortlisted for 2025 Times Higher Education Awards Arab World for Three Pioneering Projects	GO
2.	Al-Ahliyya Amman University and Jordanian Dairy Company “Maha” Sign Agreement with University of Petra to Develop Innovative Dairy Product for Digestive Health	GO
3.	AAU Opens the Second Local Products Exhibition 2025	GO
4.	Al-Ahliyya Amman University Participates in the 2025 Entrepreneurship Forum (ENGx 360)	GO
5.	The College of Agricultural Technology at Amman Ahliyya University organizes a sensory evaluation event for food products prepared by students.	GO

12.8. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Transforming healthcare sustainability: Circular economy approaches and stakeholder collaboration	GO
2.	Dynamics of 4D supply chain system with fractal fractional derivatives insight of stability analysis and ANN prediction	GO
3.	State-of-the-Art review of liquid organic hydrogen carriers for hydrogen storage and transport: challenges and perspectives	GO



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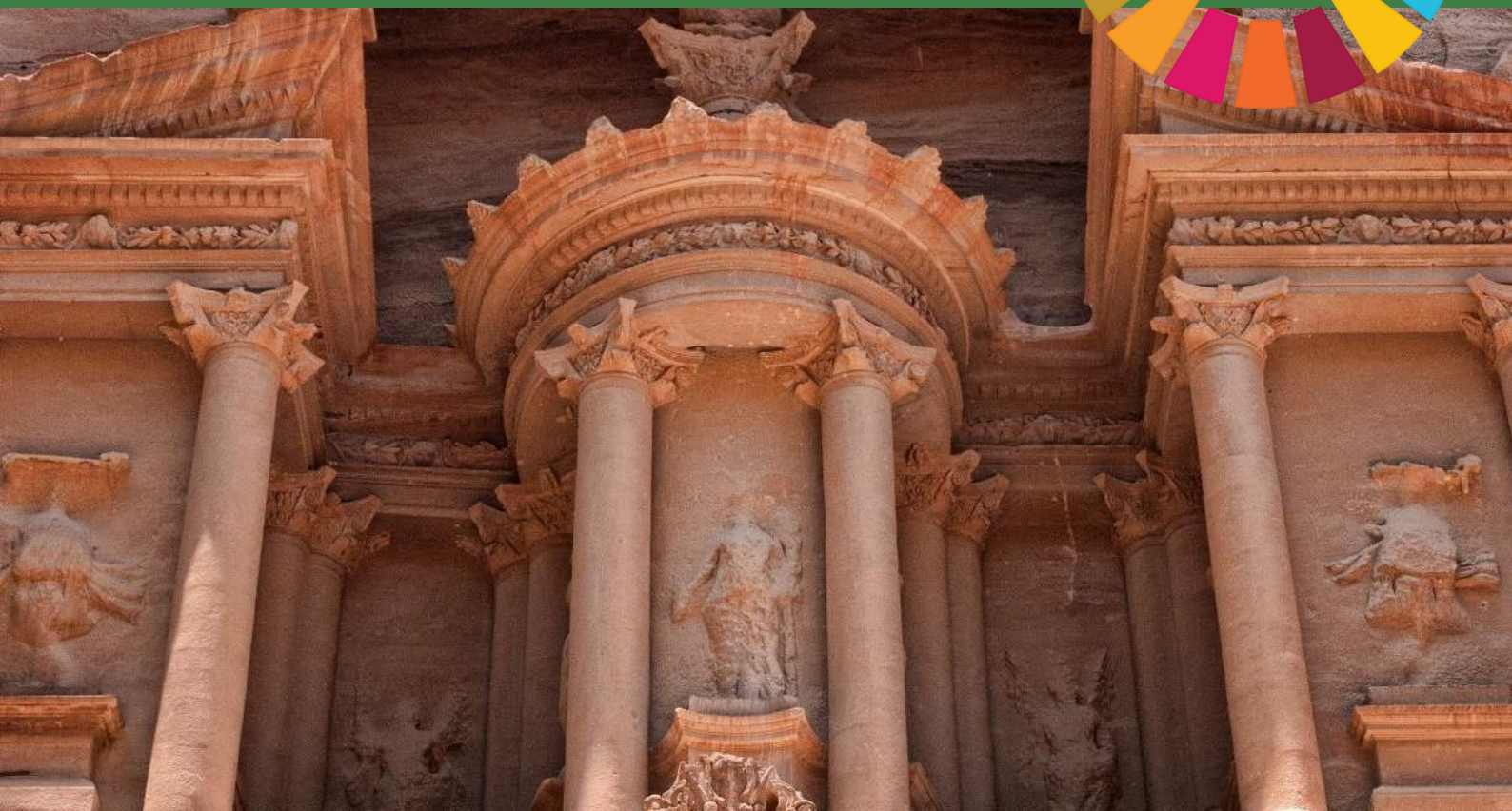
4.	Intelligent waste sorting for urban sustainability using deep learning	GO
5.	Comparative techno-economic analysis of grid-connected solar PV-battery and PV-fuel cell systems for educational institutions sustainable academic laboratories	GO
6.	Navigating the future of higher education in Saudi Arabia: implementing AI, machine learning, and big data for sustainable university development	GO
7.	Solar-thermoelectric mobile storage system integrated with electric vehicles for reducing postharvest and microbial losses in agro produce transportation	GO
8.	Energy efficiency evaluation of construction projects using data envelopment analysis and Tobit regression	GO
9.	Efficient self-attention with smart pruning for sustainable large language models	GO
10.	Enhancing energy efficiency in buildings using sawdust-based insulation in hot arid climates	GO

12.9. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Ministry of Environment	GO
2.	Ibrahim Jazr company	GO
3.	Jocycle company	GO
4.	Issa qawwas company	GO
5.	UNEP	GO



13 CLIMATE ACTION





13. Climate Action

13.1. Low Carbon Energy Use

(Low Carbon Energy Measurement)

The University is dedicated to increasing the use of low-carbon energy on campus to reduce carbon emissions and improve energy efficiency, supporting sustainable development and minimizing environmental impact. This commitment includes actively measuring and tracking low-carbon energy usage to ensure effective implementation of energy-efficient practices across campus. By incorporating renewable energy sources and optimizing energy systems, the University aims to foster an eco-friendly environment that aligns with global sustainability goals. These efforts contribute significantly to reducing the University's carbon footprint and advancing its role in promoting responsible energy use.

13.2. Climate Change Education

(Climate Change Education Campaigns, Community and Government Climate Action Planning)

The University is committed to enhancing education and awareness around climate change by offering targeted educational programs and campaigns that benefit both the university and the broader community. This initiative aims to increase understanding of environmental risks, promote adaptation to climate change impacts, and foster the development of sustainable solutions. Key actions include collaborating with government entities and non-profit organizations to conduct joint workshops, refining educational content to incorporate the latest climate change research, and extending awareness campaigns to surrounding communities. Through these efforts, the University actively supports climate resilience and empowers individuals to participate in meaningful climate action planning.

13.3. Carbon Neutrality Target

(Carbon Neutrality Target Implementation, Emissions Reduction and Clean Energy Initiatives Procedure)

The University is committed to achieving carbon neutrality by reducing emissions and promoting clean, sustainable energy sources through integrated strategies and innovative initiatives. This commitment includes a clear timeline and actionable steps to reach carbon neutrality goals. Key initiatives involve strengthening partnerships with clean energy organizations for technical support on emission-reducing technologies, conducting workshops to raise awareness about carbon neutrality within the university community, and implementing advanced technologies aimed at minimizing emissions. Efforts such as improving building energy efficiency and utilizing renewable energy sources reinforce the University's dedication to a sustainable future and meeting its carbon neutrality target.

13.4. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1.	Low-Carbon Energy Use	95%	98%	98%
2.	Climate Education Programs	91%	94%	97%
3.	Climate Action Partnerships	90%	93%	95%
4.	Carbon Neutrality Target - 2027	95%	98%	98%
5.	Emission Reduction Rate	93%	96%	97%
6.	Clean Energy Initiatives	96%	99%	99%



13.5. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Dr. Al-Hadidi from AAU Wins Best Paper Award at Prestigious International Conference in London	GO
2.	Amman Al-Ahliyya University Organizes Scientific Day Marking World Day to Combat Desertification and Drought, with Participation of National Figures and Specialized Institutions	GO
3.	AAU Engineering Students Win Third Place in Jordanian Universities Water Competition	GO
4.	AAU Celebrates Arbor Day in Al-Balqa Governorate	GO
5.	Agricultural Technology at Al-Ahliyya Amman University Participates in the Smart Agriculture Conference in Tunisia	GO
6.	Faculty of Agricultural Technology at AAU Participates in a Workshop on "Green Economy: Sustainable Innovation and Entrepreneurship" in Cairo	GO

13.6. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Optimizing sustainable energy management in grid connected microgrids using quantum particle swarm optimization for cost and emission reduction	GO
2.	Advanced microgrid optimization using price-elastic demand response and greedy rat swarm optimization for economic and environmental efficiency	GO
3.	Exploring transition metal-based electrocatalysts for carbon dioxide reduction: Towards enhanced product	GO
4.	Transforming healthcare sustainability: Circular economy approaches and stakeholder collaboration	GO
5.	Impact of EV charging strategies on solar-powered residential buildings: unidirectional vs. bidirectional charging in Jordan	GO
6.	Advanced MnNi-P/ZIF8@CNT electrocatalyst for CO2 reduction: Achieving high efficiency, stability, and low energy demand	GO
7.	Economic feasibility and environmental benefits of green hydrogen production in Southeast Asia using solar and wind energy	GO
8.	Evaluation of three microalgae within an integrated friendly climatic change bioprocess for real two-phase decanter extraction process olive mill wastewater bioremediation	GO
9.	Investigating the capacity of Co-doped BN-yne in catalyzing the dissociation of carbon dioxide through density functional theory computations	GO
10.	Analyzing urban landscapes and land surface temperature for sustainable development in industrial zones	GO

13.7. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Ministry of Environment	GO
2.	Jordan Environment Society	GO
3.	Civil Society Organizations	GO
4.	JCCAP	GO
5.	Royal Scientific Society RSS	GO



14 LIFE BELOW WATER





14. Life Below Water

14.1. Aquatic Ecosystems Education Support

(Fresh-Water Ecosystems Education Outreach, Sustainable Fisheries and Aquatic Tourism Awareness)

The University is dedicated to promoting the importance of aquatic ecosystems through comprehensive education and outreach initiatives. This commitment supports the conservation of freshwater ecosystems and advocates for sustainable fishing practices by engaging both the university and local community. Key initiatives include launching regular awareness campaigns that highlight the need to protect aquatic environments, expanding educational programs and workshops for students and community members on ecosystem conservation, and fostering partnerships with government and non-profit organizations to enhance collaborative environmental sustainability projects. These efforts not only raise awareness but also encourage responsible practices around sustainable fisheries and aquatic tourism, reinforcing the University's role in environmental stewardship.

14.2. Aquatic Ecosystems Conservation Action

(Marine Resource Conservation Events, Aquatic Ecosystems Protection Research and Development)

The University is committed to the conservation and sustainability of aquatic ecosystems through targeted initiatives that protect water resources and implement best practices for safeguarding threatened aquatic systems. Key actions include establishing partnerships with government agencies dedicated to environmental and water resource protection to align university policies with broader national and local strategies. Additionally, the University encourages faculty and researchers to collaborate with international and local institutions on water resource protection projects, offering research grants for innovative studies in this area. Academic programs are also being developed to focus on the sustainability and conservation of aquatic ecosystems, providing students with practical learning through field visits and case studies. These efforts support marine resource conservation and advance research in aquatic ecosystem protection.

14.3. Marine Resources Sustainability and Waste Disposal

(Water Quality Standards for Waste Discharge, Plastic Waste Reduction Action Plan, Sustainable Aquatic Food Sourcing)

The University is dedicated to promoting sustainable practices in marine resource management and reducing marine pollution, implementing strict environmental standards to protect water quality and minimize waste, particularly plastic. This commitment supports the sustainable use of water resources and fosters awareness of the importance of aquatic ecosystem preservation. Key initiatives include organizing field trips to environmentally significant marine and aquatic areas for students and staff, strengthening partnerships with environmental organizations and NGOs to conduct community awareness campaigns on marine protection, and collaborating with local tourism institutions to establish sustainable tourism standards that aid in marine conservation. Additionally, the University actively promotes plastic waste reduction and sustainable aquatic food sourcing, ensuring a responsible approach to marine resource sustainability.



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14.4. Local Aquatic Ecosystems Stewardship (Aquatic Ecosystems Health Monitoring, Watershed Management and Community Collaboration)

The University is committed to protecting and ensuring the sustainability of local aquatic ecosystems through comprehensive programs focused on monitoring environmental health and regularly assessing ecosystem status. This commitment also includes fostering partnerships with the local community for effective watershed management, supporting biodiversity conservation and sustainable water resource use. Key initiatives involve collaboration with local and international organizations specializing in aquatic ecosystem protection to gain scientific insights and develop innovative sustainability programs. Additionally, the University integrates water sustainability education and training into its curriculum, preparing students to contribute to ecosystem protection. Advanced scientific research on water protection technologies and biodiversity conservation is encouraged, with grants and incentives available for researchers and students working on sustainable solutions to address aquatic ecosystem challenges. These actions strengthen the University's role in aquatic ecosystem stewardship and long-term environmental health.

14.5. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1.	Freshwater Education Programs	93%	96%	97%
2.	Fisheries Awareness Events	89%	92%	94%
3.	Marine Conservation Events	88%	91%	94%
4.	Water Quality Compliance	97%	100%	100%
5.	Sustainable Aquatic Food Rate	93%	96%	97%
6.	Watershed Projects with Communities	91%	94%	96%

14.6. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	University Launches Marine Conservation Workshops to Promote Ocean Protection	GO
2.	University Hosts Beach Cleanup at Aqaba Sea to Support Marine Conservation Efforts	GO
3.	University Launches Research Initiative on Marine Ecosystem Preservation	GO
4.	University Partners with Marine NGOs to Advance Ocean Conservation	GO
5.	University Launches Sustainable Fishing Practices Awareness Campaign	GO

14.7. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Geospatial and multi-criteria decision-making approach for optimal site selection of solar/wind desalination plants in Oman	GO
2.	Landslide Stabilization of Al-Adasiah Road Using Pile Wall Retaining System	GO
3.	Isolation and Identification of Some Crude Oil-Degrading Bacterial From Soil Contaminated With Crude Oil	GO
4.	Nanoconfined MoS ₂ quantum dots in mesoporous TiO ₂ : a high-performance platform for electrochemical microplastic sensing	GO
5.	Spectral decomposition-based static reservoir simulations image Cretaceous hydrocarbon-bearing incised-valley, Southwest Pakistan	GO



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6.	Promoting Tourism Sustainability in Jordan: Policy Effectiveness and Stakeholders Perspectives	GO
7.	Power generation expansion planning with high penetration of geothermal energy – Potential, prospects and policy	GO
8.	Sustainable synthesis of marine-derived hydroxyapatite for biomedical applications: a systematic review on extraction methods and bioactivity	GO

SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Royal Marine Conservation Society of Jordan (JREDS)	GO
2.	United Nations Environment Program	GO
3.	The royal marine conservation society of jordan - jreds	GO
4.	Minister of Environment	GO
5.	Aqaba marine park	GO



15 LIFE ON LAND





15. Life On Land

15.1. Sustainable Campus Food Farming

(Campus Sustainable Food Farming Practices Monitoring)

The University is dedicated to promoting sustainable food farming on campus, implementing environmentally responsible practices that support biodiversity and minimize ecological impact. By adhering to recognized environmental standards, the University contributes to sustainable food production and natural resource conservation. Key initiatives include conducting specialized workshops for students and staff to raise awareness of sustainable farming's environmental benefits, expanding designated areas on campus for sustainable farming, and collaborating with external specialists to adopt best practices. Monitoring systems ensure the effectiveness of these practices, reinforcing the University's commitment to sustainability in food farming and ecological stewardship.

15.2. Terrestrial Ecosystems Conservation and Restoration

(University Terrestrial Ecosystems Restoration, Sustainable Land Ecosystems Education Program Delivery)

The University is dedicated to the conservation and restoration of terrestrial ecosystems through comprehensive programs designed to protect and rejuvenate natural environments both within and around the campus. These initiatives focus on sustainable management of forests and agricultural lands, enhancing biodiversity, and ensuring ecosystem sustainability for future generations. Key actions include increasing collaboration with local and international environmental organizations to support restoration projects, implementing monitoring mechanisms to assess ecosystem health regularly, and encouraging the use of modern technology in restoration efforts and sustainable land management. Additionally, the University integrates these practices into its educational programs, providing students with knowledge and skills in sustainable land ecosystem management. These efforts reinforce the University's commitment to terrestrial ecosystem stewardship and environmental sustainability.

15.3. International Union for Conservation of Nature [IUCN] Red List Species Protection

(Threatened Species Monitoring and Protection)

The University is dedicated to the protection of threatened species listed on the IUCN Red List, ensuring the sustainability of their natural habitats in areas related to the campus. This commitment supports biodiversity conservation through the application of rigorous sustainability standards and adherence to the requirements set by the International Union for Conservation of Nature (IUCN). Key initiatives include implementing specialized training programs to raise awareness about the importance of conserving threatened species, developing a comprehensive management plan for natural areas on campus to safeguard biodiversity, and strengthening partnerships with environmental organizations to bolster local and international conservation efforts. Through these measures, the University plays a proactive role in the monitoring and protection of vulnerable species and their ecosystems.



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15.4. Alien Species Impact Reduction**(Alien Species Control and Eradication)**

The University is committed to minimizing the negative impact of alien species on the campus environment through dedicated policies and procedures designed to control their spread and protect local biodiversity. This approach includes specialized awareness programs for students and staff to educate them on the environmental risks associated with alien species and the importance of managing their presence. Regular monitoring procedures are in place to detect and swiftly address any occurrences of alien species on campus. Additionally, the University collaborates with environmental organizations to conduct joint research on effective impact and control methods, reinforcing its role in safeguarding campus ecosystems and supporting local biodiversity.

15.5. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2024/2025
1.	Sustainable Campus-Grown Food	95%	98%	98%
2.	Restored Ecosystem Areas	93%	96%	97%
3.	Ecosystem Education Programs	91%	94%	96%
4.	Sustainable Land Management Programs	89%	92%	96%
5.	IUCN Standards Compliance	92%	95%	97%
6.	Alien Species Impact Reduction	96%	99%	99%

15.6. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Amman Al-Ahliyya University Organizes Scientific Day Marking World Day to Combat Desertification and Drought, with Participation of National Figures and Specialized Institutions	GO
2.	AAU Celebrates Jordanian Flag Day in a Patriotic Atmosphere	GO
3.	Students from the College of Agricultural Technology at Amman Ahliyya University organize a scientific visit to the Royal Botanic Garden.	GO
4.	Participation of the Faculty of Agricultural Technology in the Biodiversity and Food Security Workshop at the University of Anbar, Iraq	GO
5.	AAU Celebrates Arbor Day in Al-Balqa Governorate	GO

15.7. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Hybrid machine learning framework for predictive maintenance and anomaly detection in lithium-ion batteries using enhanced random forest	GO
2.	Geospatial and multi-criteria decision-making approach for optimal site selection of solar/wind desalination plants in Oman	GO
3.	Navigating the future of higher education in Saudi Arabia: implementing AI, machine learning, and big data for sustainable university development	GO
4.	Hierarchical multi step Gray Wolf optimization algorithm for energy systems optimization	GO
5.	Evaluation of three microalgae within an integrated friendly climatic change bioprocess for real two-phase decanter extraction process olive mill wastewater bioremediation	GO



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6.	Enhanced hydrogen production via PANI-Ni catalyzed pyrolysis of Scenedesmus sp. algae biomass from municipal liquid waste	GO
7.	Isolation and Identification of Some Crude Oil-Degrading Bacterial From Soil Contaminated With Crude Oil	GO
8.	Advanced Thermal Optimization of Solar Stills Using Encapsulated Phase Change Materials and Graphene Oxide Nanoparticles for Enhanced Energy Efficiency	GO
9.	Machine learning optimization of environmental factors influencing biomass and nutritional composition in local algal species	GO

15.8. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Jordan GBC	GO
2.	Arab Agriculture Forum	GO
3.	National Agricultural Research Center	GO
4.	The Royal Society For The Conservation of Nature	GO
5.	Ministry of Environment	GO



16 PEACE, JUSTICE AND STRONG INSTITUTIONS





16. Peace, Justice and Strong Institutions

16.1. University Governance Representation (University Governance Representation Selection)

The University is committed to fostering inclusive governance by ensuring structured representation of diverse university community members within the highest administrative body. This policy supports effective and democratic participation in decision-making processes that shape the university's future, establishing clear mechanisms for electing representatives from students, faculty, and staff. To reinforce this commitment, the University enhances awareness programs to encourage participation in representation elections, offers targeted support to encourage women and students to run for positions, and regularly reviews election procedures to ensure transparency and trust in the process.

16.2. Transparency and Anti-Corruption

(University Financial Data Publication, Anti-Corruption and Organized Crime Compliance Review)

The University is committed to upholding the highest standards of transparency and integrity across all academic and administrative activities to prevent corruption and organized crime. This commitment ensures accountability and credibility by regularly publishing financial data and enforcing strict policies that monitor compliance with transparency and anti-corruption standards. Key actions include developing training programs to instill a strong culture of transparency and integrity among employees, establishing secure reporting channels for corruption cases with protections for whistleblowers, and continually enhancing internal controls to ensure adherence to transparency standards.

16.3. Academic Freedom Support

(Academic Freedom Compliance Review)

The University is committed to upholding academic freedom by providing a supportive environment that enables faculty members and students to freely select their research and teaching fields, express their opinions, and share innovative ideas. This policy fosters academic independence and encourages intellectual exploration. Key initiatives include developing mechanisms to receive and address complaints related to restrictions on academic freedom, conducting workshops to raise awareness among faculty and students about their rights and responsibilities under academic freedom, and regularly reviewing university policies to ensure alignment with internationally recognized principles.

16.4. Local Stakeholder Engagement

(Local Stakeholders Identification and Engagement)

The University is committed to fostering effective collaboration with local stakeholders by implementing mechanisms that ensure their identification and meaningful participation in decision-making processes with a community impact. This approach aims to build sustainable partnerships that align with the aspirations of both the University and the local community. Key initiatives include updating and refining engagement mechanisms to enhance stakeholder involvement in University decisions, organizing specialized training programs and workshops to help stakeholders understand their roles in these processes, and establishing a digital platform for continuous communication. This platform keeps local stakeholders informed and connected, reinforcing the University's commitment to active community collaboration and shared growth.



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16.5. Government Collaboration

(Government Expert Consultation, Neutral Platform for Political Dialogue)

The University is dedicated to strengthening collaboration with government entities to advance sustainable development goals through specialized academic consultations, contributions to policy development, and joint research initiatives. This commitment facilitates partnerships that drive impactful progress on sustainability. Key initiatives include enhancing follow-up and evaluation mechanisms to ensure successful outcomes from government partnerships, increasing joint events and platforms for discussing critical development issues, and allocating additional resources to support research and consultation teams. By establishing a neutral platform for political dialogue and expert consultation, the University plays a pivotal role in bridging academic expertise with governmental efforts toward sustainable development.

16.6. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2023/2024
1.	Student Governance Participation	95%	98%	98%
2.	Financial Transparency Compliance	97%	100%	100%
3.	Academic Freedom Policy Compliance	97%	100%	100%
4.	Local Stakeholder Participation	95%	98%	99%
5.	Joint Meetings with Stakeholders	94%	97%	98%
6.	Expert Consultations to Government	91%	94%	96%

16.7. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Al-Ahliyya Amman University Wins Three Awards at Alexandria International Theatre Festival for Its Play “Jaffa and the Blue Door”	GO
2.	Prof. Hamdan at the Arab Conference at “The University of Jordan”: Cybersecurity is a Strategic Necessity for the Educational Process and a Safe Digital Society	GO
3.	AAU Achieves Global Recognition, Ranked in the 101–200 Band in the Times Higher Education Impact Rankings 2025	GO
4.	A joyful festive carnival in Amman Ahliyya on Independence Day	GO
5.	The Saudi Cultural Attaché Football Championship concludes in Amman, Jordan.	GO
6.	Prof. Sari Hamdan Receives Minister of State for Legal Affairs and Emphasizes the Importance of Promoting Legal Awareness	GO

16.8. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Whether Delegation or Assistance: Clarifying the Role of Tribunal Secretaries in ICC Arbitration	GO
2.	Beyond Words: Ensuring Due Process in Multilingual Arbitrations	GO
3.	Unlocking citizen confidence: examining trust and continuance intentions in digital services	GO
4.	A systematic review of nuclear energy and public acceptance—A detailed analysis of evolution, emerging trends, and future research potentials	GO
5.	Promoting Tourism Sustainability in Jordan: Policy Effectiveness and Stakeholders Perspectives	GO



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6.	Public policy and sustainability: How green core competence, government trust, and policy satisfaction influence green R&D investments in the private sector	GO
7.	Legal Challenges of Using AI and Big Data in Public Administration: Administrative Liability, Data Protection, and Public Services Efficiency	GO
8.	Linguistic Proficiency Disclosures in International Arbitration: Enhancing Fairness and Efficiency	GO
9.	The role of e-government in organizational effectiveness: The mediating role of administrative empowerment	GO

16.9. SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	RENEW MENA	GO
2.	Jordan Society for Scientific Research	GO
3.	National Agricultural Research Center	GO
4.	Social Security Corporation (government institution)	GO
5.	National Cyber Security Center	GO
	National Center for Security and Crisis Management	GO



17 PARTNERSHIPS FOR THE GOALS



American Heart Association®



17. Partnerships for the Goals

17.1. Participation in SDG Development strategies

(Participation in SDG Policy and Strategy Development, Reporting on SDG Issues and Challenges)

The University is dedicated to actively participating with key stakeholders in the development of Sustainable Development Goals (SDG) policies and strategies at both national and regional levels. This engagement includes sharing knowledge, offering insights, and contributing expertise to address challenges and opportunities associated with SDG achievement. To enhance these efforts, the University strengthens partnerships with national and international institutions to expand specialized research on SDG implementation. An electronic platform has been developed to publish SDG-related reports and studies produced by the University, ensuring accessible and transparent information sharing. Additionally, regular workshops are provided for faculty, students, the local community, and partners to deepen their understanding of the SDGs and the University's role in supporting these goals, reinforcing its commitment to impactful SDG participation and policy development.

17.2. International Collaboration for SDG Data Collection

(International SDG Data Collection Collaboration)

The University is committed to advancing international collaboration in data collection and analysis related to Sustainable Development Goals (SDGs) by participating in global initiatives and projects that drive progress toward these goals. Leveraging its resources and expertise, the University contributes to the development of evidence-based solutions for sustainable development. Key initiatives include providing specialized training and ongoing support for academic and administrative departments to engage effectively in international data projects, establishing an electronic platform to facilitate data and expertise exchange with global partners, and forming dedicated task forces to contribute to international studies and initiatives in SDG-related data collection and analysis. Through these efforts, the University strengthens its role in global SDG collaboration and impact.

17.3. SDG Progress Reporting and Publication

(SDG Progress Reporting)

The University is committed to enhancing transparency and accountability by preparing and publishing comprehensive reports on its progress toward achieving Sustainable Development Goals (SDGs). These reports document the University's contributions to sustainable development at local, national, and international levels, raising awareness of its impact. Key actions include regularly updating and publishing accessible progress reports on the University's website, expanding distribution to reach external entities and partners, and organizing workshops to educate the university community on the importance of these reports in supporting SDG efforts. Through these initiatives, the University reinforces its commitment to transparent SDG reporting and active engagement with stakeholders.



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17.4. SDG Education and Sustainability Culture Development

(SDG and Sustainability Courses, Community SDG Educational Outreach, University community Sustainability Culture Measurement)

The University is committed to fostering a deep understanding of Sustainable Development Goals (SDGs) and cultivating a culture of sustainability within and beyond the campus community. This commitment includes developing educational and outreach programs that focus on SDGs, increasing knowledge of sustainability concepts, and encouraging sustainable practices among students, faculty, staff, and the local community. Key initiatives involve expanding partnerships with local and international institutions to exchange expertise and develop sustainability-focused academic courses, organizing conferences and workshops that address SDG topics and feature international experts, and utilizing digital technology to enhance environmental awareness through applications and educational platforms. These efforts contribute to a robust culture of sustainability, empowering the University community and surrounding region to actively support and advance SDG goals.

17.5. Strategic Key Performance Indicators (KPIs)

SN	KPI	2022/2023	2023/2024	2023/2024
1.	National/Regional SDG Meetings	95%	98%	
2.	International Data Projects	95%	98%	
3.	Progress Reports Published	97%	100%	
4.	SDG Courses Offered	96%	99%	
5.	Sustainability Outreach Activities	96%	99%	
6.	Sustainability Knowledge Rate	93%	96%	

17.6. Activities and initiatives achieved (2024/2025)

SN	Activities / Initiatives	Link
1.	Eight Researchers from Al-Ahliyya Amman University Ranked Among the World's Top 2% Scientists in Stanford 2025 List	GO
2.	Al-Ahliyya Amman University Signs Cooperation Agreement with the Global Academy for Digital Health and Artificial Intelligence	GO
3.	AAU Champions Shine at the West Asian Karate Championship and Claim Gold	GO
4.	President of Al-Ahliyya Amman University Receives Egyptian Delegation to Explore Academic Cooperation	GO
5.	Al-Ahliyya Amman University and the Arab Global Investors Forum Agree to Enhance Research and Scientific Cooperation	GO
6.	AAU Registers Two International Patents in Artificial Intelligence Applications for Adaptive Learning	GO
7.	President of our university Honors the University Team for Winning Third Place in the FinTech Rally Competition	GO
8.	President of Al-Ahliyya Amman University Honors Dr. Walaa Al-Samadi for Excellence in a Distinguished European Project	GO
9.	Patent Registration of "A Pharmaceutical Compound for Cancer Treatment" by Al-Ahliyya Amman University in Partnership with the Hashemite and Jordanian Universities	GO
10.	AAU Participates in the Career Accelerator Program "Employment" and Signs a Memorandum of Understanding with Injaz	GO



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17.7. SDG Scientific Research (2025)

SN	Article Name	Link
1.	Transforming healthcare sustainability: Circular economy approaches and stakeholder collaboration	GO
2.	From streets to screens: legal implications of internet begging	GO
3.	Geospatial and multi-criteria decision-making approach for optimal site selection of solar/wind desalination plants in Oman	GO
4.	Navigating the future of higher education in Saudi Arabia: implementing AI, machine learning, and big data for sustainable university development	GO
5.	Promoting Tourism Sustainability in Jordan: Policy Effectiveness and Stakeholders Perspectives	GO
6.	Energy efficiency evaluation of construction projects using data envelopment analysis and Tobit regression	GO
7.	Fractional-order mathematical modeling and optimal control strategies for women's empowerment initiatives	GO
8.	Analyzing urban landscapes and land surface temperature for sustainable development in industrial zones	GO
9.	A critical review on alternative fuels for road transportation: Pollution mitigation, environment and economic perspective	GO
10.	Performance and emission analysis of cotton seed biodiesel enhanced with nano-MgO as a sustainable fuel in a compression ignition engine	GO

SDG Partnerships (2024/2025)

SN	Partner Name	Link
1.	Ministry of Health	GO
2.	Royal Health Awareness Society	GO
3.	American Heart Association	GO
4.	International Scientific Conference On Plant Biodiversity & Sustainability	GO
5.	University Schools Group	GO



What's Next?

AAU aims to further its sustainability agenda by focusing on:

AAU is committed to building on its sustainability achievements by taking bold steps toward future goals. Key focus areas include achieving carbon neutrality by 2027 through expanded use of renewable energy and enhanced emission reduction measures. The university also plans to

integrate sustainability more deeply into its curriculum, equipping students with the skills and knowledge to address global challenges. Strengthening global partnerships will remain a priority, enabling AAU to share its expertise, collaborate on groundbreaking research, and adopt best practices from around the world.

In addition, AAU aims to expand its community outreach initiatives to empower underrepresented groups, support local economies, and advance social equity. Efforts will also focus on enhancing transparency and accountability through improved systems for tracking and reporting sustainability progress. By pursuing these ambitious goals, AAU reaffirms its dedication to driving innovation, fostering inclusivity, and leading the way toward a sustainable future for all.

Better together.....

