



UI GREENMETRIC 2026

WORLD UNIVERSITY RANKINGS

AL-BALQA APPLIED UNIVERSITY

Sustainability Today, Better Tomorrow



SUSTAINABLE CAMPUS



GREEN INFRASTRUCTURE



GREEN ENVIRONMENT



SETTING AND
INFRASTRUCTURE



ENERGY AND
CLIMATE CHANGE



WASTE



WATER



TRANSPORTATION



EDUCATION AND
RESEARCH



GOVERNANCE AND
DIGITALIZATION

Development and Quality Assurance Centre

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Al-Balqa Applied University
2025/2026

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Foreword

Al-Balqa Applied University (BAU) is a prominent public university in the Hashemite Kingdom of Jordan, with a student body of over 60,000 and multiple satellite campuses across the country. BAU's vision is to excel as a globally competitive applied university, renowned for creativity, innovation, applied scientific research, and leadership. The university is dedicated to fostering Jordan's knowledge economy and society, delivering high-quality education that equips students to thrive in a rapidly changing world.

Spanning an estimated **11,100,000 m²**, BAU's campuses are home to a wide array of educational, research, medical, sports, and cultural facilities. Additionally, the campuses feature extensive green spaces and recreational areas, creating a vibrant, supportive environment for student development and engagement.



BAU's main campus is located in the ancient city of [As-Salt](#), in Al-Balqa' Governorate, home to a number of important cultural and historical sites, and a [UNESCO world heritage](#) site. Built by Macedonians, [As-Salt](#) occupied an important trading position by Roman, Byzantine, and Mamelukes. Along with its historical value, As-Salt city is located 20 minutes from the lowest point on earth, the [Dead Sea](#) and is very close to the [holy baptism site of Jesus Christ](#) on the East bank of the Jordan River. A sunny day at As-Salt rewards visitors with a breathtaking view of the holy lands.

Alongside BAU's main campus, the university's satellite campuses are hubs for quality education and research and offer students the opportunity to explore Jordan's rich cultural heritage. For example, [Aqaba University College](#) located in Jordan's only port, offers maritime transport technology programs as well as easy access to the golden triangle of [Petra](#), [Wadi Rum](#) and [Aqaba](#). And Shoubak University College, which is located close to the stunning [Dana Biosphere Reserve](#). and [Huson University College](#) in the north, which closest to [Jerash](#) which is the second to Petra on the list of favorite destinations in Jordan



Al-Balqa Governorate is a province of intellectual heritage and folklore, and it is popular for recreational and religious tourism; traveler may visit many ruins and sacred shrines for Prophet Shu'ayb (Maqam Nabi Shu'ayb), Prophet Joshua Ben-nun, Prophet Gad Ben Jacob, Prophet Ayub, Prophet Hazir, and Prophet Gilad (May Peace Be Upon Them), as well as the shrines of two of Prophet Mohammad (Peace Be Upon Him) Companions: Abu Obeida Al-Jarah and Dirar Ibn Azwar.

Such an integral role along with other cities of the Kingdom was deeply rooted during the establishment of the Emirate of Jordan in 1921 moving towards developing the country. Salt City was prominent with its scientific and educational legacy, which was marked by the founding of Salt School, inaugurated by His Majesty King Abdullah the First – may God rest his soul – (Prince at



that time) in 1923, to be the first school in the kingdom having its graduates as great officials and leaders of the nation.

Upon firmly acknowledging the educational and scientific long history of Salt City along with its leading role in the field of education by the Hashemite leadership, Late King Hussein Bin Talal – May God rest his soul – honored Balqa' governorate by the issuance of the royal decree to establish Al Balqa Applied University in Salt city on the 22nd of August 1996. This has enhanced the city's role, commemorated the pioneers of its early graduates, and scientifically empowered its legacy which we hope to continually flourish.

Our Strategic Response

BAU operates through a network of campuses across Jordan, covering diverse climatic regions from the highlands in the mid-west to the arid governorates in the south and far east. This geographical diversity has driven BAU to undertake extensive initiatives in climate variability and adaptation, establishing itself as a leader in climate resilience.

BAU is at the forefront of research and innovation in areas such as water conservation, drought management, capacity building, and technology transfer. Its initiatives span solar energy, wastewater treatment and reuse, and smart agriculture. The university has also introduced specialized academic programs in fields like smart agriculture, water treatment, smart buildings, and electric and hybrid vehicles, alongside conducting numerous climate change awareness activities.

On another hand (BAU) adopts the United [Nations Sustainable Development Goals \(UN SDGs\)](#), and Paris Agreement goals which are adopted by all nations as a



universal call to protect the planet and ensure that all people enjoy peace and prosperity by 2030 through ethical management of resources, openness to societies and contributing to

their development and solving their problems, and creating a conscious generation of its students who adopt the dimensions of sustainable development in their lives, directing scientific research to contribute to achieving sustainable development, and strengthening national and international partnerships, also (BAU) became a member of [United Nations Academic Impact \(UNAI\)](#), and [United Nation - Sustainable Development Solution Network \(UNSDSN\)](#).

INTRODUCTION:

BAU has adopted a sustainability-driven approach rooted in continuous improvement, with a mission to fully integrate the United Nations Sustainable Development Goals (SDGs) into its core strategies, policies, and daily operations. This commitment has inspired transformative initiatives, projects, and programs across all faculties and campuses. Through responsible resource management, innovative teaching, impactful research, and strong national and international partnerships, BAU continues to redefine its institutional identity as a leader in sustainability.

The university has established dedicated structures, including the [Sustainability Office](#), the [International Research Center for Water, Environment, and Energy](#) (IRCWEE), and [the Environmental Monitoring Center](#), to advance sustainability initiatives and address environmental and societal challenges.

Through innovative research, capacity-building programs, environmental monitoring, and awareness campaigns, BAU promotes sustainable practices in areas such as water management, renewable energy, climate action, waste management, and environmental protection. The university also actively collaborates with national and international partners to support sustainable development and knowledge exchange.



BAU's leadership in sustainability has been internationally recognized through its selection as the [United Nations Academic Impact \(UNAI\) SDG 4 Hub Chair for Quality Education](#), reflecting its commitment to inclusive, equitable, and high-quality education as a foundation for sustainable development.

BAU has implemented best practices that have earned international recognition. Remarkably, the university ranked **first nationally and 2nd in the Arab region**, and **42rd globally** in the **2025 UI GreenMetric World University Rankings**.

These accomplishments align with the **17 Sustainable Development Goals**, which serve as a guiding framework for meaningful action toward people and the planet. By embracing these goals, BAU continuously assesses its progress and sets clear priorities for future advancement.

BAU remains steadfast in empowering students as agents of change, community leaders, and responsible global citizens. Faculty and students actively engage in sustainability-oriented education through diverse courses, academic programs, and research projects that advance SDG principles in teaching, learning, and innovation.

In alignment with its [Strategic Plan 2021-2025](#), and [Strategic Plan 2026-2030](#) BAU continues to pioneer innovative approaches through training programs, applied research, and community engagement initiatives—all designed to contribute effectively to the realization of the [UN 2030 Agenda for Sustainable Development](#).

Al-Balqa Applied University offers a diverse range of [academic programs](#) that integrate sustainability concepts across multiple disciplines, equipping students with the knowledge, skills, and competencies necessary to address global and local sustainability challenges. These programs are aligned with the United Nations Sustainable Development Goals (SDGs), ensuring that graduates are prepared to contribute effectively to sustainable development in areas such as clean water and sanitation, climate action, quality education, responsible consumption and production, renewable energy, and health and well-being

1 NO POVERTY



BAU is deeply committed to supporting the local community and contributing to sustainable development. To reinforce this commitment, the university has aligned its strategies, policies, and governance structures with the **United Nations Sustainable Development Goals (SDGs)**, placing special emphasis on **Goal 1: No Poverty**. With its wide geographical presence across Jordan, BAU plays a significant role in advancing poverty alleviation efforts at both local and national levels.



Through its extensive network, BAU provides grants and financial aid to students facing economic challenges that could hinder their education. These resources are facilitated through partnerships with the **Ministry of Higher Education** and the **Student Support Fund**, along with collaborations with various donor institutions. To effectively contribute to the SDGs, BAU has outlined specific sub-goals aligned with the broader aim of sustainable development, particularly targeting Goal 1:

- **Advanced scientific research** focused on combating poverty reduction and sustainable

livelihoods, in addition to scientific publication and research collaboration with institutions in low-income and developing countries.

- **Supporting economically disadvantaged students** to help them complete their education and overcome difficult circumstances.
- **Engaging in community initiatives and** national programs aimed at alleviating poverty and promoting social equity.

SUPPORT & FINANCIAL AID

...

جامعة البلقاء التطبيقية AlBalqa Applied University 25 نوفمبر 2025

جامعة البلقاء التطبيقية تعتمد طلبات المتقدمين لصندوق دعم الطلبة في الجامعة

أقرت لجنة صندوق دعم الطالب في جامعة البلقاء التطبيقية، برئاسة عطوفة الأستاذ الدكتور أحمد فخري العجلوني، طلبات المتقدمين للاستفادة من صندوق دعم الطالب للعام الجامعي الحالي، حيث بلغ عدد الطلبة المتقدمين 505 طالبًا وطالبة من برنامجي البكالوريوس والدبلوم. ويأتي هذا القرار تأكيدًا لالتزام الجامعة بدورها المجتمعي في دعم الطلبة وتوفير بيئة تعليمية عادلة ومحفزة.

وأكدت الجامعة أنه تم اعتماد طلبات الطلبة الذين حققوا الشروط، وبما يضمن وصول الدعم إلى مستحقيه بشفاافية تامة، وذلك بعد استكمال عمادة شؤون الطلبة عمليات التدقيق والفرز بدقة عالية لضمان استيفاء جميع الطلبات للشروط المعتمدة.

وشدد الأستاذ الدكتور العجلوني على أن دعم الطلبة وتمكينهم ماديا يمثلان أولوية محورية في رؤية الجامعة، نظرًا لدورهما في تخفيف الأعباء المالية وتعزيز فرص الطلبة في مواصلة تحصيلهم الأكاديمي بنجاح.

<https://www.bau.edu.jo/BauLivePortal/NewsDetail.aspx...>

BAU has implemented a robust suite of initiatives to support students from low-income backgrounds by leveraging its internal resources and collaborating closely with the Ministry of Higher Education and Scientific Research (MOHE) and local community organizations. Through its dedicated Student Support Fund, BAU offers targeted assistance to students facing financial difficulties. In parallel, via the national Student Support Fund system, it contributes alongside other public universities in delivering grants and loans to students across Jordan — for example, MOHE announced the disbursement of roughly JD 5 million for eligible students in the 2024–2025 academic year, including those at BAU.

Beyond national support, BAU plays an active role in supporting the education of refugee students and those from low-income countries hosted in Jordan. This includes signing a memorandum of understanding (MoU) with United Nations High Commissioner for Refugees

(UNHCR) which establishes the “Higher Education Alliance” in Jordan to expand access to higher education for refugee students, and treating refugee students admitted through the university's parallel programs with tuition parity to Jordanian students.

Additionally, BAU has fostered various international partnerships such as the agreement with the Korea International Cooperation Agency (KOICA) to upgrade its diploma-level programs at Irbid and Karak—which enhance its capacity to provide better educational opportunities and infrastructure to students from diverse backgrounds.

Through these combined efforts direct financial aid programs, national grant systems, inclusive policies for refugees, and international partnerships BAU is strengthening its commitment to equity, access and social inclusion for all students, especially those from economically disadvantaged or under-represented backgrounds.

AFFORDABLE EDUCATION RESOURCES

The university has implemented targeted support programs to assist female students and other students facing financial challenges. The university has reduced tuition fees for its master’s programs and waived fees for English language course materials, significantly easing the financial burden for students pursuing advanced studies. In a notable step toward equity, BAU has also standardized tuition fees for international students enrolled in parallel programs, aligning them with the rates for Jordanian students. These measures promote fairness, inclusiveness, and broader access to higher education for all members of the university community.



LOCAL COMMUNITY – NO POVERTY AT BAU

BAU plays a significant role in supporting local communities and addressing socio-economic challenges in alignment with SDG 1: No Poverty. Through its Local Community Development Unit, academic faculties, student initiatives, and international partnerships, the university implements a wide range of programs that contribute to poverty alleviation, social inclusion, and sustainable livelihoods.

BAU empowers local communities by providing specialized training, capacity-building programs, and entrepreneurial support that equip individuals with essential skills in business management, marketing, innovation, and digital technologies. International projects such as INTERNISA and My Community have been particularly impactful in enhancing employability, entrepreneurship, and social innovation among youth, women, and marginalized groups. These initiatives provide practical training, internships, digital skills development, and mentoring opportunities, helping participants improve their economic prospects and access sustainable employment.

The university also supports vulnerable populations through numerous community service activities. These include charitable initiatives for orphaned children and low-income families, distribution of food parcels, clothing donations, Ramadan iftar campaigns, educational support programs, and recreational activities that promote social inclusion and well-being. In partnership with local charities, community organizations, and governmental institutions, BAU continuously works to address the immediate needs of disadvantaged groups while fostering long-term community resilience.

Furthermore, BAU contributes to poverty reduction through free medical services, community health campaigns, blood donation drives, health awareness programs, and developmental initiatives targeting children and families. These efforts reduce healthcare burdens on vulnerable communities and improve quality of life. The university also organizes festivals, bazaars, and community events that provide local producers and small entrepreneurs with opportunities to showcase and market their products, thereby enhancing income-generating opportunities and supporting local economic development.



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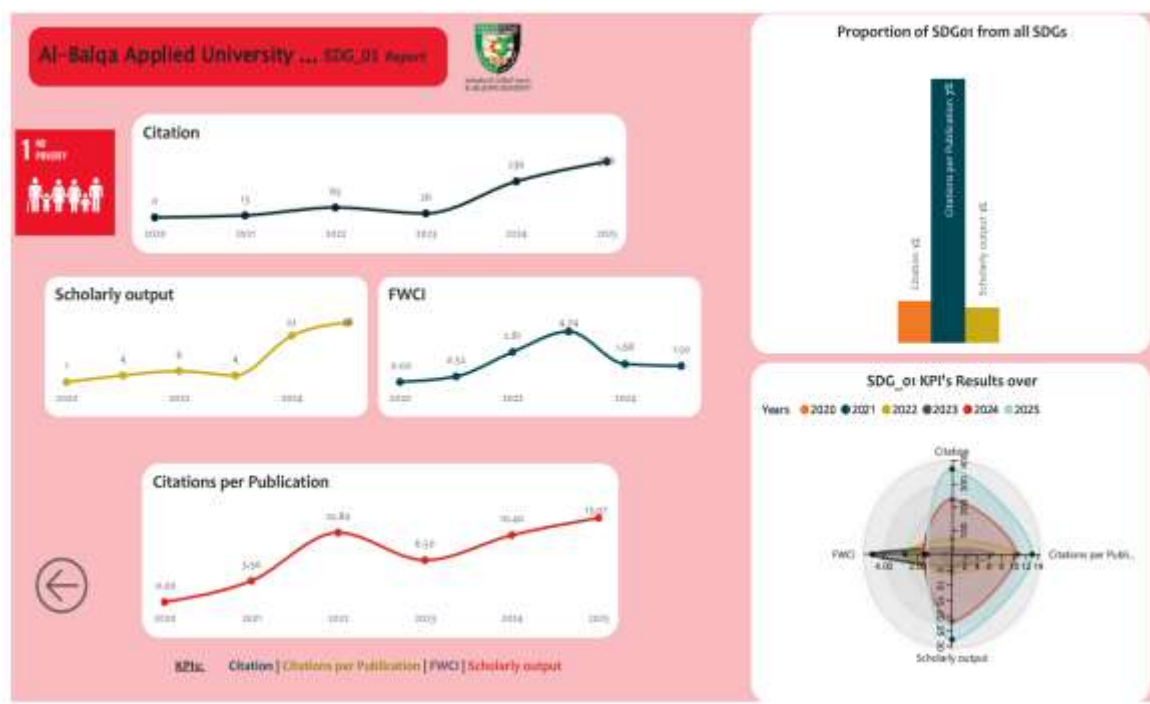
Provided with the financial
support of the European Union
قائم بدعم مالي من الاتحاد الأوروبي

مشروع مجتمعي

مشاريع ادماج الشباب في عملية التنمية في الاردن



SCIENTIFIC RESEARCH SOLUTIONS



SDG01 BAU No Poverty Publications (2021-2025)



Al-Balqa Applied University (BAU) is committed to advancing sustainable natural resource management through innovative research, education, and practical initiatives that strengthen food security and promote the sustainable use of agricultural resources. Recognizing the critical role of food conservation in ensuring resilient and sustainable food systems for future generations, the university conducts diverse research projects and develops science-based solutions that support national agricultural development and economic growth.

Through its distinguished academic programs and applied research, BAU equips highly skilled agricultural engineers with the knowledge and competencies needed to address emerging agricultural and environmental challenges while meeting the evolving demands of local and regional labor markets.

To enhance sustainable food production, BAU has expanded cultivation activities at the Princess Tasnim Station and Shobak College, adopting best agricultural practices and rigorous quality standards to safeguard human and animal health, strengthen agricultural value chains, and improve food quality and safety. These initiatives demonstrate the university's commitment to promoting sustainable agriculture, protecting natural resources, and contributing to long-term food security.

To achieve these objectives, BAU has established the following key goals:

- Enhancing university-led scientific research to address hunger.
- Expanding university initiatives to combat food insecurity.
- Making significant contributions to national food security efforts.

PRACTICES

Al-Balqa Applied University (BAU) actively advances SDG 2: Zero Hunger through an integrated approach that combines sustainable agriculture, food security, biodiversity conservation, research, and community engagement.

The university operates productive agricultural research stations, most notably the Princess Tasnim Bint Ghazi Agricultural Research Station, which conserves plant genetic resources, cultivates diverse fruit trees, vegetables, medicinal plants, and drought-tolerant crops, while supporting sustainable agricultural research and local food production. The station supplies fresh agricultural products to surrounding communities at affordable prices, improving access to nutritious food and strengthening local food security.

To promote healthy and affordable nutrition on campus, BAU manages a network of cafeterias and kiosks with regulated prices and inaugurated a central campus restaurant in 2024 that provides balanced, healthy, and low-cost meals for students and staff.

BAU further strengthens sustainable food systems through its Smart Agriculture Unit and the Smart Desert Project, where students, farmers, and community members receive practical training in climate-smart agriculture, hydroponics, precision farming, home gardening, and water-efficient agricultural technologies. Supported by advanced climate monitoring systems and smart sensors, these initiatives enhance agricultural productivity, improve resource efficiency, conserve biodiversity, and increase resilience to climate change.

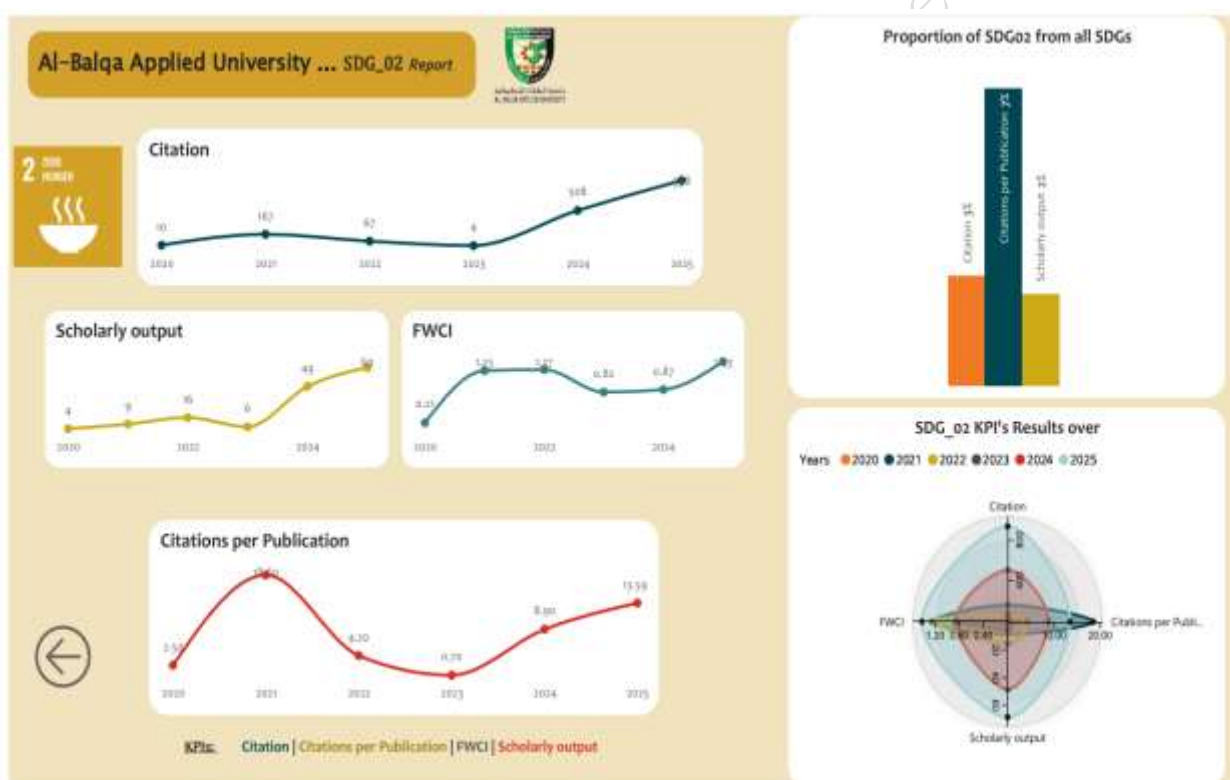
The university's commitment extends beyond food production to the conservation of biodiversity and agricultural genetic resources through sustainable land management, ecosystem restoration, protection of native plant species, and applied research that supports future food security and climate resilience. These efforts are reinforced through partnerships with governmental agencies, producer associations, and international organizations to promote sustainable agricultural innovation and community development.



Through this comprehensive model, BAU contributes to improving food security, supporting sustainable livelihoods, protecting natural resources, and advancing resilient agricultural systems that benefit both the university community and society at large. In recognition of these achievements, BAU was shortlisted for the Times Higher Education Arab University Awards for Outstanding Contribution to Environmental Leadership, reflecting its regional leadership in sustainability and food security.

SCIENTIFIC RESEARCH SOLUTIONS

In addition to the Princess Tasnim Agricultural Research Station, which plays a vital role in implementing both local and international projects and transferring global knowledge, best practices, and research in food and agricultural security, the university also oversees extensive protected natural areas. These areas serve as living laboratories for conservation and sustainability, preserving valuable plant and animal genetic resources. They encompass diverse ecosystems that host medicinal plants, wild species, and important bird habitats. All sites are carefully monitored and managed to prevent hunting, disturbances, and other forms of human intervention, ensuring the long-term protection and ecological balance of these natural environments



BAU's Publications SDG02: Zero Hunger 2021 to 2025

3 GOOD HEALTH AND WELL-BEING



Al-Balqa Applied University (BAU) remains deeply committed to advancing the Sustainable Development Goal of Good Health and Well-Being (SDG 3). To enhance public health services and reach underserved communities, BAU has entered strategic collaborations with leading health institutions, including the Ministry of Health and the Electronic Health Solutions (EHS) to strengthen health informatics education and training

BAU has clearly defined several sub-goals to drive its work in health and well-being:

- **Promoting Physical Well-being through health infrastructure**
- **Supporting scientific research** in areas related to health and well-being.
- **Conducting health-focused educational outreach programs** for local communities.
- **Implementing health outreach services and initiatives** dedicated to improving community health and well-being.

HEALTH INFRASTRUCTURE

Al-Balqa Applied University (BAU) is dedicated to promoting the well-being of its students, academic staff, and administrative personnel. Each campus hosts health centers staffed with trained medical professionals who provide first aid, primary healthcare, specialized referrals, and wellness education. These facilities operate throughout the academic week, ensuring access to both routine and emergency care.

The university Health Insurance Unit complements these services by providing high-quality, equitable healthcare with transparency and fairness, aligned with BAU's strategic goals. It serves both the university community and the wider society through initiatives such as free medical days, blood donation campaigns, and visits to orphanages and senior care centers.

BAU health units collaborate with the Ministry of Health and local hospitals to ensure secure, reliable, and effective healthcare for all members of the university community. The unit continually updates its services, invests in human resources, and offers student training

programs to prepare future professionals with practical skills. Together, these efforts foster a safe, supportive, and sustainable environment that enhances wellness, satisfaction, and institutional excellence.



HEALTH OUTREACH PROGRAMMES

BAU is actively working to achieve the 3rd Sustainable Development Goal (Good Health and Well-being) by delivering health outreach programs and projects that enhance community health and well-being.

The university has developed tailored volunteer programs designed to promote essential health services and well-being initiatives within the local community. These programs

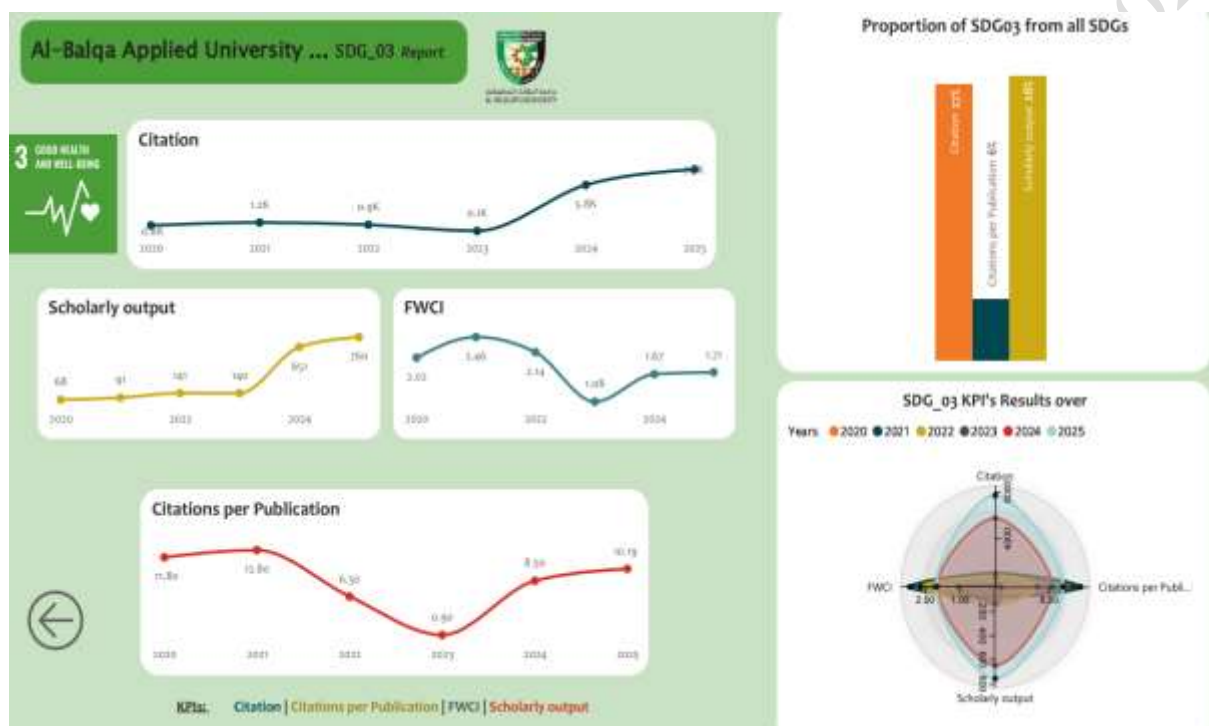
specifically target marginalized groups, including orphans, the elderly, remote communities, and displaced individuals. They encompass a wide range of activities, such as free medical events, blood donation drives, hygiene campaigns, sports activities, and awareness programs focused on critical topics like nutrition, family health, and healthcare. BAU's focus on addressing relevant health issues ensures that its initiatives have a direct and meaningful impact on the community, regardless of residency or refugee status.

Furthermore, BAU takes great pride in its commitment to community engagement through shared sports facilities. These facilities serve as a bridge between the university and the local community, fostering unity and providing vital resources for physical activity and recreation. By leveraging these spaces, BAU has positively influenced the community, offering opportunities for fitness activities, sports events, and social gatherings.



SCIENTIFIC RESEARCH SOLUTIONS

BAU is committed to achieving UN-SDG 3 (Good Health and Well-being), as demonstrated through various initiatives, including the significant contribution of its faculty staff members. These experts produce high-quality research addressing critical health issues, furthering the university's dedication to advancing public health and well-being both locally and globally.



[Publications at Al-Balqa Applied University within SDG 3: Good Health and Well-being 2021to 2025](#)

4 QUALITY EDUCATION



Al-Balqa Applied University (BAU) is committed to a culture of continuous improvement, embedding the United Nations Sustainable Development Goals (SDGs) across its strategic plans, governance, academic programs, research, and community engagement activities. Through innovative initiatives, partnerships, and outreach programs, the university strengthens its societal impact while promoting sustainability awareness and equipping future generations with the knowledge and skills needed to drive sustainable development.



In recognition of its outstanding leadership in advancing inclusive, equitable, and quality education, BAU was appointed by the United Nations Academic Impact (UNAI) as the SDG 4 Hub Chair (2025–2027). This prestigious international designation reflects the university's commitment to ensuring equitable access to high-quality education and lifelong learning opportunities for all. BAU delivers flexible learning pathways through online education, open educational resources, professional development programs, and internationally aligned curricula, enabling diverse learners including working adults, women, persons with disabilities, and residents of remote communities to access accredited, high-quality education and enhance their career opportunities.

In alignment with this mission, BAU has outlined several sub-goals to advance SDG 4:

- Supporting scientific research focuses on enhancing the quality of education.
- Providing educational resources and training opportunities to non-university learners.
- Expanding vocational and technical training programs that build employability and innovation skills.
- Engaging in outreach and community initiatives aimed at advancing education and lifelong learning.

Through these efforts, BAU aims to increase access to quality education, empower a diverse range of learners, and create an inclusive learning environment that breaks down traditional barriers, in line with the core principles of the SDGs.

SDGs IN ACADEMIC PROGRAMS

As one of Jordan's largest public universities, BAU offers a comprehensive portfolio of associate diploma, bachelor's, and master's programs across a wide range of disciplines. Through its main campus in Salt and a network of 15 campuses distributed across the Kingdom, the university expands equitable access to higher education while supporting regional development and preparing graduates with the practical knowledge, technical competencies, and innovation skills needed to address national priorities and global sustainability challenges.

The university continuously reviews and develops its academic programs to ensure alignment with labor market requirements, emerging global challenges, and sustainability priorities. As part of this commitment, BAU has introduced innovative programs that directly contribute to sustainable development, including renewable energy technologies, smart organic agricultural

 Al-Balqa' Applied University		جامعة البلقاء التطبيقية
الخطة الدراسية لتخصص "تكنولوجيا الزراعة العضوية الذكية" برنامج البكالوريوس التقني		
تم اعتماد هذه الخطة الدراسية بموجب قرار مجلس إتحاد جامعة البلقاء التطبيقية رقم 2022/8/24 (الجلسة 26) وتطبق اعتباراً من مطلع العام الجامعي 2023/2022		
تتكون الخطة الدراسية لبل مبرجة البكالوريوس التقني في تخصص تكنولوجيا الزراعة العضوية الذكية من (132) ساعة معتمدة، موزعة على النحو الآتي:		
الرقم	التكوين	ساعة معتمدة
1.	معارف اختيارية	20
2.	العلوم الزراعية الأساسية	20
3.	أساسيات الزراعة العضوية	12
4.	المهارات الفنية المتخصصة	26
5.	التكنولوجيا المتقدمة المتخصصة	39
6.	التدريب الميداني وممارسة المهنة/ الخبرة العملية	9
7.	المشروع التكاملي	6
المجموع		132

technologies, hybrid and electric vehicle maintenance, smart building systems, water and environmental management, and other future-oriented fields. These programs equip graduates with the knowledge, skills, and competencies required to contribute effectively to sustainable economic growth and environmental protection.

Sustainability concepts are embedded across academic disciplines, particularly in areas related to agriculture, natural resource management, water security, energy efficiency, climate change, and environmental protection. The university also promotes interdisciplinary learning approaches that connect academic knowledge with real-world sustainability challenges. Through curriculum development, experiential learning, research integration, and practical training, BAU prepares graduates to become responsible professionals capable of developing sustainable solutions.



تكنولوجيا الطاقة المتجددة

ACCESS TO GENERAL LECTURES AND EVENTS FOR PUBLIC

A strong commitment to inclusive and equitable education drives efforts to empower learners by developing their competencies, skills, and knowledge in line with international standards. Emphasis is placed on accessibility and lifelong learning, offering flexible educational pathways and a supportive environment that ensures learning opportunities for all.

BAU provides a wide range of educational and training programs supported by publicly accessible resources, including educational channels, libraries, electronic databases, and tutorial materials. Special attention is given to inclusivity, with resources designed to accommodate students with visual impairments and other learning needs.

Beyond its academic community, BAU extends its educational mission through certified training programs and opens learning resources available to alumni, residents, and refugees. These initiatives include free certification courses, empowering individuals to enhance their skills and employability.

By making its facilities, laboratories, and online platforms accessible to the public, BAU reinforces its dedication to lifelong learning, community engagement, and sustainable human development, ensuring that education remains a tool for empowerment and social progress.

BAU is enhancing its community engagement by hosting a wide range of educational events accessible to the public. In collaboration with local communities, BAU organizes an array of events, including conferences, seminars, lectures, training programs, awareness sessions, and other activities. These events are supported by various university departments, including the faculties, Deanship of Student Affairs, Local Community Development Unit, and specialized scientific centers. Recent highlights include the 1st International Conference "Crisis Management in a Complex, Dynamic Environment", and numerous scientific conferences and themed events that cater to diverse segments of society.

With campuses spread across the Kingdom, BAU offers numerous free educational activities that enhance community learning experiences. These public events are provided both on an ad hoc and programmed basis, embodying BAU's commitment to accessible education and lifelong learning for all.

العجلوني يرعى انطلاق مؤتمر الأبحاث الطبية الثاني في البلقاء التطبيقية

(2559 مشاهدات) (0 تعليقات)



The 2nd Medical Research Conference



The 3rd Annual Conference for English language Teachers in Jordan.

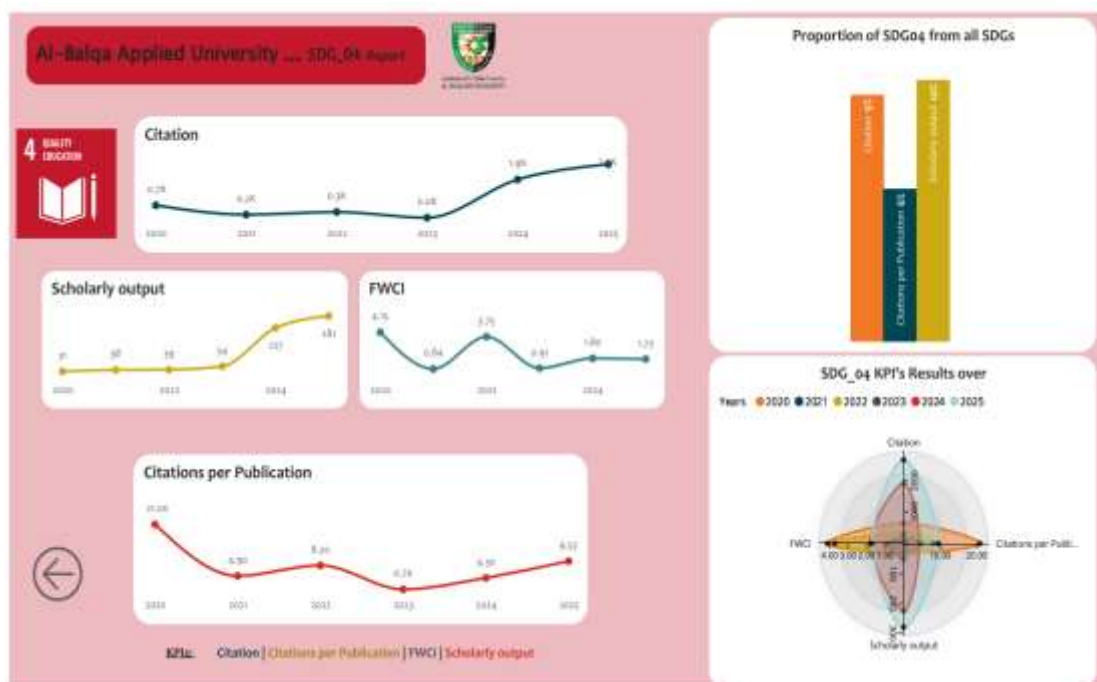


مصادر تعليمية

 • الوحدة الأولى • الوحدة الثانية • الوحدة الثالثة • الوحدة الرابعة • الوحدة الخامسة • الوحدة السادسة	 • الوحدة الأولى • الوحدة الثانية • الوحدة الثالثة • الوحدة الرابعة	 • الوحدة الأولى • الوحدة الثانية • الوحدة الثالثة • الوحدة الرابعة • الوحدة الخامسة	 • الوحدة الأولى • الوحدة الثانية • الوحدة الثالثة • الوحدة الرابعة • الوحدة الخامسة • الوحدة السادسة
			

Free open educational resources for disabled people

SCIENTIFIC RESEARCH



[Publications at Al-Balqa Applied University within SDG 4: Good Health and Well-being 2021 to 2025](#)

5 GENDER EQUALITY



Al-Balqa Applied University (BAU) recognizes that achieving gender equality is not only a fundamental human right but also an essential foundation for building an inclusive, sustainable, and prosperous future. Empowering women and girls contribute significantly to economic growth, innovation, social development, and the creation of resilient communities. While considerable progress has been achieved globally in enhancing women's participation in education and the workforce, gender disparities continue to exist in areas such as equal opportunities, leadership representation, career advancement, and access to resources.

In response to these challenges, BAU has adopted a comprehensive approach to promoting gender equality and women's empowerment across all aspects of university life, while contributing to broader societal transformation in Jordan. The university integrates gender

equality principles into its policies, academic programs, institutional practices, and community engagement initiatives. Key areas of action include:

- **Institutional Policies and Equal Opportunities**
- **Accessibility and Inclusive Environment**
- **Women's Representation and Leadership Development**
- **Strategic Partnerships and Community Engagement**

BAU remains firmly committed to empowering women by fostering their capabilities, protecting their rights, and ensuring equitable access to opportunities and resources. The university actively promotes women's participation in decision-making processes and works to improve their academic, professional, and social well-being through targeted initiatives, including training programs, counselling services, career development activities, and scholarship opportunities at prestigious international institutions.

The university guarantees equal opportunities in recruitment, employment, appointments, and promotions, while supporting women's representation in university councils, committees, and leadership positions. Through these efforts, BAU contributes to strengthening women's role in shaping economic and social development and advancing inclusive growth.

BAU maintains a strict non-discrimination policy against women in all its forms, in alignment with the Constitution and legal framework of the Hashemite Kingdom of Jordan, which prohibit gender-based discrimination. The university continuously reviews and updates its policies and regulations to ensure compliance with national legislation and international principles of equality and human rights.

Furthermore, BAU has implemented specialized leadership and professional development programs aimed at increasing women's representation in decision-making positions and expanding their participation in fields where they remain underrepresented. These initiatives include mentorship opportunities, professional training, and lifelong learning pathways that equip women with the skills and confidence needed to achieve career success.

As part of its commitment to removing gender-based barriers, BAU has also revised its scholarship policies to ensure equal treatment of female and male scholarship recipients. Female scholarship students receive the same rights and benefits as their male counterparts, including provisions related to accompanying spouses during scholarship periods. This approach

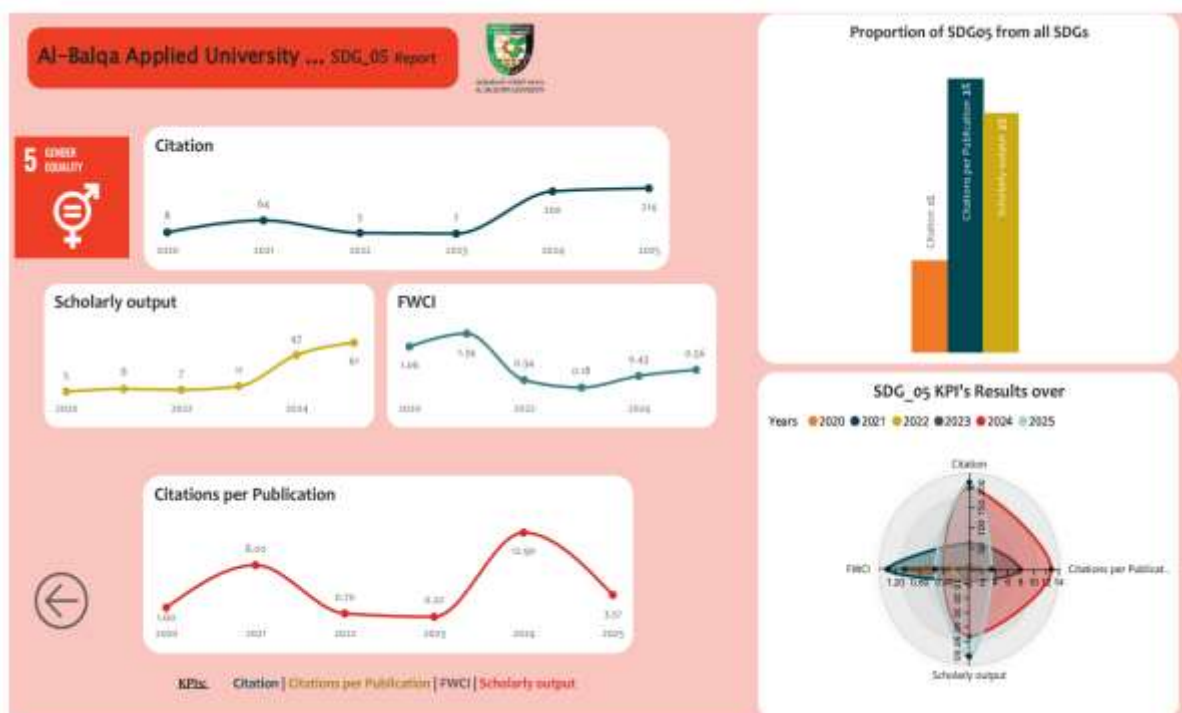
reflects BAU's dedication to creating an inclusive academic environment that supports women's educational and professional advancement.

Through these comprehensive efforts, BAU continues to advance UN Sustainable Development Goal 5 (Gender Equality) by promoting equal opportunities, empowering women, strengthening institutional inclusion, and contributing to sustainable development at the national and global levels.



Deanship/Faculty of Medicine (7 Female out of 13)

SCIENTIFIC RESEARCH



Publications at Al-Balqa Applied University within SDG 5: Gender Equality

6 CLEAN WATER AND SANITATION



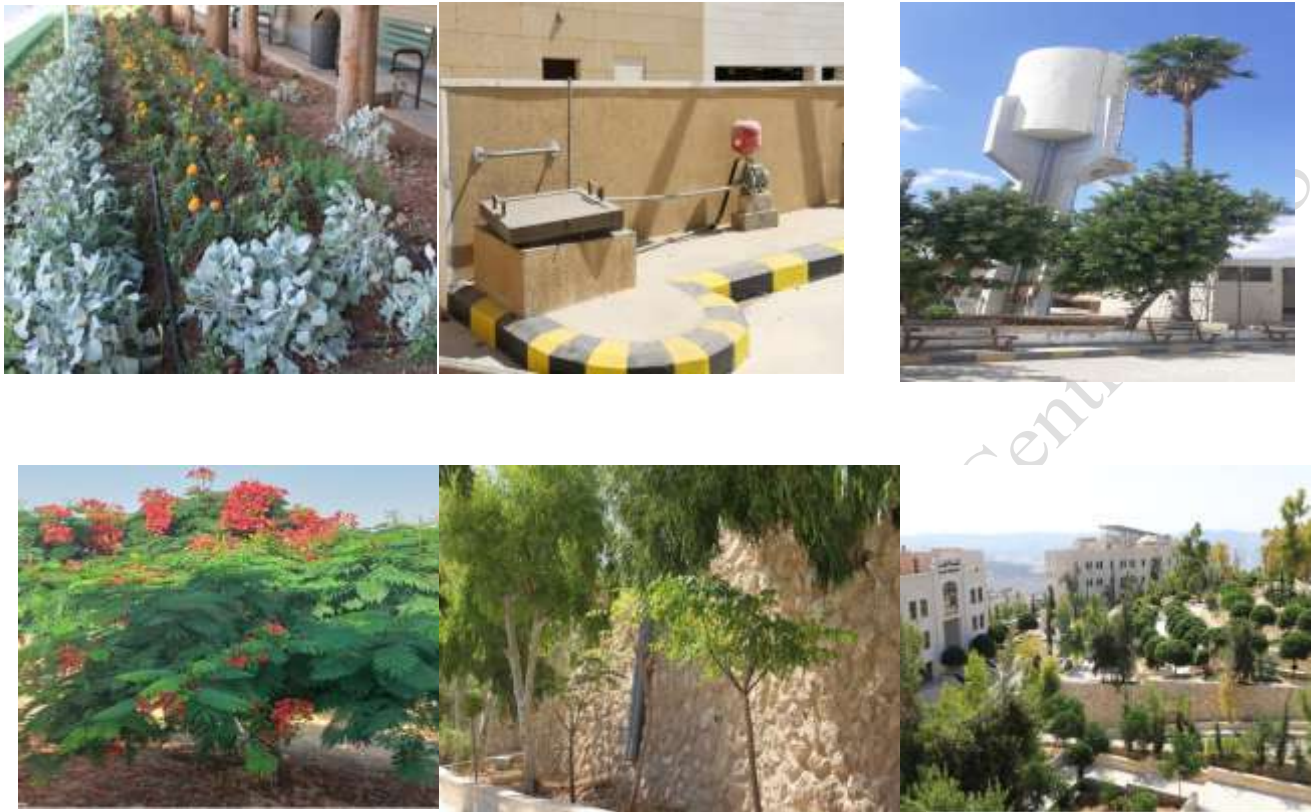
Water is essential for life, supporting ecosystems, human health, and economic development. Global demand for water is rising due to population growth, urbanization, and increasing needs from agriculture, industry, and energy. This demand has outpaced population growth, leaving one in ten people living under high or critical water stress, with some regions exceeding 75 per cent stress. Climate change further intensifies water scarcity, and at the current pace, sustainable water management worldwide may not be achieved until 2049. Access to safely managed drinking water has improved from 68 per cent in 2015 to 74 per cent in 2024, but achieving universal water, sanitation, and hygiene (WASH) services in schools by 2030 requires doubling current progress, BAU a comprehensive framework has been



developed to ensure sustainable water management and sanitation both on campus and across Jordan. Key initiatives include:

- **Advancing Scientific Research**
- **Maximizing Treated Water Usage**
- **Strengthening Water Conservation**
- **Expanding Water Education**
- **Empowering Communities**

WATER CONSERVATION PROGRAM IMPLEMENTATION.



WATER IN THE COMMUNITY

Beyond managing water resources within its campuses, BAU extends its water sustainability efforts to support surrounding communities through applied research, technical assistance, capacity building, and knowledge transfer. The university plays an active role in addressing national water challenges by developing and demonstrating innovative solutions for wastewater treatment, water reuse, and sustainable water management through the International Research Centre for Water, Environment, and Energy (IRCWEE) and its associated demonstration facilities.

BAU supports local communities, governmental institutions, and water sector stakeholders through decentralized wastewater treatment projects, including the Al-Balqa Station for Excellence in Water and Environmental Engineering and Technology (Fuheis), the Jerash Recycled Water Treatment Station, and other treatment facilities that demonstrate practical solutions for water reuse. These systems enable the safe reuse of treated wastewater for irrigation and agricultural purposes, contributing to water security and reducing pressure on freshwater resources.

The university also provides technical expertise, training programs, workshops, and awareness campaigns targeting students, professionals, farmers, government entities, and community members to enhance understanding of sustainable water practices. Through partnerships with national and international organizations, BAU promotes collaborative approaches to water governance, climate adaptation, and environmental protection.

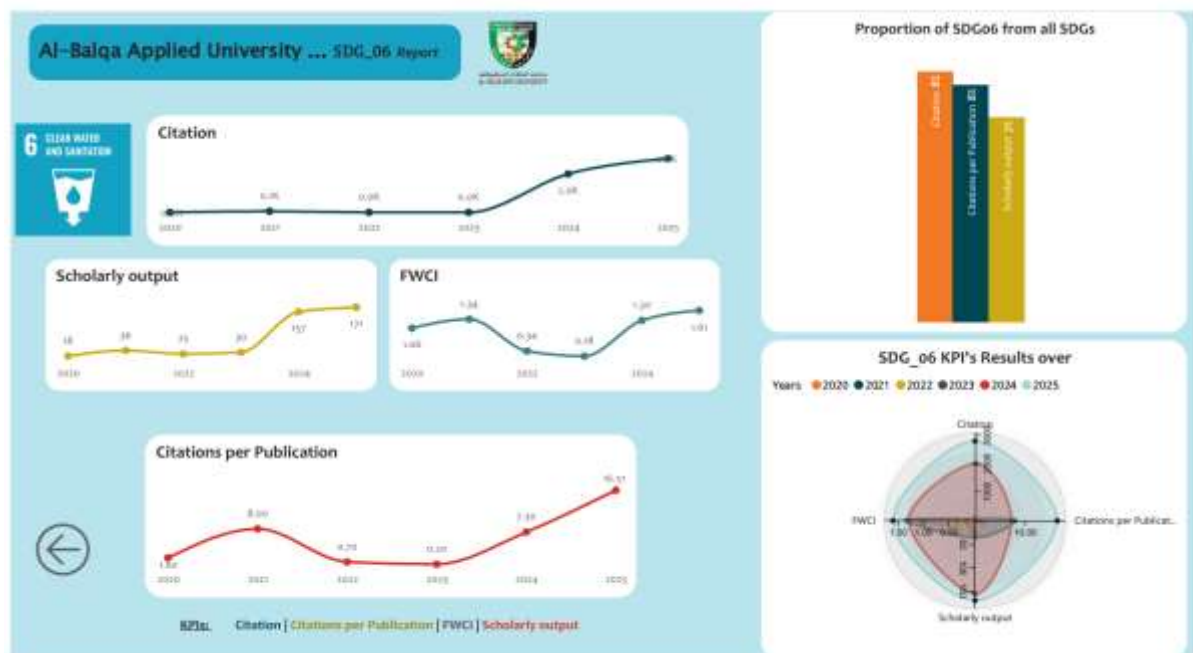
RESEARCH AND INTERNATIONAL COLLABORATION

Water security has emerged as a critical national priority, and its centrality within state universities has become increasingly pronounced. However, the extent of contributions toward water security varies among universities. Al-Balqa Applied University has shown a steadfast commitment to ensuring water security, taking significant strides to achieve this goal. An exemplary instance is BAU's collaboration with UNESCO in 2009 to establish [International Research Center for Water, Environment and Energy](#) (IRCWEE) within the university. Since its inception, this partnership has fostered increased cooperation both nationally and internationally.

BAU has actively engaged in numerous water-related projects, funded at national and international levels, aimed directly or indirectly at bolstering water security. These projects span from minor contributions to policy development to substantial interventions on the ground. Presently, BAU boasts a multitude of international partnerships and has successfully executed over 14 completed and ongoing water-related projects. This momentum positions the university as a hub for water scientists in Jordan and the wider Middle East region.



IRCWEE's Partners



[Publications at Al-Balqa Applied University within SDG 7: Clean Water and Sanitation 2021 to 2025](#)

7 AFFORDABLE AND CLEAN ENERGY



Al-Balqa Applied University demonstrates a strong and comprehensive commitment to advancing Sustainable Development Goal 7 (Affordable and Clean Energy) by promoting the transition toward reliable, sustainable, and modern energy solutions across its campuses. Recognizing that clean energy access is a fundamental driver of environmental sustainability, economic development, and climate resilience, BAU has integrated renewable energy, energy efficiency, and smart energy management into its institutional strategies, infrastructure development, research activities, and academic programs.



Through large-scale renewable energy projects, innovative research initiatives, and energy-efficient infrastructure, BAU has established itself as a leading institution in Jordan's higher education sector in the field of clean energy transformation. The university has significantly increased its reliance on renewable energy, with more than 90% of its electricity consumption generated from renewable sources, primarily solar photovoltaic systems, representing a major milestone toward achieving energy independence and reducing dependence on conventional energy sources.

BAU's renewable energy strategy is supported by the implementation of advanced photovoltaic systems across its campuses, energy-efficient building designs, smart monitoring systems, and sustainable infrastructure solutions. These initiatives contribute to reducing greenhouse gas emissions, improving energy efficiency, lowering operational costs, and strengthening the university's resilience to future energy challenges.

Beyond physical infrastructure, BAU emphasizes the role of education, research, and innovation in accelerating the clean energy transition. The university offers academic programs, specialized courses, professional training, workshops, and research opportunities focused on renewable energy technologies, energy management, sustainability, and climate solutions. Through these activities, BAU equips students, researchers, professionals, and community members with the knowledge and skills needed to support Jordan's transition toward a low-carbon economy.

In alignment with the Jordanian National Energy Strategy and the United Nations Sustainable Development Goals, BAU continues to advance innovation in renewable energy generation, energy-efficient technologies, green building practices, and smart energy management. These efforts support national climate objectives while demonstrating the role of universities as catalysts for sustainable development.

To ensure accessible, reliable, and sustainable energy within the university and across Jordan, BAU has set clear objectives:

- **Advancing Research:** Supporting and fostering scientific research in competitive low-carbon energy solutions.
- **Expanding Clean Energy Use:** Increasing reliance on renewable and clean energy sources.
- **Promoting Education:** Developing and expanding educational programs centered on green energy.
- **Reducing Carbon Emissions:** Leading initiatives that significantly curtail carbon footprints and promote sustainability.

INCREASING DEPENDENCE ON CLEAN ENERGY

BAU has adopted solar energy as a key component of its sustainability and energy transition

strategy, supporting the achievement of Sustainable Development Goal 7 (Affordable and Clean Energy) and SDG 13 (Climate Action). Recognizing the importance of renewable energy in reducing greenhouse gas emissions, enhancing energy security, and lowering operational costs, BAU has invested in large-scale photovoltaic (PV) systems and innovative solar technologies across its campuses.



Photovoltaic Solution Package

<https://www.onyx-solar.com/al-balqa-university>

A major milestone in BAU's renewable energy transformation is the establishment of a 7 MW solar photovoltaic park, which has been integrated into the national electricity grid. This project significantly contributes to meeting the university's electricity demand through clean energy while reducing reliance on conventional energy sources. Through its installed photovoltaic systems, BAU campuses generate approximately 14,745,239 kWh of electricity annually, resulting in considerable reductions in carbon emissions and supporting the university's progress toward a sustainable and low-carbon energy model.

In addition to the large-scale solar park, BAU has implemented innovative photovoltaic applications that combine renewable energy generation with sustainable building design.

Through collaboration with Onyx Solar, a leading company in transparent photovoltaic technologies, BAU introduced the Photovoltaic Solution Package, which integrates solar power generation into building elements. This initiative includes the installation of photovoltaic glass systems at the Faculty of Science and the Administrative



Building, demonstrating the potential of transforming conventional architectural components into clean energy-generating solutions.

BAU is at the forefront of energy conservation and efficiency, adopting advanced Smart Building technologies and implementing a comprehensive range of energy-saving strategies. These initiatives reflect the university's commitment to sustainable development and environmental stewardship.

Key measures include the installation of an innovative solar tracking system to maximize solar energy capture, the use of metal cladding systems and energy-efficient stone in construction for better thermal insulation, and the replacement of traditional light bulbs with energy-saving LED lamps. BAU has also integrated cutting-edge transparent solar panels, which simultaneously generate power and allow natural light to pass through, and utilizes solar water heaters to meet diverse hot water needs.

Additionally, the university employs high-efficiency air-conditioning units equipped with inverter technology and eco-friendly refrigerants, significantly reducing energy consumption while maintaining comfort. These forward-thinking strategies position BAU as a leader in sustainable campus management, driving progress toward a greener future..

CEINTIFC RESEARCH



[Publications at Al-Balqa Applied University within SDG7: Affordable and Clean Energy 2021 to 2025](#)

8 DECENT WORK AND ECONOMIC GROWTH



The Sustainable Development Goals (SDGs) aim to promote continuous economic growth, enhance productivity, and stimulate technological innovation. Central to these objectives is the advancement of entrepreneurship, job creation, and fair labor practices, coupled with strong efforts to eliminate forced labor, slavery, and human trafficking. The overarching ambition is to achieve inclusive and sustainable economic growth that guarantees decent and productive employment for all by 2030.

In alignment with these principles, SDG 8 emphasizes “sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all.” Al-Balqa Applied University (BAU) actively supports this goal through initiatives that foster innovation,

empower youth, and strengthen the link between education, entrepreneurship, and the labor market.

In alignment with this commitment, BAU has set forth several key objectives to ensure equitable work opportunities and foster long-term economic growth both within the university and across Jordan:

- **Advancing scientific research** promotes decent work and drives economic growth.
- **Implementing exemplary employment practices** that prioritize fairness, equity, and inclusivity in the workplace.
- **Upholding a steadfast commitment** to eradicating forced labor, modern slavery, human trafficking, and child labor.
- **Providing a secure, innovative, and dynamic work environment** that supports continuous growth and development.

BAU also plays a pivotal role in shaping the business landscape and creating job opportunities in Jordan. By focusing on the commercialization of research outputs, BAU is directly contributing to the country's economic modernization agenda. This vision, under the banner of "A Better Future," aims to accelerate growth, unlock Jordan's full economic potential, improve the quality of life for all citizens, and promote sustainability. Through these efforts, BAU is helping to drive a prosperous and sustainable future for Jordan.

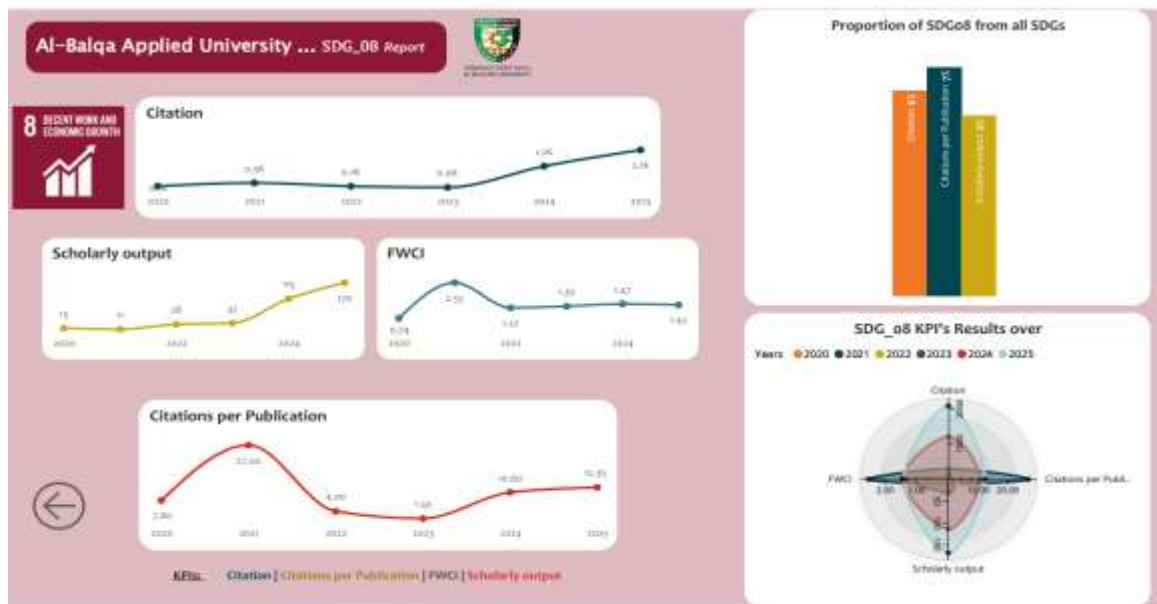
EMPLOYMENT PRACTICES

BAU employs a diverse workforce comprising both academic and non-academic staff, all united in their commitment to advancing the university's mission of delivering high-quality education, research, and support services. To foster a dynamic and competitive work environment, BAU prioritizes the recruitment and retention of highly qualified professionals who bring expertise and innovation to their respective fields. BAU ensures that all employees have access to opportunities for professional growth and development while safeguarding their rights and well-being.

In alignment with the human rights principles and labor provisions enshrined in the Jordanian

Constitution, BAU fully complies with national employment regulations, including the enforcement of a minimum wage policy. Furthermore, the university implements a structured salary scale that classifies remuneration based on managerial levels and job grades. This transparent framework not only promotes fairness and accountability but also reinforces BAU's commitment to protecting the rights and interests of its entire workforce.

SCIENTIFIC RESEARCH



[Publications at Al-Balqa Applied University within SDG8: Economic growth and Decent Work 2021 to 2025](#)

9 INDUSTRIES, INNOVATION AND INFRASTRUCTURE



At Al-Balqa Applied University (BAU), intellectual capital is recognized as a fundamental driver of national development, knowledge creation, and sustainable progress. The university considers innovation, creativity, and entrepreneurship essential pillars for transforming knowledge into practical solutions that serve society, support economic growth, and contribute to sustainable development. In alignment with Jordan's Economic Modernization Vision and the Royal Vision for Human Resource Development, BAU is committed to investing in the potential of students, researchers, staff, and the wider community by creating an enabling environment that nurtures creativity, innovation, and entrepreneurial thinking.



Established the Innovation, Creativity, and Entrepreneurship

Center serves as a specialized hub within the Deanship of Scientific Research and Innovation. The center plays a strategic role in promoting a culture of innovation and entrepreneurship by supporting innovators, developing entrepreneurial capabilities, and transforming creative ideas and applied research outcomes into impactful products, services, and startups.

Through its comprehensive programs and initiatives, the center provides a supportive ecosystem for students, faculty members, researchers, and community innovators. It organizes specialized training programs, workshops, seminars, conferences, and innovation competitions to enhance entrepreneurial skills and encourage the development of creative solutions. The center also works to attract and support innovators and entrepreneurs, providing mentorship, incubation opportunities, technical guidance, and access to networks that facilitate the

transformation of ideas into sustainable ventures.

Furthermore, BAU promotes intellectual property protection by managing the registration and follow-up of patents and intellectual property rights, ensuring that innovative achievements are recognized and effectively utilized. Through collaboration with local and international partners, the university strengthens opportunities for technology transfer, startup development, and investment in innovative solutions.

The innovation strategic objectives include:

- **Strengthening the innovation and entrepreneurship ecosystem** through the development of supportive regulations, digital systems, and institutional frameworks.
- **Promoting a culture of creativity, innovation, and entrepreneurship** among students, university employees, and community members.
- **Creating a supportive environment for innovators** by providing appropriate infrastructure, capacity-building programs, and knowledge platforms.
- **Encouraging intellectual property development** through patent registration, innovation competitions, and support for creative achievements.
- **Expanding business incubation and strategic partnerships** at national and international levels to accelerate the development of innovative ideas.
- **Commercializing innovative outputs and applied research outcomes** by connecting researchers and entrepreneurs with industry and investment opportunities.

PRACTICES

The university is deeply committed to fostering a dynamic and forward-thinking environment through active collaboration and strategic partnerships. These initiatives support students, faculty, researchers, and the local community by providing them with cutting-edge knowledge tools and advanced technological resources. These resources not only fuel innovative thinking but also encourage scientific research, while inspiring the development of entrepreneurial ventures.

BAU hosts several centers, including the Center for Innovation and Entrepreneurship, which offers a wide range of programs dedicated to entrepreneurship, innovation, and commercialization. These programs are pivotal in nurturing an entrepreneurial mindset and

skillset among students and staff. As a result, the Center has significantly boosted student participation in entrepreneurship initiatives.

In addition to its internal efforts, BAU serves as a bridge, connecting governments, industries, and leading researchers to collaboratively address real-world challenges. Through these partnerships, the university plays a crucial role in developing practical solutions that drive innovation and help companies create new services and products. These solutions not only meet market demands but also contribute to the goals of sustainable industrialization.



Sample of Activities of Center for Innovation, Creativity and Entrepreneurship

SCIENTIFIC RESEARCH



[Publications at Al-Balqa Applied University within SDG 9: Industry, Innovation, and Infrastructure 2021 to 2025](#)

10 REDUCED INEQUALITIES



The 10th Sustainable Development Goal (SDG 10): Reduced Inequalities emphasizes the importance of creating inclusive societies where all individuals, regardless of their background, ability, gender, or social circumstances, have equal access to opportunities and resources. Al-Balqa Applied University (BAU) is strongly committed to advancing this goal by embedding diversity, equity, and inclusion (DEI) principles into its policies, academic practices, campus infrastructure, and community engagement initiatives.

BAU recognizes that reducing inequalities requires more than ensuring access to education; it requires creating an inclusive environment where every individual can participate fully and achieve their potential. Accordingly, the university has developed a comprehensive framework that supports equal opportunities for students, staff, and community members, with particular attention to individuals with disabilities, underserved groups, and those facing barriers to

education, employment, and social participation.

Through institutional policies, accessibility measures, specialized support services, and inclusive educational practices, BAU works to eliminate discrimination and ensure equitable participation across all university activities. The university's commitment is reflected through the collaboration of multiple entities, including the Deanship of Student Affairs, the Special Education Department, disability assessment and support centers, and academic departments, which collectively provide academic, social, psychological, and technological support for students with disabilities.

To further strengthen its contribution to SDG 10, BAU focuses on the following objectives:

- **Advancing scientific research** addressing social inequalities, accessibility challenges, and inclusive development.
- **Empowering marginalized and underserved groups** through education, training, innovation, and community-based initiatives.
- **Ensuring inclusive access to higher education** through accessibility policies, financial support mechanisms, and academic accommodations.
- **Promoting a culture of diversity, equity, and inclusion** by eliminating discrimination and strengthening awareness across the university community.
- **Developing partnerships** with governmental, national, and international organizations to expand opportunities for vulnerable groups.

APPROACH AND PRACTICES

BAU is committed to advancing inclusive education and ensuring equal opportunities for students with disabilities in alignment with the Jordanian Law on the Rights of Persons with Disabilities No. (20) of 2017. The university provides accessible learning environments, reasonable accommodations, assistive technologies, and comprehensive academic, social, and psychological support to enable students with disabilities to fully participate in university life.

BAU continuously enhances campus accessibility through adapted infrastructure, including accessible pathways, ramps, elevators, reserved parking spaces, specialized laboratories, and suitable facilities. Support services include sign language interpretation, accessible educational materials, audio resources, and peer support initiatives such as the Nabd Student Club for Students with Disabilities, which promotes student-led inclusion and assistance.

The university also advances disability inclusion through innovation, research, and community engagement. The “Smart Communication Bridge” project, developed at Al-Salt Technical College, demonstrates BAU’s commitment to inclusive technology by using artificial intelligence to facilitate communication for deaf and speech-impaired individuals.

Through specialized programs offered by the Special Education Department at Princess Rahma University College, disability assessment services, training programs, consultations, and community outreach activities, BAU supports individuals with disabilities and strengthens inclusive practices. In addition, partnerships with organizations such as the Higher Council for the Rights of Persons with Disabilities and the Princess Taghreed Foundation for Development and Training enhance opportunities for accessible education, rehabilitation, and empowerment.



Corridors for Disabled Access

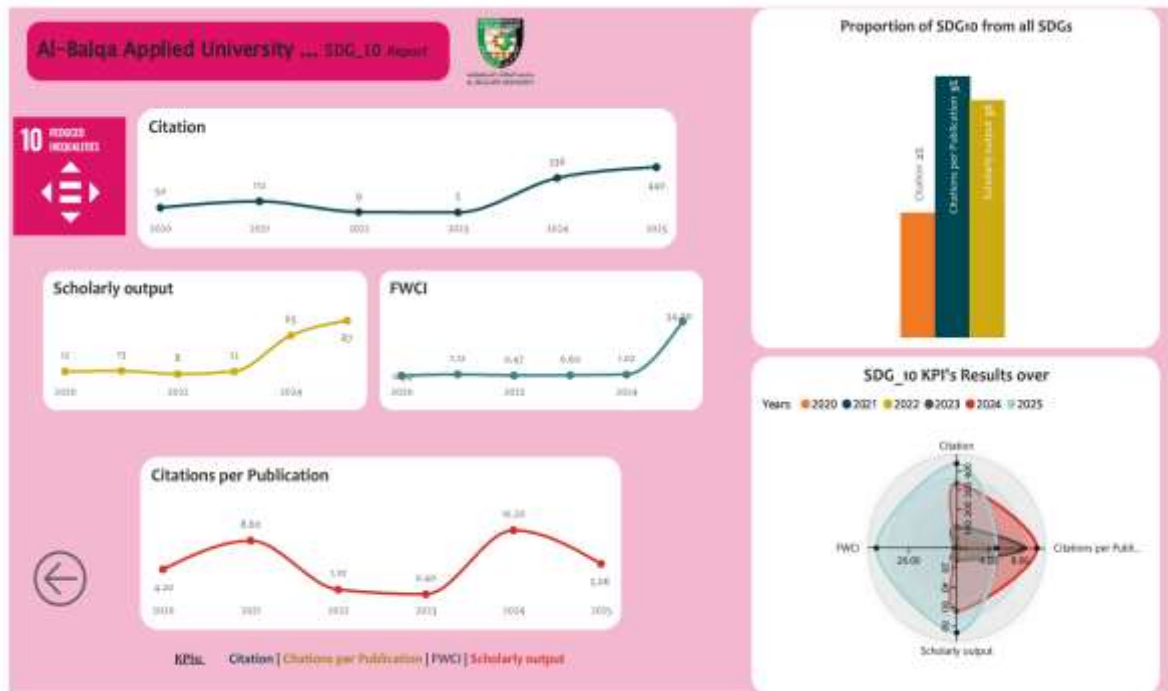


Disabled Parking



Disaabled students Office

SCIENTIFIC RESEARCH



[Publications at Al-Balqa Applied University within SDG 10: Reduced Inequality 2021 to 2025](#)

11 SUSTAINABLE CITIES AND COMMUNITIES



Al-Balqa Applied University (BAU) is steadfast in its commitment to global initiatives that promote progress, peace, and prosperity while preserving and celebrating community heritage, particularly in Al-Salt City, where its main campus is located.

In line with these principles, BAU is actively transitioning to green building practices. This dedication is exemplified in the construction of new buildings that integrate sustainable design features. These include centralized glass domes to harness natural light, energy-efficient LED lighting systems, and an architectural design emphasizing numerous double-glazed windows.



These elements not only enhance natural daylighting but also improve ventilation, creating a healthier and more energy-efficient environment within university facilities.

BAU's vision of fostering Inclusive, Safe, Resilient, and Sustainable Cities and Human Settlements is reflected in the following objectives:

- **Promoting scientific research** focuses on sustainable urban development and communities.
- **Adopting sustainable practices**, particularly in affordable housing initiatives.
- **Partnering with local authorities** to address planning and development challenges.

IMPLEMENTATION

The implementation of Sustainable Development Goal (SDG) 11 at BAU reflects its unwavering commitment to sustainable practices and community-focused development. Guided by the Ministry of Public Works and Housing's green building standards, BAU emphasizes constructing

and renovating buildings to minimize reliance on artificial climate control. Key sustainable features include natural ventilation, LED lighting, water-saving faucets, smart building systems with automated doors and fingerprint access, and the use of metal cladding. These measures highlight BAU's proactive approach to energy efficiency and environmental stewardship.

BAU's partnership with the Jordanian Green Building Council further underscores its dedication to sustainability. This collaboration aims to implement cutting-edge sustainable building techniques, benefiting both BAU's campus and the wider community. The agreement facilitates the transfer of best practices for maintaining and restoring existing structures while ensuring new constructions adhere to eco-friendly and sustainable methodologies.



The university's student-led initiatives in As-Salt provide a practical demonstration of SDG 11 in action. Projects to repurpose and restore abandoned heritage buildings serve dual purposes: preserving cultural heritage and supporting sustainable urban development. These revitalized spaces are being transformed into educational institutions, libraries, and community centers, showcasing BAU's dedication to creating inclusive and sustainable infrastructure.

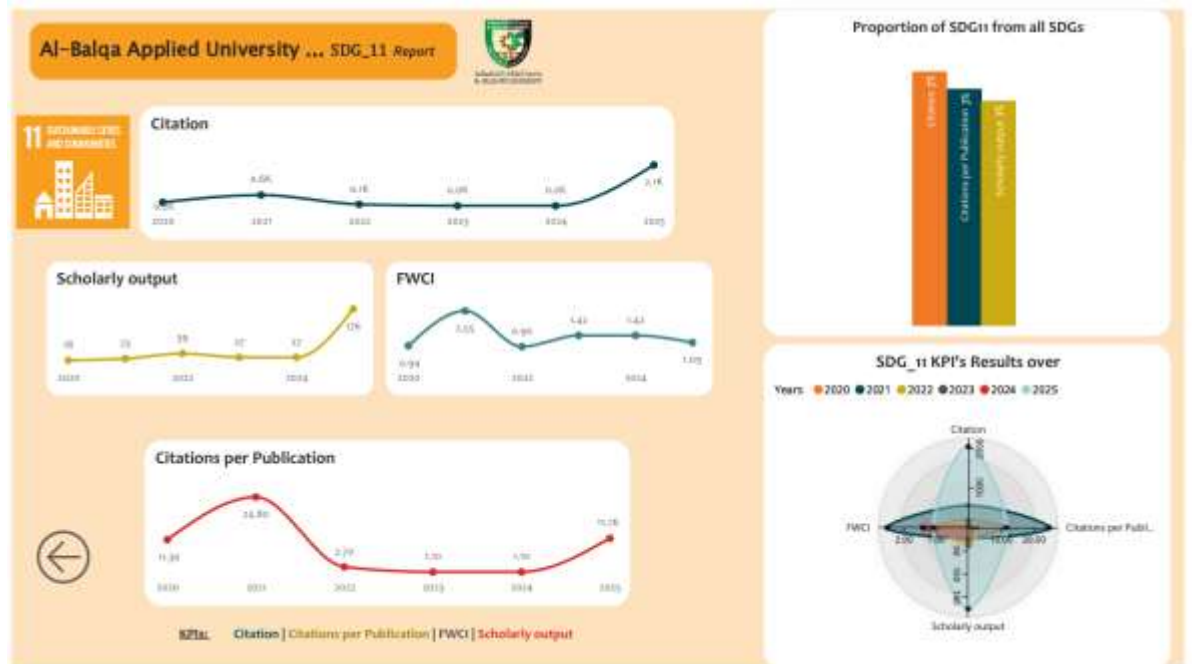
Through these comprehensive initiatives, BAU demonstrates a holistic approach to sustainable development. By integrating sustainable infrastructure, fostering community engagement, and adopting innovative practices, BAU reaffirms its commitment to achieving SDG 11 and contributing to a more sustainable and resilient



future for both its campus and the surrounding communities.



SCIENTIFIC RESEARCH



[Publications at Al-Balqa Applied University within SDG 11: Reduced Inequality 2021 to 2025](#)



Achieving sustainable economic growth and development requires a transition toward Sustainable Consumption and Production (SCP) patterns that minimize environmental impacts, improve resource efficiency, and promote responsible use of natural resources. Effective waste management plays a critical role in this transition by reducing pollution, conserving resources, supporting circular economy principles, creating green opportunities, and improving environmental quality.

Recognizing the growing challenges associated with waste generation resulting from demographic, agricultural, and industrial expansion in Jordan, BAU has developed and implemented a comprehensive Waste Management Protocol aligned with national legislation, institutional responsibilities, and the United Nations Sustainable Development Goals (SDGs).

The protocol represents a strategic shift from traditional waste disposal practices toward an integrated waste management approach that emphasizes prevention, resource recovery, and environmental sustainability.

BAU's waste management strategy has been developed in accordance with the Jordanian Waste Management Framework No. (16) of 2020, which requires major waste generators to establish comprehensive waste management plans with clear objectives and periodic review mechanisms. In response, the university has established a structured system that defines responsibilities, procedures, monitoring mechanisms, and improvement targets to ensure effective waste handling and compliance with environmental regulations.

A key element of BAU's waste management approach is the adoption of the 4R principles: Reduce, Reuse, Recycle, and Recovery. These principles guide the university's efforts to minimize waste generation, maximize resource utilization, reduce dependency on landfill disposal, and promote circular economy practices. Through waste segregation, recycling initiatives, awareness campaigns, and improved waste-handling procedures, BAU continues to enhance operational efficiency while reducing its environmental footprint.

To align with these objectives, BAU has established specific goals to promote sustainability:

- **Conducting university-led scientific research** focused on Responsible Consumption and Production.
- **Developing and implementing** advanced waste management strategies and practices.
- **Reducing the university's reliance** on single-use plastics and paper.

IMPLEMENTATION

BAU demonstrates its unwavering commitment to sustainability through its architectural achievements, exemplified by the university library and the Prince Abdullah Ben Ghazi Faculty of Information Technology building. These structures are paragons of sustainable design, incorporating cutting-edge facades with double glazing and advanced energy-efficient heating and cooling systems. These innovations significantly reduce energy consumption for temperature regulation, further optimized through meticulous resource metering systems that enhance the efficient use of energy and water. Additionally, BAU is transitioning toward clean

energy sources for heating, gradually phasing out traditional fuel reliance, supported by its expansive solar energy project at Hamrat Al Sahn.



13 CLIMATE ACTION



Al-Balqa Applied University (BAU) demonstrates a strong commitment to SDG 13: Climate Action through integrated policies, research, education, and operational initiatives aimed at reducing greenhouse gas emissions and enhancing climate resilience. As a member of the United Nations Academic Impact (UNAI), BAU aligns its sustainability efforts with global climate goals and the objectives of the Paris Agreement.



Operating across diverse climatic regions of Jordan, BAU addresses climate challenges through its Climate Action Plan, renewable energy projects, sustainable resource management, and climate-focused research. The university has expanded renewable energy systems, including a solar photovoltaic project exceeding 7 MW capacity, implemented energy-efficiency measures, promoted smart buildings, and conducted annual carbon footprint assessments to monitor emission reductions.

BAU supports sustainable consumption and climate mitigation through waste reduction initiatives, including electronic correspondence, e-learning systems, digital examinations, and reducing single-use materials. The university also advances water and climate adaptation solutions through wastewater treatment and reuse, rainwater harvesting, greywater recycling, smart irrigation, and climate-smart agriculture.

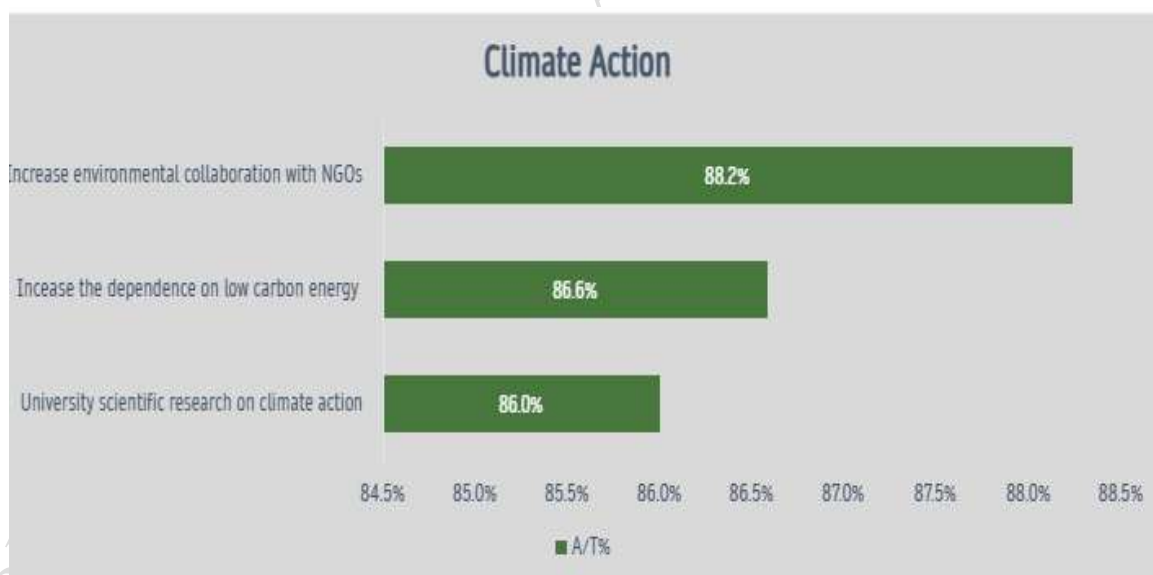
The university operates across Jordan's diverse climatic regions, driving its proactive approach to addressing climate variability and fostering climate adaptation. BAU plays a pivotal role in advancing innovative solutions, including water conservation, drought research, capacity-

building programs, and technology transfer initiatives. These efforts encompass solar energy advancements, wastewater treatment for reuse, and the adoption of smart agricultural practices.

BAU has developed specialized academic programs in fields such as smart agriculture, water treatment, smart infrastructure, and electric and hybrid vehicle technologies. Complementing these efforts, the university actively conducts awareness campaigns to educate the community on climate change and its implications.

BAU's commitment to Action to Combat Climate Change is reflected in the following key objectives:

- **Advancing University-Led Scientific Research:** Focusing on climate change mitigation and adaptation.
- **Promoting Low-Carbon Energy Solutions:** Expanding the use of renewable and sustainable energy sources.
- **Enhancing Environmental Collaboration:** Strengthening partnerships with governmental and non-governmental organizations to drive climate action initiatives.



[*Strategic Achievement for SDG13/2025*](#)

EDUCATION AND OUTREACH

BAU actively fosters environmental and climate literacy among its students, equipping them with the knowledge and skills needed to understand the far-reaching effects of climate change and to develop effective mitigation and adaptation strategies. A diverse range of academic programs at both undergraduate and



postgraduate levels has seamlessly integrated climate variability and change into their curricula. Fields such as civil engineering, water resources management, water treatment engineering, smart buildings, renewable energy technologies, environmental management, and disaster management have been thoughtfully adapted to include these vital topics, ensuring they are deeply embedded in course content. In addition, BAU is home to advanced research laboratories and specialized research groups that focus on renewable energy technologies and strategic management tools. These initiatives aim to address greenhouse gas emissions and other climate-related challenges, blending technological innovation with strategic solutions to drive impactful climate action.

PRACTICES

BAU is actively combating climate change by implementing a range of measures to reduce its carbon footprint and greenhouse gas emissions. These efforts include incorporating green building principles and smart building technologies, transitioning progressively to renewable energy sources, promoting organic composting, and increasing the cultivation of drought-tolerant plants. Additionally, BAU leverages cloud computing applications to enhance efficiency and sustainability and strengthens its commitment through national and international agreements aimed at advancing climate action and environmental stewardship.



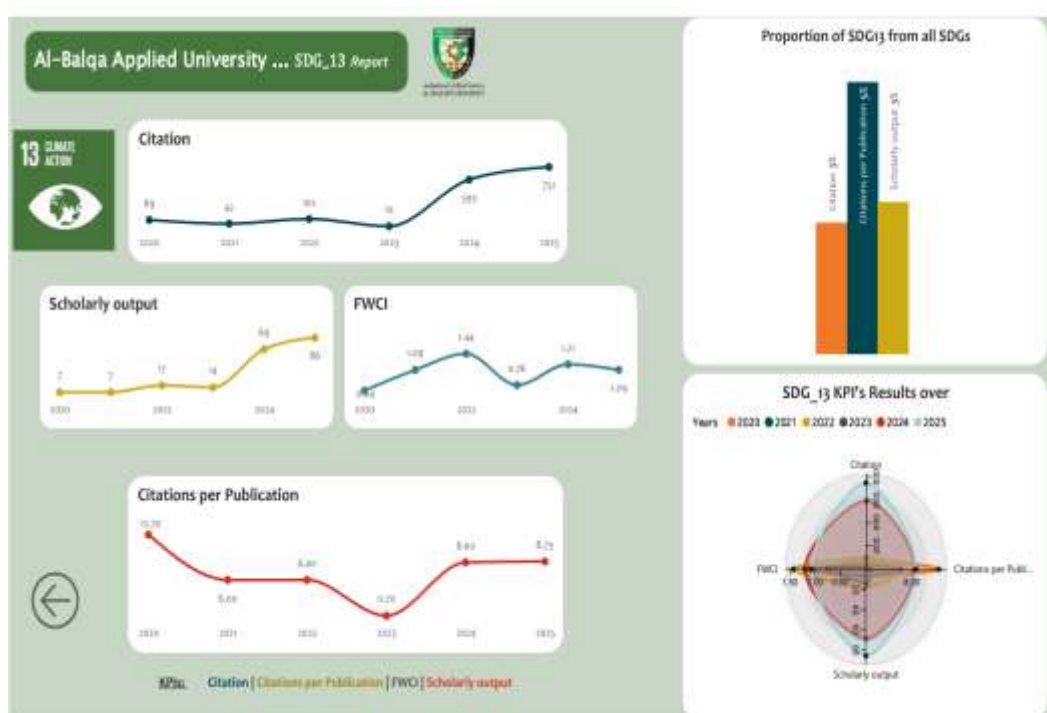
جانب من المشاركة في فعاليات مؤتمر الشباب المحلي للتغير المناخي 2025



بيان السياسات للشباب الأردني لعام 2025
نحو العدالة المناخية: الشباب في قلب المساهمات المحددة وطنياً (NDCs)



SCIENTIFIC RESEARCH



[Publications at Al-Balqa Applied University within SDG 13: Climate Action 2021 to 2025](#)

The reliance of many nations on marine and coastal biodiversity for sustenance is indisputable. However, we are facing a sobering reality: 30% of the world's fish stocks are overexploited, falling below sustainable yield levels. Oceans, which absorb approximately 30% of human-produced carbon dioxide, have experienced a troubling 26% increase in acidification since the industrial revolution. Additionally, marine pollution predominantly from land-based sources has escalated alarmingly, with an average of 13,000 pieces of plastic litter per square kilometer of ocean.

14 LIFE BELOW WATER



With the global population projected to reach 9.1 billion by 2050 and the intensifying impacts of climate change, the sustainable use of water and ecosystems for food security presents a monumental challenge. BAU recognizes the critical importance of understanding the intricate interplay between terrestrial and aquatic ecosystems and their profound impact on water availability and quality. The uncertain consequences of climate change on ecosystems—and their cascading effects on water and food security underscore significant concerns. Projections indicate increased vulnerability to environmental damage, diminished ecosystem services, and reduced resilience, demanding urgent action and innovative solutions.

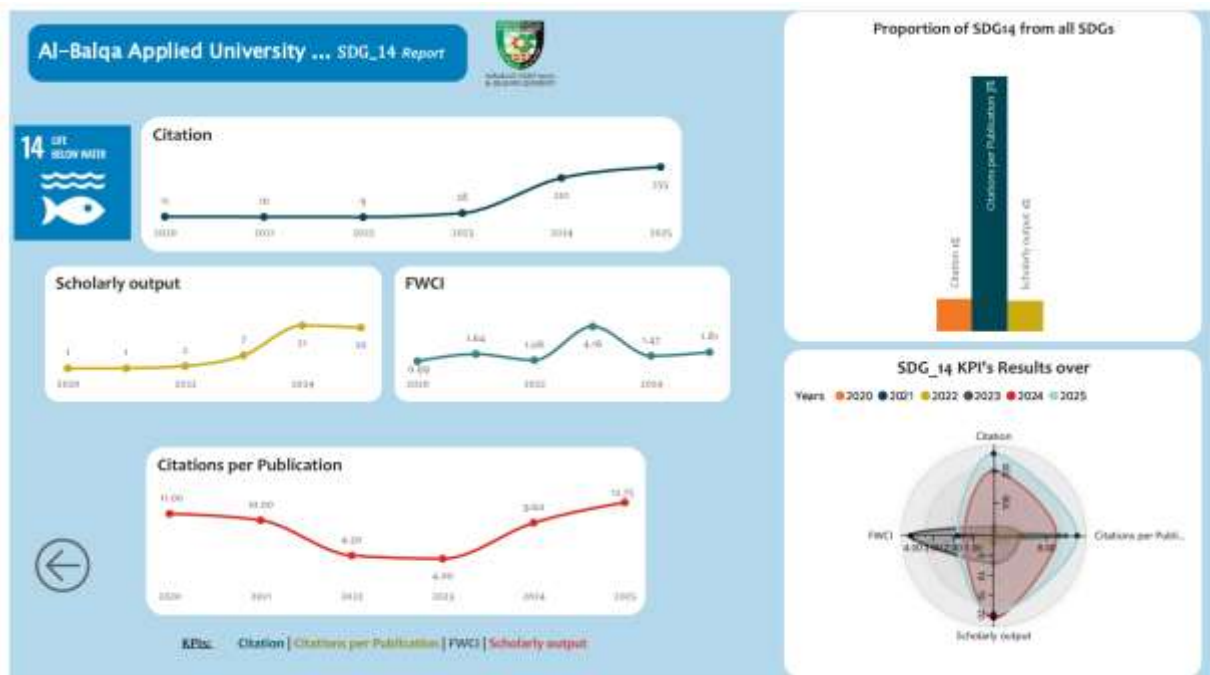
PRACTICES

BAU has established a dedicated policy for Food from Aquatic Ecosystems, designed to ensure the provision of food for the university community without compromising the ability of future generations to meet their needs. This policy emphasizes the preservation of biodiversity as a cornerstone for maintaining marine sustainability.

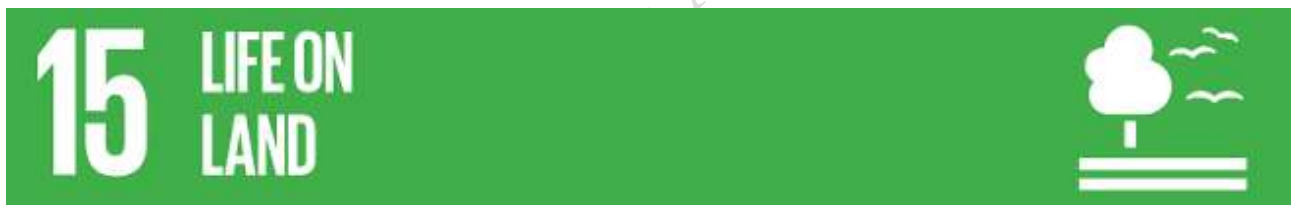
In alignment with its commitment to **Conserving and Sustainably Using the Oceans, Seas, and Marine Resources for Sustainable Development**, BAU has outlined the following key objectives:

1. **Advancing Scientific Research:** Supporting and fostering research initiatives in fields related to marine and aquatic ecosystems.
2. **Promoting Education on Aquatic Ecosystems:** Integrating education programs focused on life below water to raise awareness and understanding of marine conservation.
3. **Reducing Water Pollution:** Actively working to prevent water pollution as a means to support and sustain aquatic ecosystems.

SCIENTIFIC RESEARCH



[Publications at Al-Balqa Applied University within SDG 14: Life Below Water \(2021-2025\)](#)



Al-Balqa Applied University is firmly committed to advancing Sustainable Development Goal 15 (Life on Land) by integrating biodiversity conservation, sustainable land management, and ecosystem restoration into its core functions of education, research, campus operations, and community engagement. Through comprehensive policies, scientific research, smart agricultural practices, and strategic partnerships, the university works to conserve terrestrial ecosystems, restore degraded lands, combat desertification, and protect native flora, fauna, wildlife, and genetic resources. BAU also promotes the sustainable use of natural resources, strengthens ecosystem resilience, supports the conservation of endangered and economically important plant species, and incorporates biodiversity considerations into institutional planning and decision-making. These efforts contribute to safeguarding Jordan's natural heritage while enhancing climate resilience, food security, and sustainable rural development.

To support the protection, restoration, and sustainable use of terrestrial ecosystems, sustainably manage land resources, halt biodiversity loss, and enhance ecosystem resilience, BAU has established the following strategic objectives:

BAU also prioritizes preventing poaching and the trafficking of protected species, mitigating the introduction of invasive alien species into ecosystems, and embedding the intrinsic values of ecosystems and biodiversity into governmental policies and planning.



To demonstrate its commitment to Protect, Restore, and Promote Sustainable Use of Terrestrial Ecosystems, Sustainably Manage Forests, Combat Desertification, Halt and Reverse Land Degradation, and Stop Biodiversity Loss, BAU has established the following goals:

- **Advancing Scientific Research:** Conducting university-led research to promote sustainable land practices and ecosystem conservation.
- **Educational Initiatives:** Supporting educational programs that emphasize the importance of land ecosystems.
- **Biodiversity Conservation:** Preserving and expanding the biodiversity within existing ecosystems.
- **Community Collaboration:** Strengthening partnerships with local communities to foster sustainable land use practices and conservation efforts.



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EDUCATION AND RESEARCH STATIONS

BAU has established robust policies to ensure that the food served on campus aligns with the principles of sustainable farming. By adopting a conscientious approach to nourishment, BAU implements stringent guidelines and practices that prioritize environmental conservation, ethical farming, and the well-being of its community. Through these dedicated policies, BAU demonstrates a strong commitment to not only providing a nutritious dining experience but also fostering responsible stewardship of the land and its resources.

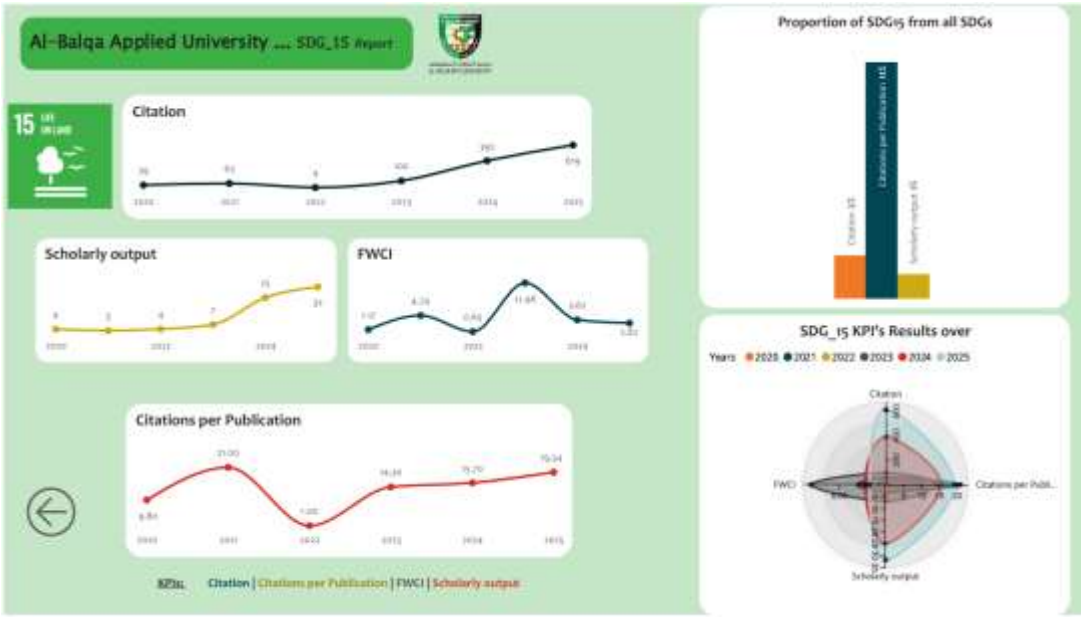
At the Agricultural Research Station, BAU has solidified its dedication to sustainable food production practices. The station is home to ten thriving greenhouses, cultivating a variety of crops such as tomatoes, cucumbers, and bell peppers using environmentally harmonious methods. In addition to these staples, the station also grows tropical fruits like dragon fruit, further exemplifying its commitment to diversifying produce in a sustainable manner.

Significantly, the station has eliminated the use of chemical fertilizers, opting instead for eco-friendly practices such as on-site composting to enrich the soil while minimizing environmental impact.

A thriving community of 160 honeybee hives further underscores the station's holistic approach to agriculture. These hives produce around 500 kilograms of honey, 300 grams of royal jelly, and 100 kilograms of pollen, showcasing the harmonious relationship between agricultural practices and the surrounding ecosystem. This success at BAU's Agricultural Research Station stands as a testament to the university's unwavering commitment to sustainable, ethical, and productive farming practices.



SCIENTIFIC RESEARCH



[Publications at Al-Balqa Applied University within SDG 15: Life on Land 2021-2025](#)

16 PEACE, JUSTICE AND STRONG INSTITUTIONS



Achieving sustainable development relies on peace, stability, human rights, and effective governance rooted in the rule of law. Unfortunately, our world is becoming increasingly fragmented. While some regions thrive in peace, security, and prosperity, others face ongoing cycles of conflict and violence. This divide is not inevitable and requires urgent action.

The Sustainable Development Goals (SDGs) aim to significantly reduce all forms of violence and work with governments and communities to end conflicts and enhance security. At the core of this effort is the promotion of the rule of law and human rights, along with efforts to curb the illicit flow of arms and strengthen the participation of developing nations in global governance.



Jordan is committed to improving its regional and international standing by combating corruption across various sectors, eliminating all forms of abuse and violence, advancing the rule of law, and ensuring equitable access to justice for all. These efforts are essential steps toward creating a more peaceful and just world.

Al-Balqa Applied University (BAU) is dedicated to fostering inclusive and peaceful societies for sustainable development. It aims to ensure that everyone has access to justice and to build inclusive institutions at all levels. BAU has set several objectives to support these goals, including:

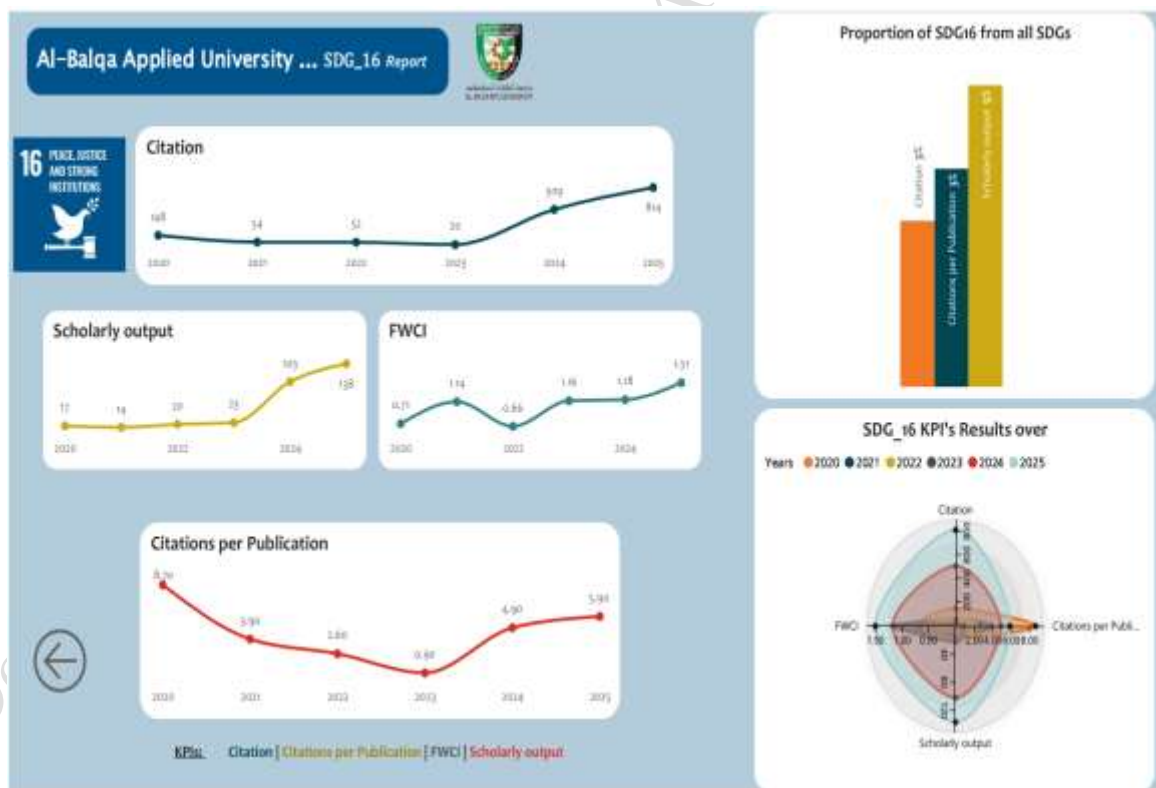
1. **Conducting scientific research** on peace, justice, and strong institutions.
2. **Supporting the freedom** of the university community.
3. **Committing to transparency and combating corruption.**

PRACTICES

Al-Balqa Applied University takes great pride in promoting diversity and equity among all members of its community, while steadfastly upholding the principles of peace and justice. This commitment not only involves recognizing past pain and loss but also embracing the possibilities of hope and new opportunities for growth, with the ultimate goal of benefiting others and, in turn, us.

BAU's governance model is rooted in the recognition of student unions and their active participation in university councils. By championing academic freedom and fostering an environment of diversity and equity, the university consistently engages local stakeholders and upholds the core values of peace and justice within the community.

SCIENTIFIC RESEARCH



[Publications at Al-Balqa Applied University within SDG 16: Peace, Justice and Strong Institution 2021 to 2025](#)

17 PARTNERSHIPS FOR THE GOALS



Al-Balqa Applied University (BAU) is fully committed to advancing the United Nations Sustainable Development Goals (UN-SDGs) and has adopted a policy of sustainable continuous improvement. This policy is designed to integrate the SDGs into all of the university's strategic and action plans through a variety of initiatives, projects, and programs.

BAU plays an active and influential role in shaping and supporting national and regional SDG policy development through direct collaboration with government institutions and non-governmental organizations. The university contributes to identifying key challenges, formulating effective strategies, and monitoring progress across

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the social, economic, and environmental dimensions, thereby strengthening its role in policy formulation, adaptive management, and evidence-based decision-making that advance progress toward the Sustainable Development Goals (SDGs).

BAU works closely with national, regional, and international partners, including the European Union (EU), GIZ, KOICA, and UNESCO, to develop Technical and Vocational Education and Training (TVET) policies in Jordan. At the national level, BAU actively participates in policy committees and initiatives in cooperation with the Ministry of Public Works, the Ministry of Higher Education and Scientific Research, and other relevant stakeholders to promote sustainable development and policy innovation.

To strengthen the means of implementation and revitalize the Global Partnership for

Sustainable Development, BAU has set the following goals:

- **Building national and international partnerships to support the SDGs.**
- **Increasing international collaboration and data collection for the SDGs.**
- **Expanding publications related to the SDGs.**
- **Promoting meaningful education on the SDGs throughout the university.**

PRACTICES

BAU is strongly committed to Sustainable Development Goal 17 (Partnerships for the Goals), recognizing that collaboration is essential for achieving the broader SDGs. The university actively fosters partnerships with national and international organizations, government agencies, NGOs, and the private sector, creating synergies that amplify the impact of sustainable development initiatives.

BAU's commitment is reflected through its involvement in diverse cross-sectoral dialogues and collaborative projects aimed at addressing global challenges. For



instance, BAU works closely with the United Nations High Commissioner for Refugees (UNHCR) and other stakeholders to form the Higher Education Alliance for Refugees in Jordan, facilitating refugee access to tertiary education and aligning with SDG 4 (Quality Education) and SDG 10 (Reduced Inequalities). Additionally, partnerships with the Ministry of Social Work enhance student education and training in social work, further supporting SDG 4.

As a catalyst for regional and global collaboration, BAU contributes to drafting national policies on social work and poverty reduction, advancing SDG 8 (Decent Work and Economic

Growth) and SDG 17. The university also collaborates with organizations such as GIZ and JICA to improve technical education, student employability, and educational quality.

BAU's engagement extends to environmental sustainability, partnering with the Ministry of Environment and participating in the drafting of the 3rd National Environmental Report, advancing SDG 13 (Climate Action) and SDG 15 (Life on Land). The university also organizes and participates in key conferences such as the Future of Sustainability in Business and Environment and the International Oil Shale Conference—bringing together experts and policymakers from over 20 countries to exchange knowledge and strengthen global partnerships.

Collaboration with local and international NGOs, including INWARDIM and NAMA, promotes sustainable land management and empowers women and youth, contributing to SDGs 5, 15, and 17. Through public lectures, training programs, and community events, BAU encourages innovation, civic engagement, and practical solutions for critical SDG issues in health, ecosystems, agriculture, and sustainability.

Through this extensive network of partnerships, BAU plays a pivotal role in advancing the global SDG agenda. Its integrated efforts in research, capacity building, curriculum development, and community engagement ensure that SDG 17 serves not just as a goal, but as a driving force for transformative change locally, regionally, and internationally.

Published by:

Development and Quality Assurance Center (DQAC_2026)

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