



Al Balqa Applied University

BAU-Sustainability Report 2021



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<u>Contents</u>	
	Page
<i>Preface</i>	4
<i>How we create value</i>	6
<i>Our sustainability stories, Significance of Environmental Aspect</i>	7
<i>Settings and Infrastructure</i>	8
<i>Introduction:</i>	12
<i>End All Forms of Poverty Everywhere:</i>	14
<i>End Hunger, Achieve Food Security and Promote Sustainable Agriculture</i>	15
<i>Ensure Healthy lives and Promote Well-Being for All at All Ages:</i>	17
<i>Ensure Inclusive and Quality Education for All and Promote Lifelong Learning</i>	19
<i>Achieve Gender Equality and Employment All Women and Girls</i>	21
<i>Ensure Availability and Sustainable Management of Water and Sanitation for All</i>	23
<i>Ensure Access to Ensure Access to Affordable, Reliable, Sustainable and Modern Energy</i>	25
<i>Promote Sustained, Inclusive and Sustainable Economic Growth, Full and Productive Employment and Decent Work for All</i>	27
<i>Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</i>	29
<i>Reduce Inequality Within and Among Countries</i>	31
<i>Make Cities and Human Settlements Inclusive, Safe, Resilient and Sustainable</i>	33
<i>Ensure Sustainable Consumption and Production Patterns</i>	35
<i>Take Urgent Action to Combat Climate Change and Its Impacts</i>	37
<i>Conserve and Sustainably Use the Oceans, Sea and Marine Resources for Sustainable Development</i>	39
<i>Life on Land</i>	41
<i>Peace, Justice and Strong institutions</i>	42
<i>Partnership for the Goals</i>	44
<i>List of agreement with AL Balqa Applied University</i>	46

Preface

Al-Balqa' Governorate lays to the west of Amman the capital of Jordan, forming a key crossing spot over the successive historical eras as it is relatively close to the cities of the region. Salt City presents the flourishing side of Al-Balqa' Governorate due to its substantial and stunning nature, laying at 1,100 meters above sea level embracing the Dead Sea within its borders -the lowest point on Earth-. Today the old buildings and monuments stand to witness upon its original role and heritage.

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 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, since then, Al Balqa' Applied University has become the largest public university in Jordan with an area of 11170659 square meters. Its buildings are designed through stages to have both ancient and modern buildings having its center campus on one of Salt City Mountains.

Green Spaces, benches and walkways are maintained to serve university's visitors, students, and staff. Since its establishment, the university aspired to create an effective partnership with the local community by allowing them to invest and construct facilities and services such as restaurants, shops, bookshops close to the university campus to enable the community to serve the students' academic life as part of an integrative society.

BAU is offering programs, through its 15 campuses spread over all Jordan, that are tailored to ~~fit the ever-changing needs of the labor market locally, regionally, and internationally.~~

We will become a university where sustainability is truly embedded through knowledge, engagement, collaboration, and innovation. Each one of our staff and students will understand the principles of sustainability – it will be an integral part of our operations and will bring about positive, sustainable change for the future.

Our Sustainability Strategy sets out the commitments we have made to 2025. However, a sustainable future for all requires a change in behavior and a combined effort forever.

We understand that being sustainable creates value and that it's more than reducing our environmental impact; it's about resilience and intelligence – building the links between students, research, and our operations, so that we can make a positive difference.

In 2018 we committed to a new global initiative, the SDG Accord, which is the higher education sector's collective response to the United Nation's Sustainable Development Goals (SDGs) Figure 1. The aim of the initiative is to embed the goals across post education, recognizing and advancing the critical role that education has in delivering the goals and the value this brings to governments, business, and wider society. The SDGs aim to achieve a better and more sustainable future for all, addressing the global challenges that face societies, including poverty, inequality, climate change, environmental degradation prosperity, peace, and justice.

There are 17 goals and the UN aim to achieve all by 2030. For the University in the coming year, we aim to map our activities to the goals to identify which we are supporting through our activities and implement a delivery program. This committee resulted in signature the partnership and social responsibly with UN impact Figure 2.



Figure 1. Sustainable Development Goals



Figure 2. Sharing a culture of intellectual social responsibility with United Nation Academic Impact

Al Balqa Applied University (BAU) is a member of United Nations Academic Impact (UNAI) and adopts a sustainable continuous improvement policy, that aims to implement SDGs in all strategic and action plans through a lot of initiatives, projects, and programs, and by improving the research infrastructure, funding the scientific activities and studies, as well as strengthening international collaboration and partnerships

How we create value

While the University is a large and complex organization, its key collaborators and resources, institutional focus direct and indirect impacts can be summarized by the following value chain diagram. With the size and complexity of the organization in mind, this value chain focuses on the material topics identified by stakeholders for this report Figure (3) .

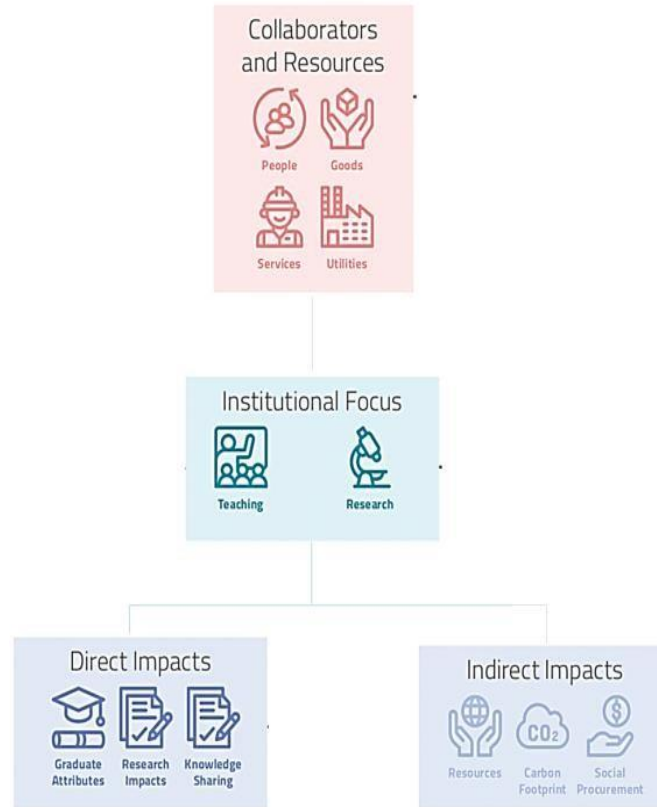


Figure 3. BAU Model of Creating value of Sustainability

Our sustainability stories, Significance of Environmental Aspect

Evaluation Environmental Aspects –impacts collect from our system in BAU operation system and this where classified Probability Severity Likely Unlikely Highly Unlikely Serious Intolerable and study the impact to the environment as shown in Figure 4.

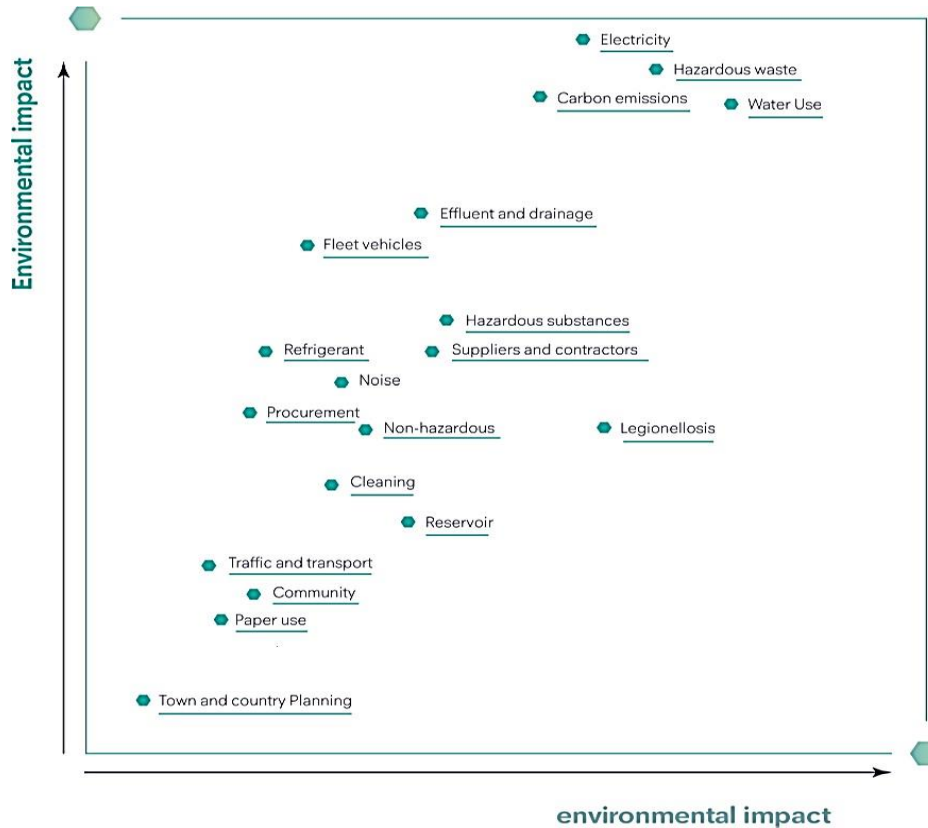


Figure 4. Evaluation Environmental Aspects –impacts

Settings and Infrastructure

BAU offers academic programs through 15 campuses spread over Jordan, with total area (11170659) m², and Total Campus buildings area (361936) m². The Campus sites designed through stages, and it contain ancient and modern buildings. The main Campus located on a mountain at Al Salt City Figure 5, which shown in the Google earth image. Total campus ground floor area of buildings (152,282) m² which means that the ratio of open space area to total area 98.6%, which one of our advantage compering with urban university campuses.



Figure 5. The main Campus located on a mountain at Al Salt City

Al Balqa Applied University adopts a sustainable continuous improvement policy and seeking to achieve UI GreenMetric requirements, so it is working within a well-organized strategic and action plans through a lot of initiatives, projects, and programs to increase the green areas throughout campus sites, such as increase planted vegetation area from (1,148,854 m²) last year to be (1,151,854), with an active contribution from the BAU's population to propagate plants at the BAU's plant nursery (plantation) and plant it in BAU gardens.



Figure 6. Example of Planted vegetation Areas

A water absorption area besides forest and planted vegetation, such as: soil, grass, etc., as shown above with Total area 9,119,529 m² and Ratio 81.6%, This water absorption area of frequent moisture uptake has played an important source for plant and vegetation.



Figure 7. Water Absorption area in one of campus sites (Princes Rahma campus)

Introduction:

The University Impact Rankings is a new initiative by the highly influential Times Higher Education (THE) and the only global performance tables that assess universities against the United Nations' Sustainable Development Goals (SDGs). They carefully calibrated indicators to provide comprehensive and balanced comparisons. In last year these rankings measured more than 1100 universities from 94 nations for their research, outreach, and stewardship on social, ecological, and economic impacts.

The Sustainable Development Goals (SDGs) framework includes 17 goals designed to stimulate action in areas of critical importance for humanity and the planet. Organizations across the world have adopted these goals to evaluate their work and prioritize future actions.

Al Balqa Applied University (BAU) is a member of United Nations Academic Impact (UNAI) and adopts a sustainable continuous improvement policy, that aims to implement SDGs in all strategic and action plans through a lot of initiatives, projects, and programs, and by improving the research infrastructure, funding the scientific activities and studies, as well as strengthening international collaboration and partnerships

Across BAU, faculty and students are teaching, learning, and exploring sustainability through hundreds of courses, programs, and research projects. We are committed to fostering and promoting the knowledge, skills, and experience of students for them to serve as agents of change, community leaders, and responsible global citizens. BAU's motivated goals are for all students to have access to sustainability learning together with their chosen degree program; to create varied learning and co-curricular engagement opportunities for students; and to be global leaders in applied research on sustainable behavior, infrastructure, and communities.

Consistent with the perspective adopted in the Strategic Plan 2017-2021, BAU proposes a pioneering and inventive way to report on the contributions generated by its activities, including training, research, and social and public engagement, aimed at the achievement of the Sustainable Development Goals (SDGs) of the U.N. 2030 Agenda.



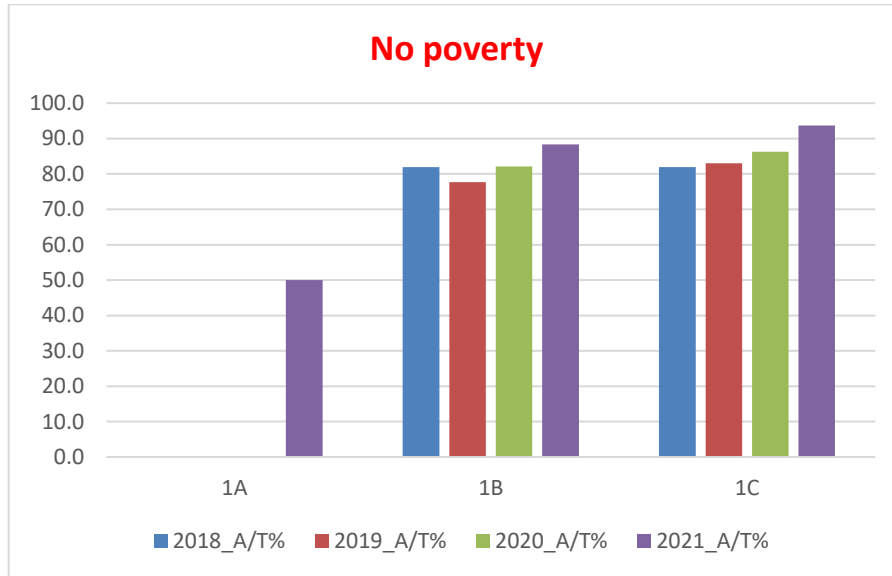
End All Forms of Poverty Everywhere:

BAU is committed to supporting students from less fortunate areas and poor students to obtain quality education as one of the simplest human rights. BAU is aware of the importance of supporting the poorest students in completing university education, as it has an important impact on the development of the communities through improving the living conditions. BAU fights poverty by providing various grants and scholarships through its partnerships with donor institutions students in need. It supports students who are facing financial difficulties that affecting their study career. BAU Students' Support Fund helps students in hardship with necessities of life like food, accommodation, travel, and medical categories. BAU have many initiatives and programs to reach those in need in Jordanian governorates. Also, BAU follows up the student's educational situation to ensure students graduation and provides emergency financial aid to help students in their lives and face emergencies.

To achieve a good effect and influence in fighting poverty BAU has set many sub goals related to ending poverty in its all forms, and these goals can be shortlisted as following:

1. BAU commitment and support toward fighting poverty scientific research.
2. Supporting poor students in completing their university study and overcoming harsh conditions.
3. BAU contribution and participation in anti-poverty programs.

Code	Sub-goal
A	University Scientific research for fighting poverty
B	Supporting Poor Students
C	Anti-Poverty Programs





Promote Sustainable Agriculture:

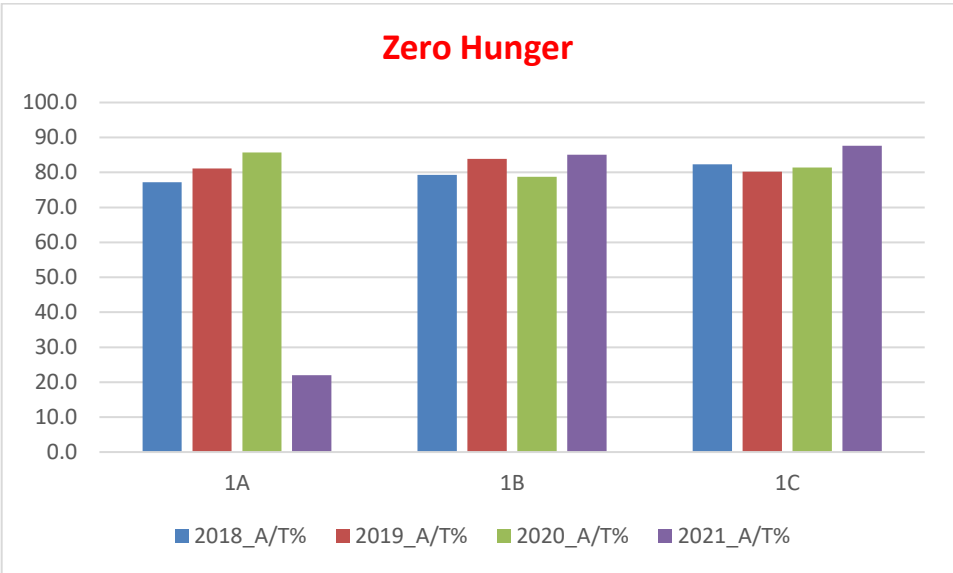
Researchers at BAU are dedicated to enhancing the understanding of the causes of poor childhood nutrition, and solutions to, food insecurity among children. Faculty members at Agricultural Technology Faculty have informed government to work on household food insecurity and are directly influencing efforts to tackle residents' food insecurity in Jordan.

BAU faculty members are working on developing more sustainable food production methods. Projects include the use of waste by-products from food processing e.g.: food waste, and organic substances as fertilizers which lead to increased yield and so helping in decreasing hunger.

BAU has set many sub goals related to reaching zero hunger in Jordan, and these goals can be shortlisted as follow:

1. BAU commitment toward supporting scientific research in hunger fighting related fields.
2. BAU participation and initiation for food insecurity fighting.
3. BAU programs for food waste reduction and maximizing utilization of food sources.

Code	Sub-Goal
A	BAU scientific research in hunger fighting related fields
B	BAU programs for fighting student’s food insecurity
C	Food waste reduction



Ensure Healthy lives and Promote Well-Being for All at All Ages:

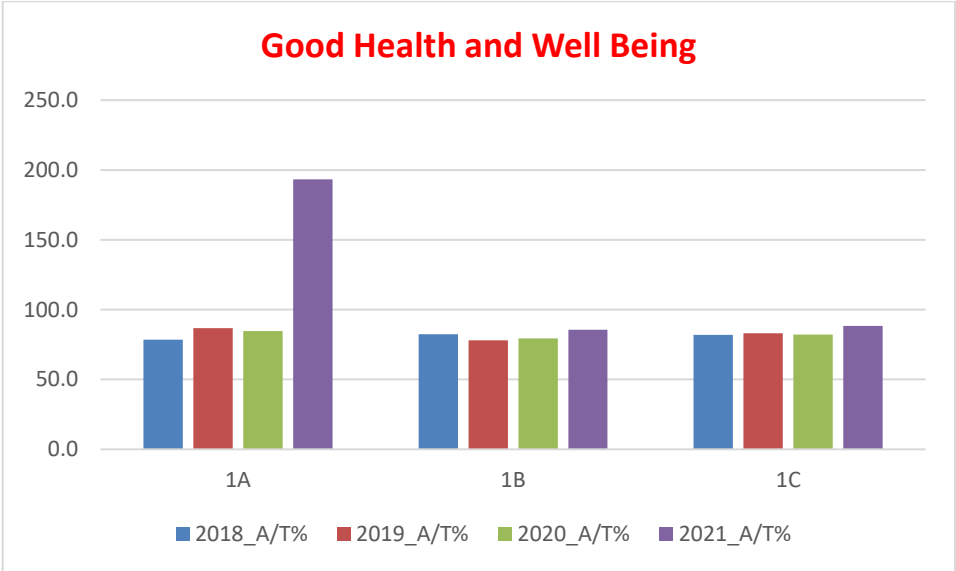


BAU as an educational and research institution has taken its own responsibilities toward healthy lives and promoting humankind wellbeing at all ages. BAU has drawn its own policy against smoking and has adopted a smoke free environment at all campuses and this leads to the bigger goals to cease smoking in BAU and Jordan. BAU is involved in many initiatives, events, activities, and programs to promote humans' wellbeing and improving outcomes of newborns and increasing public awareness toward healthy lifestyles.

BAU has set many sub-goals related to promoting well-being and ensuring healthy lives in Jordan and these goals can be shortlisted as follow:

1. BAU commitment toward supporting scientific research in the related fields for good health and wellbeing.
2. Deliver health programs and projects to the local community health and wellbeing.
3. Smoke free environment.

Code	Sub-Goal
A	BAU scientific research for good health and well being
B	Deliver health programs and projects to the local community health and well being
C	Smoke Free Environment



Ensure Inclusive and Quality Education for All and Promote Lifelong Learning:



Achieving inclusive and quality education for all reaffirms the belief that education is one of the most powerful and proven vehicles for sustainable development. It aims to provide equal access to affordable vocational training, to eliminate gender and wealth disparities, and achieve universal access to a quality higher education.

BAU is seeking now to achieve 4th goal (quality education) by providing access to inclusive education, that raise the competencies, skills and abilities of those who want to learn regardless of gender, race or religion, to ensure achievement principles of learning for all and long life learning by providing flexible learning with various patterns and shapes and providing an appropriate educational environment that contributes to overcoming all obstacles that prevent them from the completion of their educational, such as housewives, people with disabilities, who live in remote rural areas, and workers who cannot enroll in traditional education programs, as well as providing open educational resources, such as educational platforms and global database that are consistent with the global education system and ensure obtaining accredited certificate and recognized internationally.

Also, Serving the local community is one of three aims for Al-Balqa Applied University addition to teaching and scientific research. The university also adopts the United Nations' sustainable development goals through local communities' outreach and solve their problems.

At BAU, students from all disciplines, both undergraduate and postgraduate, can undertake a degree specialization (minors or majors) or key units that support transformative teaching for sustainability literacies and the SDGs

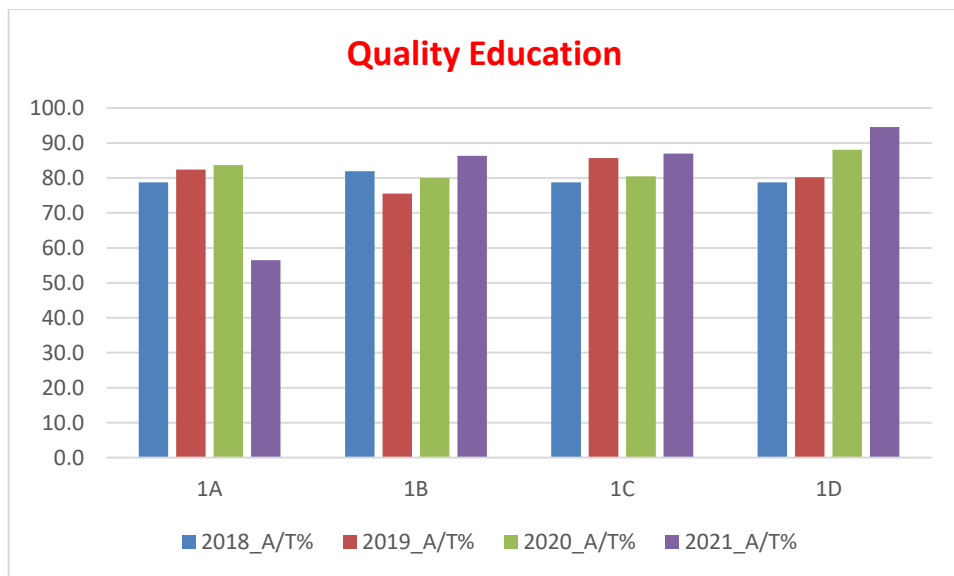
BAU has an Internal Quality Assurance System involving a self- assessment that allows BAU to improve the quality of its study programs. This process aims to provide an adequate response to the expectations of all actors who have an interest in the offered teaching and training services: students, families, companies, local community, institutions, etc.,

The system envisages the periodic collection and analysis of significant data (such as the number of graduates in the course, the views of the students and the employment status of the graduates) and the planning of concrete actions for improvement. The outcome of this analysis is represented by the Report of the course, a document published annually, both in Arabic and in English, which contains the information required for Quality Assurance.

BAU has set many sub goals related to quality education in Jordan and these goals can be shortlisted as follow:

1. Supporting scientific research on quality education.
2. Providing access to educational resources for those not studying at the university.
3. Contributing and participating in vocational training events.
4. Contribution and participation in education outreach events.

Code	Sub-Goal
A	University scientific research on Quality education
B	Provide access to educational resources for those not studying at the university
C	Vocational training events
D	Education outreach events



Achieve Gender Equality and Employment All Women and Girls:



Ending all discrimination against women is not only a basic human right, but also crucial for sustainable future; it's proven that empowering women and girls helps economic growth and development. But although there are more women than ever in the labor market, there are still large inequalities in some regions, with women systematically denied the same work rights as men.

The University offers a year-long program that provides opportunities for women to develop personal leadership skills. Specific objectives include increasing the numbers of women in senior positions, enhancing opportunities for women to be recruited and retained in under-represented areas, fostering formal and informal learning as well as mentoring and career development for women.

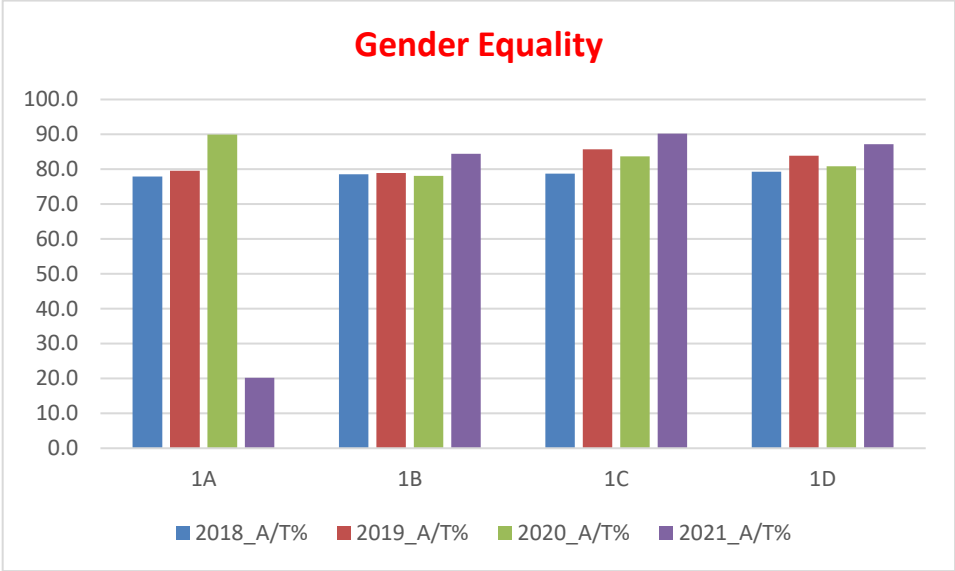
BAU bodies for protection from gender inequality:

1. Vice-president for administrative affairs.
2. Delegate for Equal Opportunities.
3. Harassment Adviser.

BAU has set many sub goals to achieve gender equality in BAU and Jordan and these goals can be shortlisted as follow:

1. Supporting scientific research on Gender Equality and employment.
2. Tracking Access measure for women at BAU.
3. Encourage application by women in subjects where they are underrepresented.
4. Increase collaboration with other organizations and institutions to encourage women to apply in subjects where they are underrepresented.

Code	Sub-Goal
A	BAU scientific research on gender equality.
B	Tracking access measures for women.
C	Encourage applications by women in subject where they are underrepresented.
D	Collaboration with other agencies to encourage women to apply in subjects in which they are underrepresented.



Ensure Availability and Sustainable Management of Water and Sanitation for All:



Water is imperative for the sustainability of life, the environment, and the economy, and therefore it is critical that decisions on water accounting are based on reliable and objective information. Climate change, increasing population and urbanization are posing significant challenges across the entire world where in some places and countries deaths in children fewer than five years are attributable to water-related causes.

The International Research Center for Water, Environment and Energy (IRCWEE), based at BAU, focuses on finding novel, sustainable and low-cost solutions for addressing water and wastewater treatment challenges for these underprivileged communities. The network consists of academics from across BAU and collaborators from universities across the world.

BAU is committed to reducing water use. Water savings are achieved by using water-efficient operating plant and equipment in BAU buildings, encouraging staff and students to be smart about water use, and by recalculating water used for heating our buildings. BAU has adopted its own policy regarding water reuse and wastewater treatment which led also to rely on and using treated water in many areas at BAU.

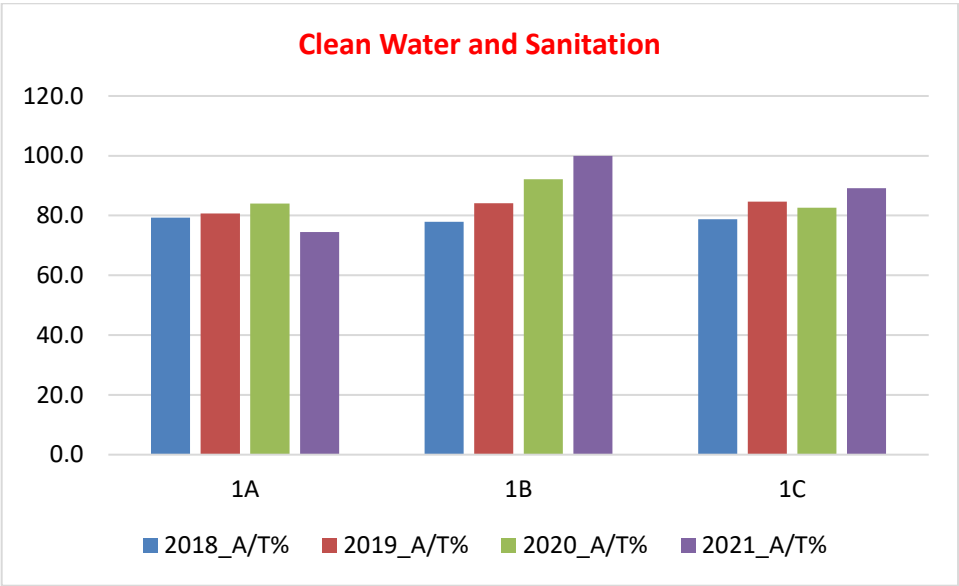
Among these, BAU is seeking to achieve 6th goal (Clean water and sanitation). Hence, BAU took innovative steps toward water conservation. These steps include regulations, guidance, and real applications. Also, BAU used these interventions for education and awareness activities. Below is a brief list of these interventions with the aim of water conservation:

- 1) Complete functional wastewater collecting systems within all campuses with deep pipelines and sealed manholes all working by gravity – zero energy consumption.
- 2) Complete water supply system within all campuses including central reservoirs, terminal tanks all working with gravity – zero energy consumption (main reservoir is elevated and receives pressured water from the water utility company).
- 3) Complete storm water harvesting system with limited reuse. However, BAU is working on expanding the reuse to save conventional water resources.
- 4) Water quality conservation by separating sewage from domestic networks, as well as rainwater from both resources.
- 5) Additional conservation includes efficient water use guidance and awareness activities.
- 6) Water conservation is expanded to include remote facilities such as university research stations. Rainwater harvesting for water reuse (Agriculture research station).

BAU has set many sub goals to achieve Sustainable management of water and sanitation at BAU and Jordan and these goals can be shortlisted as follow:

1. BAU Commitment toward supporting and encouraging scientific research on clean water and sanitation.
2. Establishing scientific research centers in the field of sustainable management of water and sanitation.
3. Increasing dependence on treated water for different purposes.
4. Conservation quality and quantity of water.
5. Establishing a scientific Center for water, energy, and environment.

Code	Sub-Goal
A	Scientific research on clean water and sanitation
B	Increasing dependence on treated water for different university purposes
C	Conservation of quality and quantity of water



Ensure Access to Ensure Access to Affordable, Reliable, Sustainable and Modern Energy:



According to the United Nations (UN) Sustainable Development Goals (SDGs), also known as the Global Goals, that were adopted by all nations as a universal call to protect the planet and ensure that all people enjoy peace and prosperity by 2030, where governments, businesses, media, institutions of higher education, and local NGOs, are sharing the responsibility to achieve them. BAU is seeking to achieve 7th goal (affordable and clean energy) through multi energy-saving policies to reduce its power consumption.

Al-Balqa Applied university (BAU) is a member of United Nations Academic Impact (UNAI) and adopts a sustainable continuous improvement policy, that aims to implement SDGs in all strategic and action plans through a lot of initiatives, projects, and programs.

With the growing concerns regarding global warming and climate change relationships with carbon-based fossil fuel, BAU Has taken upon its responsibility using new and effective mean of sustainable energy. BAU realizes the importance of development and modernization in energy dependence processes. BAU is fully committed to reducing carbon emissions from its facilities and reducing carbon dioxide production. Al-Balqa University participates in many research projects that aim to reduce carbon emissions.

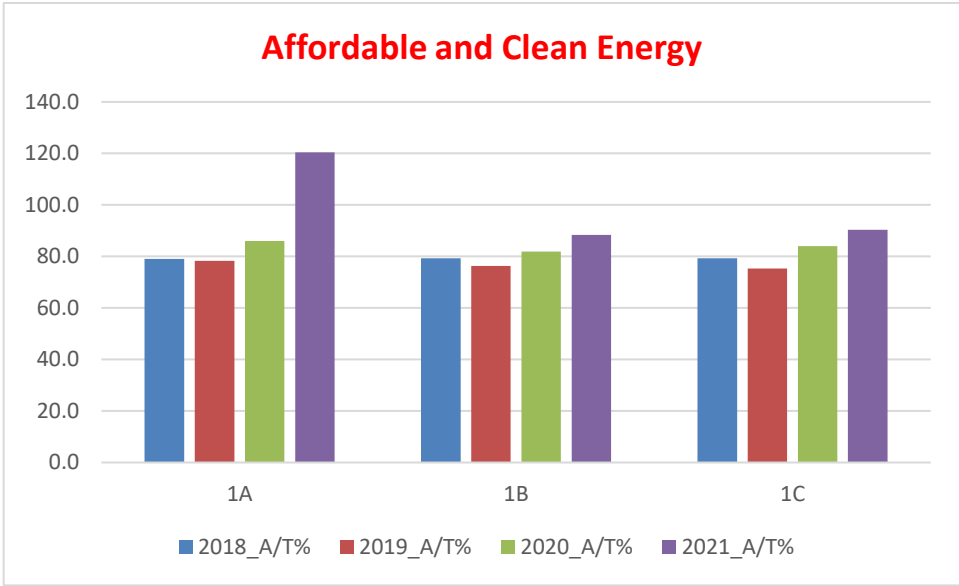
BAU establishes measures that will assist in the battle against harms of climate change and to reducing emissions and providing a clean environment and seek to achieve the 7th SDG requirements to reduce emissions and provide a clean environment, BAU through the concerned departments mainly Engineering Department, has focused on giving this issue the utmost importance, which has been reflected through the smart buildings that have been implemented on the campus in recent years and taking the following requirements into consideration:

- Automation
- Safety (Firefighting Systems)
- Energy (Monitoring, Management)
- Water (Monitoring and Recovery)
- Indoor environment (Air quality, Passive cooling)
- Lighting (high efficiencies devices and equipment, natural lighting)

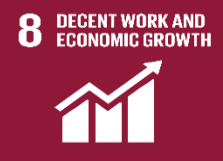
BAU has set many goals to ensure access to affordable, reliable, and sustainable energy at BAU and Jordan and these goals can be shortlisted as follow:

1. BAU Commitment toward supporting and encouraging scientific research on competitive low carbon energy.
2. Establishing scientific research centers in the field of clean energy.
3. Increasing dependence on clean energy.
4. Reduction of carbon emission.
5. Increase energy efficiency.

Code	Sub-Goal
A	Scientific research for affordable and clean energy
B	Increasing dependence on clean energy
C	Reduction of carbon emission



Promote Sustained, Inclusive and Sustainable Economic Growth, Full and Productive Employment and Decent Work for All:



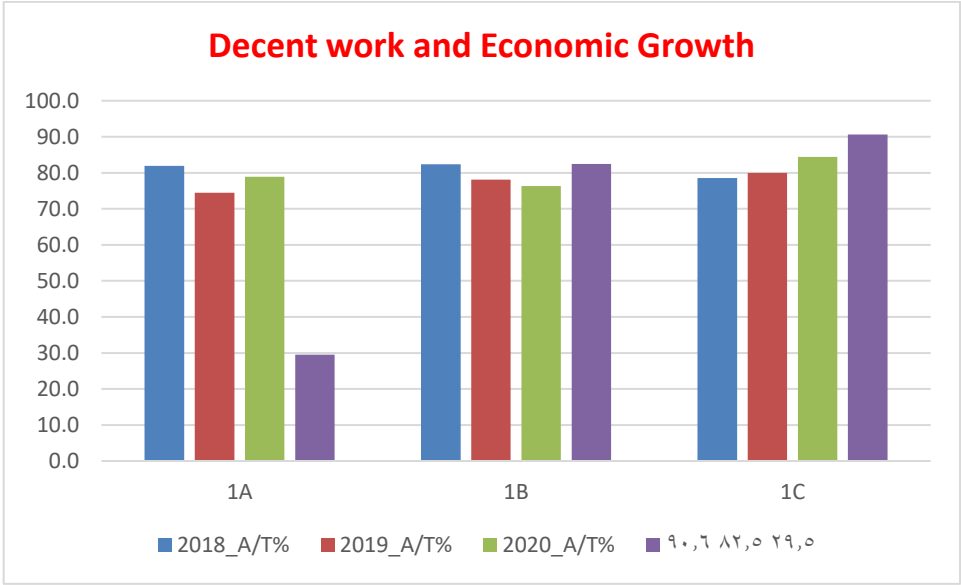
The sustainable developmental goals aim to promote sustained economic growth, higher levels of productivity and technological innovation. Encouraging entrepreneurship and job creation are key to this, as are effective measures to eradicate forced labor, slavery, and human trafficking. With these targets in mind, the goal is to achieve full and productive employment, and decent work, for all women and men by 2030.

The need to promote and support Jordans' economy and generate higher rate jobs is undeniable. BAU plays significant role in business Structure and creation of jobs in Jordan. A clear focus on commercializing the research conclusions of BAU researchers has a direct impact on business Structure and creation of jobs in Jordan. BAU has the responsibility to educate accountable, moral, and ethical leaders.

BAU has set many goals to ensure decent and well-mannered work for all and promote sustained economic growth at BAU and Jordan and these goals can be shortlisted as follow:

1. Supporting scientific for decent work and economic growth.
2. Application of good employment practices.
3. Commitment against forces labor, modern slavery, human trafficking, and child labor.
4. Adopting special policies and guidelines which help promoting decent work.
5. Establishing development and quality assurance center.

Code	Sub-Goal
A	Scientific research for decent work and economic growth.
B	Application of good employment practices.
C	Commitment against forced labor, modern slavery, human trafficking, and child labor.



Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation:



Investment in infrastructure and innovation are crucial drivers of economic growth and development. With over half the world population now living in cities, mass transport and renewable energy are becoming ever more important, as are the growth of new industries and information and communication technologies.

Technological progress is also key to finding lasting solutions to both economic and environmental challenges, such as providing new jobs and promoting energy efficiency. Promoting sustainable industries, and investing in scientific research and innovation, are all important ways to facilitate sustainable development.

The flexibility and resilience of lifeline networks like transportation, electricity, and water is vital and crucial in enabling societies to recuperate quickly after a disaster. BAU has established its' own Center for Innovation and Entrepreneurship which offers a wide range of entrepreneurship, innovation and commercialization programs that support BAU students and staff to grow their entrepreneurial minds and abilities. BAU Center for Innovation and Entrepreneurship has a major and crucial role in the significant growth in student's participation in entrepreneurship programs.

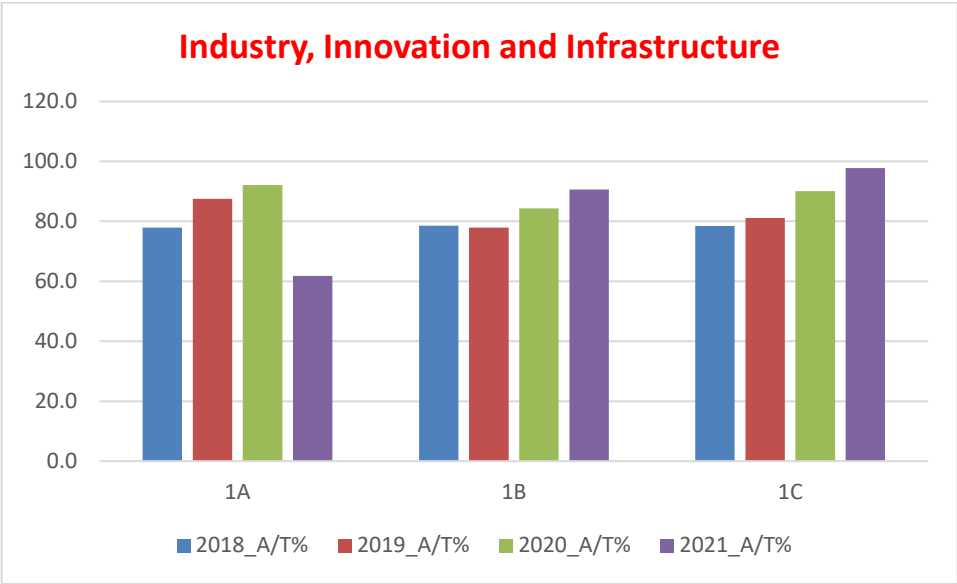
BAU connects governments and industry with leading BAU researchers to develop actual, operative, and successful solutions that address real-world challenges through its programs. One of these programs is Faculty for Industry in which a researcher in a specific field helps a company in the field of innovation and creation of new services and products in response to the demands of the markets and sustainable industrialization needs.

In reaction to the COVID-19 pandemic BAU has applied a many procedures, online courses, and workshops on different subjects to its population and local community. The subjects were about how we were restricted in our work, how food systems and food security is affected by COVID-19, whether there is something like COVID-smart agriculture, how to combine COVID-19 smart and climate smart agriculture and finally whether COVID-19 activities are a climate smart and/or green activities.

BAU has set many goals to ensure Building resilient infrastructure, and promoting sustainable industrialization and fostering innovation at BAU and Jordan and these goals can be shortlisted as follow:

1. Supporting and sustaining scientific research on resilient infrastructure, sustainable industrialization, and foster innovation.
2. Establishing Specialized Center Named BAU Center for Innovation and Entrepreneurship.
3. Increase university research income.
4. Increase number of patents by university researchers.

Code	Sub-Goal
A	Scientific research on Industry, Innovation, and Infrastructure.
B	Increase university research income.
C	Increase number of patents by university researchers.





Reduce Inequality Within and Among Countries:

Income inequality is on the rise—the richest 10 percent have up to 40 percent of global income whereas the poorest 10 percent earn only between 2 to 7 percent. If we consider population growth inequality in developing countries, inequality has increased by 11 percent. Income inequality has increased in nearly everywhere in recent decades, but at different speeds. It's lowest in Europe and highest in the Middle East.

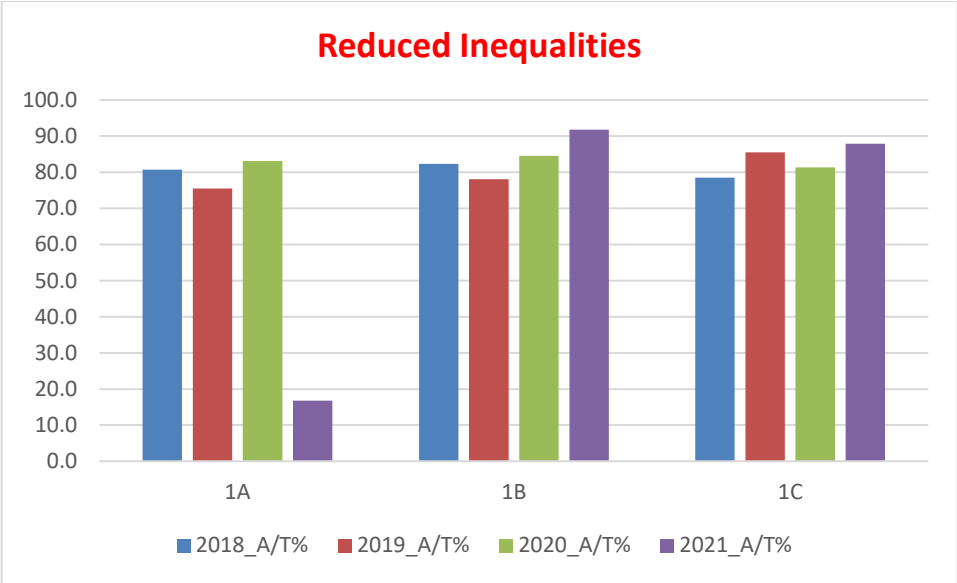
In its commitment to meet its responsibilities to achieve equity outcomes, BAU has designed procedures and guidelines to increase access to undergraduate study for students from low socioeconomic backgrounds or refugee backgrounds. Under these procedures, the University reserves several places for students under each category, who can apply via the process specified. BAU has established Development and Local Community Service Unit which has the responsibility to find the procedure to reduce inequality within the local community and this is achieved by many previously designed programs.

As refugee's numbers are increasing in Jordan, BAU remains dedicated and committed toward providing equal opportunities for students from refugee backgrounds. BAU has procedures, processes, and guidelines in place to support and engage these students and collaborates with external and internal organizations to help students from refugee backgrounds with admission processes and academic, disability and health support. BAU has also set up scholarships specifically (Through its internal and external partnerships) for refugee students to help them meet their academic aspirations during their settlement in their new life Journey.

BAU has set many goals through its commitment toward reducing inequality within and among countries and these goals can be shortlisted as follow:

1. Supporting and increasing scientific research regarding reduced inequalities.
2. Establishment of Development and Local Community Service Unit.
3. Supporting underrepresented groups.
4. Supporting Refugees at Jordan and BAU.

Code	Sub-Goal
A	University scientific research on reduced inequalities
B	University support for underrepresented groups
C	Achieve university environment free of discrimination at all levels



Make Cities and Human Settlements Inclusive, Safe, Resilient and Sustainable:



BAU is committed toward moving to green buildings. This is clear through the new buildings constructed recently that have many characteristics which provide natural lighting through the glass domes centralized at the building and LED lighting, also the architectural style used a high number of double glass windows that allow natural day-lighting and promotes natural ventilation in university buildings

In other hand, BAU is committed to follow the guidelines of the ministry of public works and housing, regarding the implementation of green buildings metrics, which built in such manner that reduces the need for artificial conditioning (presence of extended concrete surfaces which make shadows over parts of the building).

BAU renovated many buildings, the renovation includes natural ventilation, LED lighting, Water savings faucet, Smart building (automatic door & finger print), and metal cladding

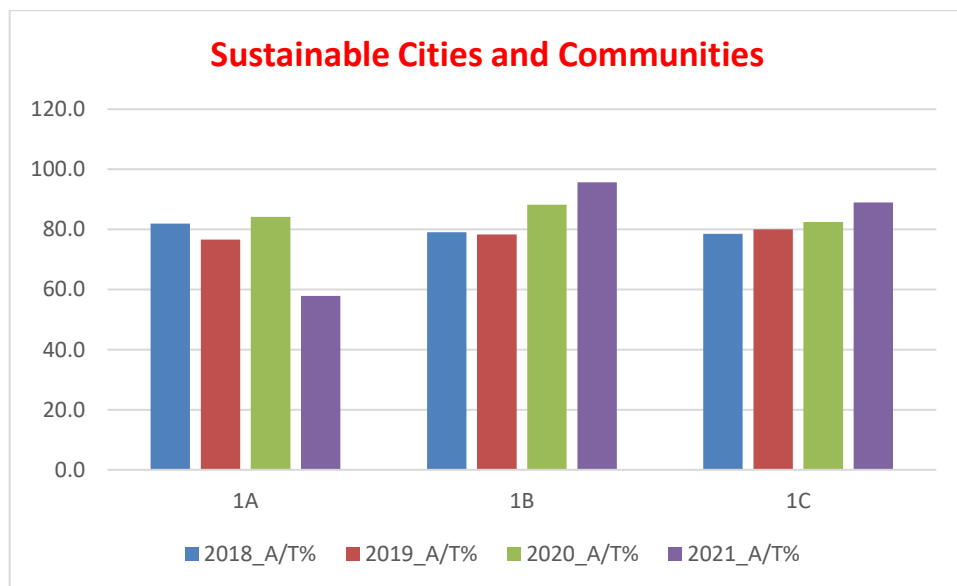
BAU signed a cooperation agreement with the Jordanian Green Building. And it is committed to Supporting the use of sustainable transportation system and encourages staff and students to use active modes of transport, such as walking and public transport and BAU started a plan to reduce the parking area in a step to encourage both staff and students to use walking and public transport. Also, BAU request a big charge from those want to use university parking so encouraging them to leave their own vehicles and use other means of public transportation.

BAU restoration of Jordan's oldest mosque (Al-Husseini) is a true example of art heritage serving the community, it completed the restoration of the mosque's interior in a record 54 days during an unprecedented world pandemic. The mosque holds unique significance to Jordan's history, culture, and spiritual identity. The project consumed 5620 work hours and showcases great craftsmanship. A joint team of artisans, academics, historians, and vocational and technical students collaborated to restore the mosque's interior. Artisans utilised traditional joinery, Arabesque, mosaic and wood carving techniques. They lined the mosque's facades with hand-carved wood panels, reconstructed and decorated the minbar with over 3000 hand-crafted wooden pieces, and adorned the mosque's columns with handmade Zellig tiles. BAU's artistic restoration of Al-Husseini mosque affirms art's role in unifying the historic, the national and spiritual identity of the Jordanian community, and confirms BAU's skills and expertise in a rare art form.

BAU has set many goals through its commitment toward Make Cities and Human Settlements Inclusive, Safe, Resilient and Sustainable and these goals can be shortlisted as follow:

1. Supporting scientific research on sustainable cities and communities.
2. Establishing an electronic library.
3. Provide free access to BAU library for the community.
4. Providing free accessibility for the community to the university building and resources.

Code	Sub-Goal
A	University Scientific research on sustainable cities and communities.
B	Provide library free access to the community.
C	Provide building free access to the public.



Ensure Sustainable Consumption and Production Patterns:

Achieving economic growth and sustainable development requires that we urgently reduce our ecological footprint by changing the way we produce and consume goods and resources. Agriculture is the biggest user of water worldwide, and irrigation now claims close to 70 percent of all freshwaters for human use.

The efficient management of our shared natural resources, and the way we dispose of toxic waste and pollutants, are important targets to achieve this goal. Encouraging industries, businesses, and consumers to recycle and reduce waste is equally important, as is supporting developing countries to move towards more sustainable patterns of consumption by 2030.

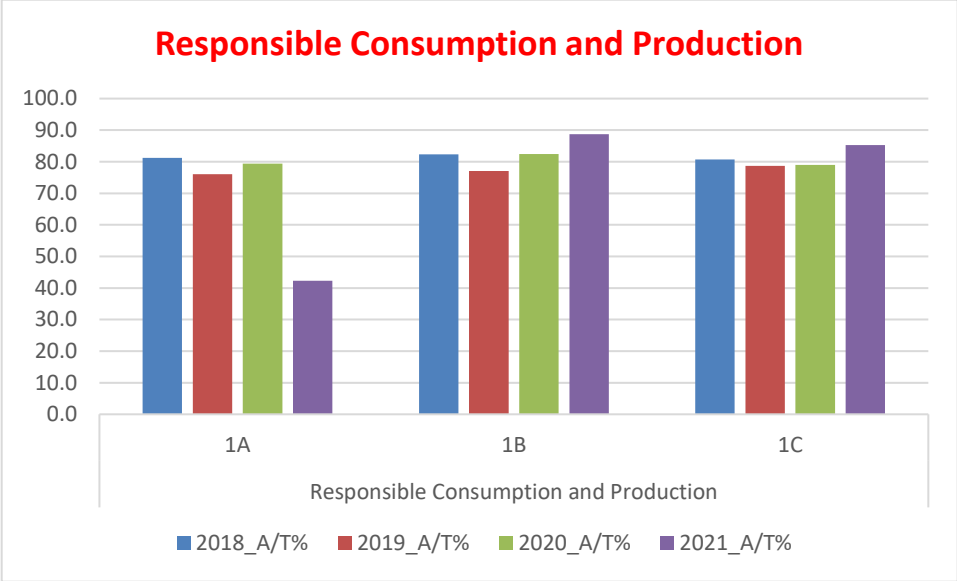
Regarding Power and water, all BAU developments have sustainable design and building principles. The library and faculty of Information Technology Building are excellent examples of sustainable design. The high-tech façade design with double glazing and sophisticated energy-efficient heating and cooling systems minimizes heating and cooling requirements and comprehensive metering tracks and corrects inefficient use of energy and water.

BAU introduced the term 'corona-smart agriculture' with the other term 'climate smart' agriculture in mind. BAU focuses on many ideas as continuation of food production while minimizing the spread of corona, more production of nutritious food to help the human immune system (BAU developing a beekeeping project and increasing the number of hives to become 85), promotion of self-sufficiency, rationalizing water consumption, and promotion of local supply chains and home gardening.

BAU has set many goals through its commitment toward Ensuring Sustainable Consumption and Production Patterns and these goals can be shortlisted as follow:

1. University scientific research on Responsible consumption and production.
2. Application of ethical sourcing of food and supplies at the university.
3. Adopting special policies for ethical sourcing at all university campuses.

Code	Sub-Goal
A	University scientific research on Responsible consumption and production
B	application of ethical sourcing of food and supplies at the university
C	minimization of plastic use



Take Urgent Action to Combat Climate Change and Its Impacts:



BAU is building environmental and climate literacy for all students to prepare them for tomorrow to further understand climate change impacts, mitigation measures, and adaptation. Several academic programs at undergraduate, graduate and post graduate levels started to incorporate climate variability and change concepts and applications. For example, civil engineering program, water resources management program, water treatment engineering program, smart buildings program, renewable energy technologies program, water resources and environmental management program and disaster management program. This incorporation is evident in the curricula in the concerned programs. Moreover, several research labs and research groups are focusing on renewable energy in terms of technology as well as management tool to alleviate greenhouse gases emissions. However, most efforts are focusing on the adaptation rather than modeling climatic scenarios. In fact, at least one major course (Environment and Society) is compulsory course for all students of the university to provide them with basic knowledge and ensure minimum awareness level.

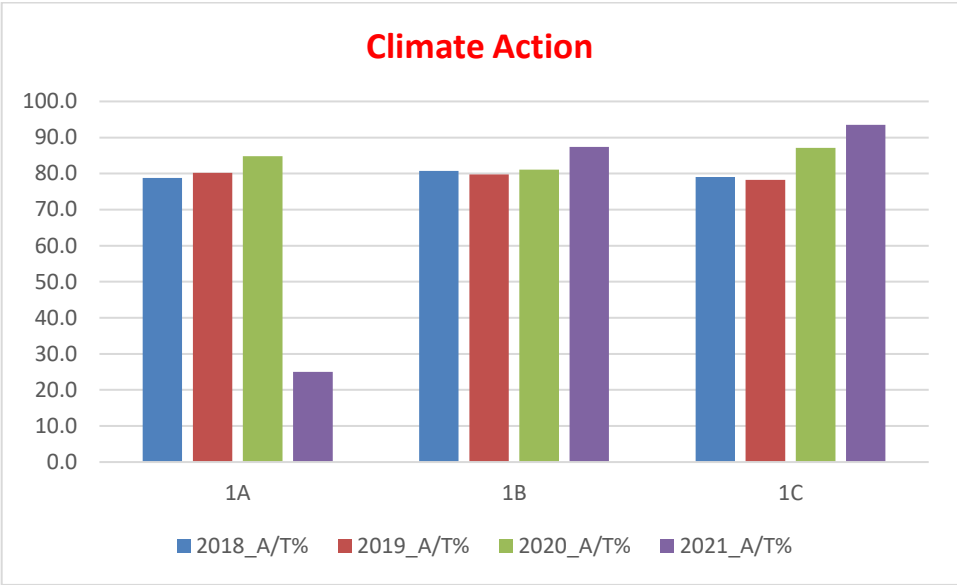
On the other hand, other programs and research activities focus on the qualitative aspects of climate variability and change. For example, water pollution, solid waste engineering and management, soil deterioration, land degradation, biodiversity, and finally the most dominant challenge in Jordan and the region salinization.

BAU also supports governmental institutes and regulators to set up to date standards for water quality, air quality, and water reuse.

BAU has set many goals to show its commitment toward taking Urgent Action to Combat Climate Change and these goals can be shortlisted as follow:

1. Supporting university scientific research on climate change.
2. Increase dependence on low carbon energy.
3. Increase environmental education collaboration with nongovernmental and governmental organizations.

Code	Sub-Goal
A	University scientific research on climate action.
B	Increase the dependence on low carbon energy.
C	Increase environmental education collaboration with NGO.



Conserve and Sustainably Use the Oceans, Sea and Marine Resources for Sustainable Development:



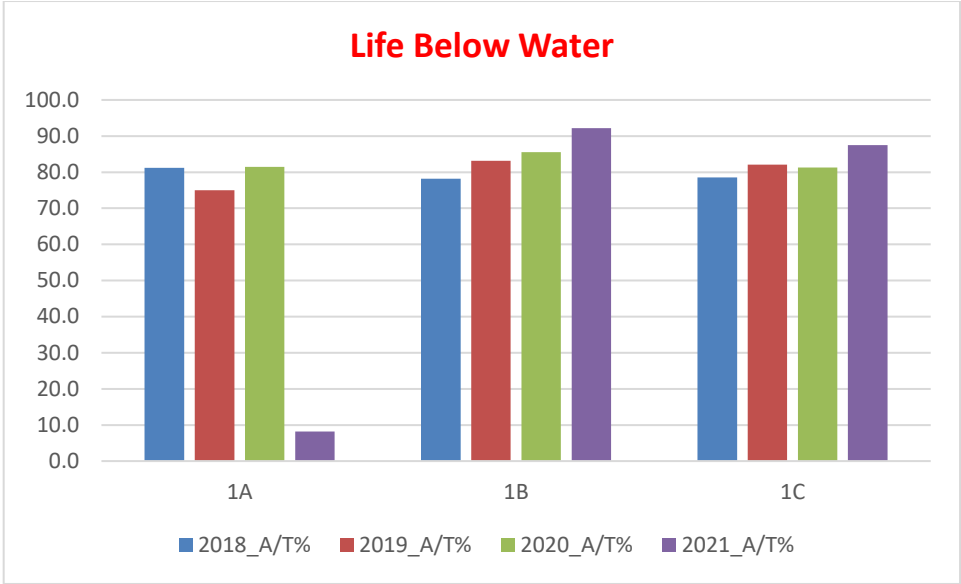
Over three billion people depend on marine and coastal biodiversity for their livelihoods. However, today we are seeing 30 percent of the world's fish stocks overexploited, reaching below the level at which they can produce sustainable yields. Oceans also absorb about 30 percent of the carbon dioxide produced by humans, and we are seeing a 26 percent rise in ocean acidification since the beginning of the industrial revolution. Marine pollution, an overwhelming majority of which comes from land-based sources, is reaching alarming levels, with an average of 13,000 pieces of plastic litter to be found on every square kilometer of ocean.

With a growing global population expected to reach 9.1 billion in 2050 and the increasing impacts of climate change, sustainable use of water and ecosystems for food security is a great challenge. It is important to gain a better understanding of the functioning of terrestrial and aquatic ecosystems and their interrelation with the availability and quality of water. Climate change impacts on ecosystems and thereby on water and food security are highly uncertain, and most forecasting scenarios suggest greater vulnerability to damage, reduced ecosystem services, and undermined resilience. BAU has adopted its own policy for Food from Aquatic Ecosystems which has the objective to provide foods at university without compromising the ability of the future generations to meet their needs. Also, it aims to save the biodiversity which will help in maintaining marine sustainability.

BAU has set many goals to show its commitment toward Conserving and Sustainably Use the Oceans, Sea and Marine Resources for Sustainable Development and these goals can be shortlisted as follow:

1. Supporting scientific research in the fields of life below water.
2. Support sustainable fisheries.
3. Fighting overfishing.

Code	Sub-Goal
A	University research on life below water
B	Support sustainable fisheries
C	Fighting overfishing



Protect, restore, and promote sustainable use of terrestrial ecosystems:



BAU has dedicated itself to encourage natural resources management through the implementation many research project related conservation. Conservation of plant genetic resources attracts more and more public interest as the only way to assurance satisfactory food supplies for future human generations. However, the loss of biodiversity due to exploitation of natural populations, harvest without permits from the wild, natural hazards, cultural, political and economic issues, pose a great risk to plant genetic resources. A number of research projects have employed and supported by Al-Balqa Applied University for conservation many plants. Al-Balqa Applied university has given high priority to conservation and sustainable use of biodiversity components, in view of its position in a region of uncertain political condition, the climatic conditions, and the country's rapid development and urbanization that have led to habitat fragmentation and ecosystem degradation. BAU conducted many research or ex situ (field) and in situ conservation of specific crops' wild relatives and land races.

For example, conservation of, grape, almond, fig and many medicinal herbal plants. Classical (slow growth) in vitro conservation methods have been established for a varied range of species, including almond, grape, date palm and many important medicinal plants. Slow growth conservation is used for the conservation of those important plants. A successful multiplication system through the use of tissue culture is necessary for producing a satisfactory root system on the in vitro plantlets at Al-Balqa Applied university have adopted for many plant for long term conservation. One of the promising germplasm conservation technologies is the cryopreservation of vitrified apices. Cryopreservation procedures have been developed more than ten important plant species for long term conserved at Al Balqa Applied university. However, the number of plant species stored in vitro is constantly improved as the preservation techniques are being developed and applied Al-Balqa Applied University developed many cryopreservation procedures. cryopreserved storage of in vitro shoot tips of almond and many plant species have adopted. Therefore, the goal of many study was to use the in vitro propagation of and potential long term storage (cryopreservation) through different cryopreservation methods were adopted.

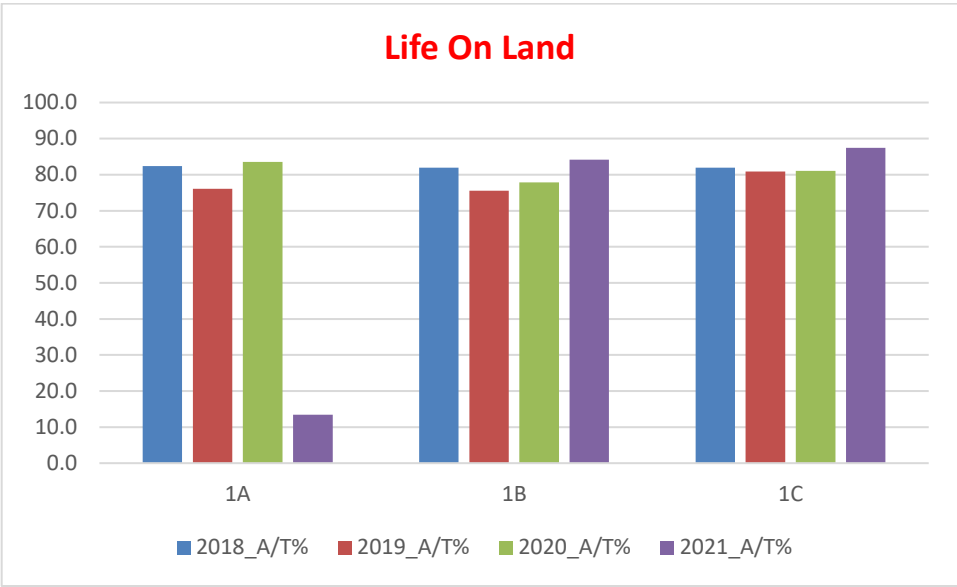
Also, the university has many research stations and productive farms that include various types of fruit trees, vegetables, livestock, such as Princess Tasnim Station, which allow implementation of local and international projects, transferring international experiences, adoption of best practices and researches which related to achieving food and agricultural security, BAU sells its farms products to the local community with affordable prices.

In addition to that, the university has large protected natural areas that reserve plants and animal's genetic assets, and has ecosystems contain medical plants, wild animals and birds' shelters, which are monitored and protected from hunting, interference, aggression, and other types of human intervention.

BAU has set many goals to show its commitment toward Protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss and these goals can be shortlisted as follow:

1. University scientific research for life on land.
2. Support and organize events aimed to promote conservation and sustainable utilization of the land including forests and wild lands.
3. Maintain and extend current ecosystems biodiversity.

Code	Sub-Goal
A	University scientific research for life on land
B	Support or organize events aimed to promote conservation and sustainable utilization of the land including forests and wild land
C	Maintain and extend current ecosystems biodiversity



Peace, Justice and Strong institutions:



We cannot hope for sustainable development without peace, stability, human rights, and effective governance, based on the rule of law. Yet our world is increasingly divided. Some regions enjoy peace, security, and prosperity, while others fall into seemingly endless cycles of conflict and violence. This is not inevitable and must be addressed.

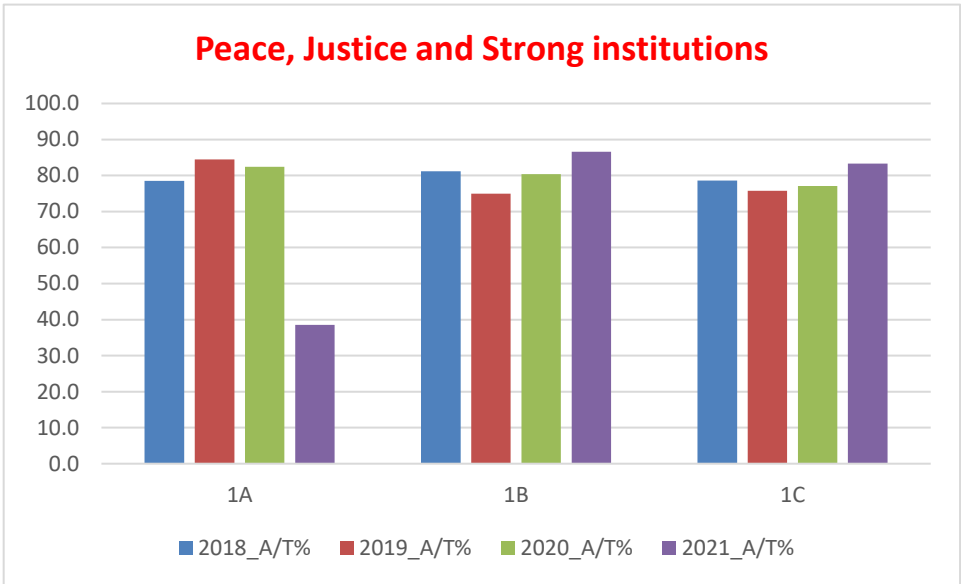
The SDGs aim to significantly reduce all forms of violence, and work with governments and communities to end conflict and insecurity. Promoting the rule of law and human rights are key to this process, as is reducing the flow of illicit arms and strengthening the participation of developing countries in the institutions of global governance.

Al-Balqa Applied University honors itself in diversity and equity for all community members and believes in concepts of peace and justice. This is both the recognition of loss and pain, and the recognition that as that pain lifts over time we look towards new hope-filled early development for firstly other and then ourselves.

BAU has set many goals to show its commitment to promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable, and inclusive institutions at all levels and these goals can be shortlisted as follow:

1. University scientific research on peace, justice, and strong institutions.
2. Support and recognize students' unions.
3. University commitment against corruption and bribery.

Code	Sub-Goal
A	University scientific research on peace, justice, and strong institutions
B	Support and recognize students' unions
C	University commitment against corruption and bribery



Partnership for the Goals:

BAU is supporting SDGs by its membership in United Nations Academic Impact (UNAI), and adopts a sustainable continuous improvement policy through its efforts in developing regulations, national strategies and frameworks and planning for future of education.

As well as, BAU manage their partnerships by the Cooperation and International Relations Office (CIRO) to explore, develop, foster and manage its local and international engagements in a manner that reflects and furthers the university's strategic objectives, and it has a business model support stakeholder engagement strategy to ensure the widest participation from all government/NGOs and private sector in the SDGs implementation.

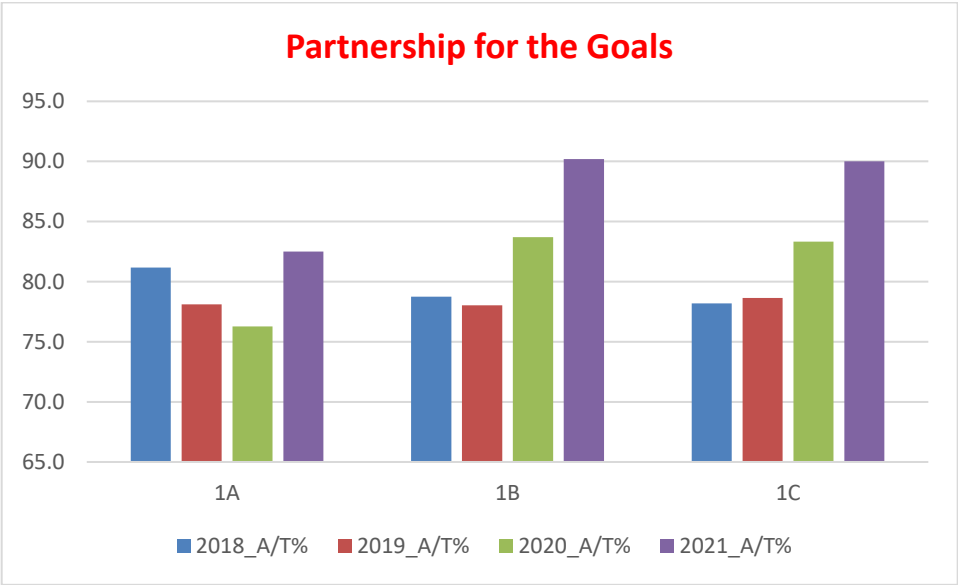
The stakeholder engagement strategy also took into account the universities role on facing community's challenges and problems, by meaningful participation with government/NGOs through a variety of fora including conferences, taskforce meetings, workshops, focus groups and debates, The strategy has fruited a number of collaborative agreements with national (Jordanian Ministries, public and private sector, Universities and research centersect) and international organizations (Dutch institute, GIZ, KOICA, UFZ,ect), as well as initiatives and programs in various sectors in Jordan and world.

BAU contributes to developing policies in cooperation with governmental and NGOs through its representation in different steering committees (national, regional and international), which are directly related to SDGs adopted by the UN, BAU also participates in many conferences, dialogues and workshops, as well as preparing and publishing joint reports that include different data, these data are analyzed and presented in a way that helps governments and leaders to make appropriate decisions in the field of community development. (Economically, socially and environmentally) and solving it problems.

BAU goals to Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development:

1. Building national and international partnerships for supporting SDGs.
2. Increase international collaboration data gathering for SDGs.
3. Having commitment to meaningful education around the SDGs across the university.

Code	Sub-Goal
A	Building National and international Partnerships for Supporting SDGs
B	Increase international collaboration data gathering for SDGs
C	Having a commitment to meaningful education around the SDGs across the university



List of agreement with AL Balqa Applied University

No	Agreement Name	Starting Date	Partner name	Country	Scope of Work
1	Studies in The school for Advanced Restoration & Conservation	2015	The school for Advanced Studies in Conservation & Restoration	Italy	Cooperative
2	وزارة الاتصالات وتكنولوجيا المعلومات	2015	وزارة الاتصالات وتكنولوجيا المعلومات	Jordan	Cooperative
3	جمعية مؤسسة زياد المناصير الخيرية	2015	جمعية مؤسسة زياد المناصير الخيرية	Jordan	Cooperative
4	الشركة العربية لإدارة النفايات الصحية	2015	الشركة العربية لإدارة النفايات الصحية	Jordan	Cooperative
5	Staffordshire University	2015	Staffordshire University	UK	Cooperative
6	Zentrum – UFZ– Helmholtz	2015	Zentrum – UFZ– Helmholtz	Germany	Conference
7	University of Jakarta	2015	University of Jakarta	Indonesia	Cooperative
8	وزارة الصحة	2015	وزارة الصحة	Jordan	Cooperative
9	أكاديمية الشرق الأوسط للطيران	2015	أكاديمية الشرق الأوسط للطيران	Jordan	Cooperative
10	Normal University Ningxia	2015	Normal University Ningxia	China	Cooperative
11	Milla Islamia University Jamia	2015	Milla Islamia University Jamia	India	Cooperative
12	door energy limited Yellow	2016	door energy limited Yellow	Jordan	Cooperative
13	The University of Guelph	2016	The University of Guelph	Canada	Cooperative
14	De Compostela University Santiago	2016	De Compostela University Santiago	Spain	Exchange
15	سلطة وادي الأردن	2016	سلطة وادي الأردن	Jordan	Research
16	Friendship University Peoples	2016	Friendship University Peoples	Russia	Cooperative

No	Agreement Name	Starting Date	Partner name	Country	Scope of Work
17	مؤسسة التدريب المهني	2016	مؤسسة التدريب المهني	Jordan	Cooperative
18	University of Applied Sciences - Piraeus	2016	University of Applied Sciences - Piraeus	Greek	Exchange
19	شركة الرام للصناعات الدوائية	2016	شركة الرام للصناعات الدوائية	Jordan	Cooperative
20	شركة حسيب الصباغ	2016	شركة حسيب الصباغ	Jordan	Cooperative
21	جامعة الحسين بن طلال	2016	جامعة الحسين بن طلال	Jordan	Cooperative
22	جامعة جدانسك البولندية	2016	جامعة جدانسك البولندية	Poland	Cooperative
23	شركة الكرك الدولية	2017	شركة الكرك الدولية	Jordan	Cooperative
24	جامعة مؤتة	2017	جامعة مؤتة	Jordan	Cooperative
25	البنك الأهلي	2017	البنك الأهلي	Jordan	Infra structure
26	الجامعة الألمانية	2017	الجامعة الألمانية	Jordan	Cooperative
27	وزارة تطوير القطاع العام	2017	وزارة تطوير القطاع العام	Jordan	Cooperative
28	الشركة الأردنية لخدمات الهواتف - ZAIN	2017	الشركة الأردنية لخدمات الهواتف - ZAIN	Jordan	Cooperative
29	شركة راية الأردن للتجارة والتسويق	2017	شركة راية الأردن للتجارة والتسويق	Jordan	Infra structure
30	صندوق الملك عبد الله للتنمية	2017	صندوق الملك عبد الله للتنمية	Jordan	Cooperative
31	Conservatoire National des Arts Le et métiers	2017	Conservatoire National des Arts et métiers Le	france	Cooperative
32	سلسلة مطاعم وأفران طربوش	2017	سلسلة مطاعم وأفران طربوش	Turkey	Cooperative
33	Information Society Agency National	2017	Information Society Agency National	Korea	Cooperative

No	Agreement Name	Starting Date	Partner name	Country	Scope of Work
34	شركة ماغما للصناعات الهندسية	2017	شركة ماغما للصناعات الهندسية	jordan	Cooperative
35	مجموعة العملاق الصناعية	2017	مجموعة العملاق الصناعية	Jordan	Cooperative
36	مؤسسة فوق المعرفة للتطوير والتدريب	2017	مؤسسة فوق المعرفة للتطوير والتدريب	Jordan	Cooperative
37	وزارة الاتصالات وتكنولوجيا المعلومات	2017	وزارة الاتصالات وتكنولوجيا المعلومات	Jordan	Cooperative
38	الائتلاف الاستشاري (فينيقيا لخدمات النقل البحري والكابتن لاستشارات النقل البحري)	2017	الائتلاف الاستشاري (فينيقيا لخدمات النقل البحري والكابتن لاستشارات النقل البحري)	Jordan	Cooperative
39	منظمة شركاء للأفضل	2017	منظمة شركاء للأفضل	Jordan	Cooperative
40	مؤسسة سكة الحديد	2017	مؤسسة سكة الحديد	Jordan	Cooperative
41	De Arte Y SUPERIOR DE Escuela DISENO ANTONIO FAILDE	2017	Escuela De Arte Y SUPERIOR DE DISENO ANTONIO FAILD	Spain	Exchange
42	Berghof Foundation	2017	Berghof Foundation	Germany	Cooperative
43	غرفة تجارة السلط	2017	غرفة تجارة السلط	Jordan	Cooperative
44	شركة الرواد للنشر والتوزيع	2017	شركة الرواد للنشر والتوزيع	Jordan	Cooperative
45	Hradec Králové University	2017	Hradec Králové University	czech	Cooperative
46	Do Minho Universidade	2017	Do Minho Universidade	Portugal	Exchange
47	غرفة صناعة عمان	2017	غرفة صناعة عمان	Jordan	Cooperative
48	Universidade Do Minho	2017	Universidade Do Minho	Portugal	Exchange
49	شركة زين الدولية للاستشارات والتدريب	2017	شركة زين الدولية للاستشارات والتدريب	Jordan	Training
50	IREX	2017	IREX	Jordan	Cooperative
51	نقابة أصحاب المهن الميكانيكية	2017	نقابة أصحاب المهن الميكانيكية	Jordan	Cooperative

No	Agreement Name	Starting Date	Partner name	Country	Scope of Work
52	Staffordshire University	2017	Staffordshire University	uk	Exchange
53	Orange	2017	Orange	Jordan	Cooperative
54	De Santiago University	2017	De Santiago University	Spain	Exchange
55	Van Yüzüncü Yıl University	2018	Van Yüzüncü Yıl University	Turkey	Cooperative
56	Karabuk University	2018	Karabuk University	Turkey	Cooperative
57	Istanbul Aydın University	2018	Istanbul Aydın University	Turkey	Exchange
58	سلطة منطقة العقبة الاقتصادية	2018	سلطة منطقة العقبة الاقتصادية	Jordan	Cooperative
59	The Mehmet Akif Ersoy University.	2018	The Mehmet Akif Ersoy University.	Turkey	Exchange
60	Balıkesir Üniversitesi	2018	Balıkesir Üniversitesi	Turkey	Exchange
61	Technical University of National Athens	2018	Technical University of Athens National	Greece	Exchange
62	شبكة التعاون ما بين الجامعات الأردنية والجامعات الأمريكية في مجالات التنمية المستدامة والتعاون العلمي والأكاديمي.	2018	شبكة التعاون ما بين الجامعات الأردنية والجامعات الأمريكية في مجالات التنمية المستدامة والتعاون العلمي والأكاديمي	USA	Cooperative
63	Euro Mediterranean University	2018	Euro Mediterranean University	Portugal	Exchange
64	The United Nation	2019	The United Nation	USA	Cooperative
65	Arad University	2019	Arad University	Romania	Exchange
66	Technological Education Institute of Crete	2019	Technological Education Institute of Crete	Greece	Exchange
67	University of Palermo	2019	University of Palermo	Italy	Exchange

No	Agreement Name	Starting Date	Partner name	Country	Scope of Work
68	Stratford University	2019	Stratford University	UK	Exchange
69	مديرية حماية الملكية الصناعية والمنظمة العالمية للملكية الفكرية / وزارة الصناعة والتجارة والتموين	2019	مديرية حماية الملكية الصناعية والمنظمة العالمية للملكية الفكرية / وزارة الصناعة والتجارة والتموين	Jordan	Cooperative
70	Huawei Technology	2019	Huawei Technology	JORDAN	Cooperative
71	وزارة الاتصالات وتكنولوجيا المعلومات	2019	وزارة الاتصالات وتكنولوجيا المعلومات	Jordan	Cooperative
72	SPARK	2019	SPARK	Netherlands	Training
73	شركة النتاج الذهبي	2019	شركة النتاج الذهبي	Jordan	Training
74	National Institute of Technology Toyota College	2019	National Institute Technology Toyota College	Japan	Exchange
75	(Embassy of France in Jordan)	2019	(Embassy of France in Jordan)		
76	وزارة المياه والري	2019	وزارة المياه والري	Jordan	Training
77	Mitsubishi Corporation	2019	Mitsubishi Corporation	Japan	Infrastructure
78	IREX	2019	IREX	USA	Research
79	جامعة غازي عثمان باشا	2019	جامعة غازي عثمان باشا	Turkey	Exchange
80	الوكالة الألمانية للتعاون الدولي	2019	GIZ	Germany	Research
81	Mehmet bey University	2020	Mehmet bey University	Turkey	Exchange

No	Agreement Name	Starting Date	Partner name	Country	Scope of Work
82	Dimitrie Cantemir University	2020	Dimitrie Cantemir University	Romania	Exchange
83	Indian Institute of Technology - Kanpur	2020	Indian Institute of Technology - Kanpur	India	Cooperative
84	Korea International Cooperation Agency	2020	Korea International Cooperation Agency	Republic Korea	Cooperative
85	Polytechnic di Milano	2020	Polytechnic di Milano	Italy	Exchange
86	النقابة اللوجستية الأردنية	2020	النقابة اللوجستية	Jordan	Training
87	مؤسسة ولي العهد	2020	مؤسسة ولي العهد	Jordan	Cooperative
88	المجتمع العربي للمحاسبين القانونيين	2020	المجتمع العربي للمحاسبين القانونيين	Jordan	Research
89	غرفة تجارة السلط	2020	غرفة تجارة السلط	Jordan	Infra structure
90	Tallinn University of Technology	2020	Tallinn University of Technology	Estonia	Exchange

For more agreements and memorandums please follow the links bellow:

- 1- International agreements: [wan2.pdf \(bau.edu.jo\)](#)
- 2- National agreements: [lan2.pdf \(bau.edu.jo\)](#)