Sustainable Development Report

2025

Jordan University of Science and Technology

Contents

President Statement 3
Overview of the University 4
JUST Vision, Mission, and Strategic Plan 5
Overview of JUST Commitment to Sustainable Development 7
Milestones 11
SDG 1: No poverty 11
SDG 2: Zero Hunger 14
SDG 3: Good Health and Wellbeing 15
SDG 4: Quality Education 17
SDG 5: Gender Equality 19
SDG 6: Clean Water and Sanitation 21
SDG 7: Affordable & Clean Energy 24
SDG 8: Decent Work and Economic Growth 26
SDG 9: Industry, Innovation and Infrastructure 28
SDG 10: Reduce Inequalities 29
SDG 11: Sustainable Cities and Communities 31
SDG 12: Responsible Consumption and Production 33
SDG 13: Climate Action 34
SDG 15: Life on Land 36
SDG 16: Peace and Justice Strong Institutions 38
SDG 17: Partnerships for the Goals 40

President Statement

Jordan University of Science and Technology stands out as the jewel of Jordanian universities, a description crafted by the great late King Hussein, and it holds a special place in the eyes and heart of His Majesty King Abdullah II. It is an iconic symbol for education and scientific research in Jordan, and is home to an exceptional body of students, faculty and administrative staff.

Our university has become a renowned scientific center and a hub for innovation and entrepreneurship on the local, regional, and international levels. It provides the highest standards of education and implements rigorous accreditation criteria to ensure world class standards. It is for this reason that all academic programs and specialties at JUST are accredited by the most relevant prestigious accreditation agencies both nationally and internationally.

Additionally, the university places great emphasis on cultivating an enlightened generation of students, equipped with a robust set of human values, believing in the concept of good citizenship while rejecting all forms of bias and extremism. The university is also committed to promoting the concept of respect for all components of society, and empowering women and youth.

The university's strategic plan is aligned with the National Economic Modernization Vision and the Sustainable Development Goals of the United Nations. In this context, the university constantly creates new programs, enhances and transforms curricula, improves the research system, and develops the necessary infrastructure for that, including the digital infrastructure. Furthermore, the university actively works on strengthening sustainable investments and fostering partnerships with both the private and public sectors, as well as collaborating with partners in the higher education sector. Our overarching goal is to provide flexible education that aligns with contemporary needs, enhances skills and competencies, all while maintaining financial, administrative, and academic independence.

Prof. Khalid El-Salem

President of JUST

Overview of the University

The Royal High Decree was issued approving the establishment of Jordan University of Science and Technology (JUST) on September 1, 1986. At that time, the university included only six colleges: Medicine, Dentistry, Pharmacy, Nursing, Engineering, and Agriculture, forming the first academic nucleus of JUST. The university was established with the goal of specializing in applied sciences such as medicine and engineering. The late King Hussein bin Talal referred to it as the "jewel of Jordanian universities." Later, the College of Arts and Sciences, the College of Applied Medical Sciences, the College of Veterinary Medicine, and the College of Computer and Information Technology were established, along with the Graduate School, which was founded in 1997. The College of Architecture and Design was established in 2008, along with the Nano Technology Institute, the first specialized institute for nanotechnology in Jordan. Over time, the university has gained a prestigious reputation among higher education institutions locally, regionally, and globally. It has successfully added a significant number of new academic programs that meet the needs and demands of the job market and the aspirations of the community. The university operates under a number of regulatory legislations. It has a strategic plan (2022-2026) aligned with the National Economic Modernization Vision, whose first executive program (2023-2025) is now transitioning into its second phase (2026-2029), and the United Nations Sustainable Development Goals. The university plays its role in achieving these goals and executing its projects according to performance indicators of the economic modernization vision. In this context, the university continues to introduce new programs, develop curricula, and improve the research system and the necessary infrastructure, including digital infrastructure. The university also works to enhance investment and sustainable partnerships with both the private and public sectors and higher education sector partners.

The campus extends over 11 million square meters, with more than 415,000 square meters of built-up area and over 5.3 million square meters dedicated to green spaces. These include more than half a million square meters planted with over 532,000 forest trees, nearly three million square meters with almost 49,000 fruit trees, extensive gardens, and large fields for crops. JUST also relies on innovative water management solutions through its artificial lake with a capacity of 140,000 cubic meters and an earthen dam of 170,000 cubic meters, both used to

harvest and store rainwater for irrigation. Sustainability is further supported by a 15-megawatt solar power station that contribute significantly to reducing the university carbon footprint.

JUST consists of 12 colleges and one institute encompassing 66 academic departments. The university offers 48 bachelor's, 57 master's, and 2 doctoral programs, and has graduated nearly 100,000 students since its establishment, including nearly 20,000 international graduates.

The total number of students in JUST is currently 37183 including 34465 undergraduate and 2718 graduate students. There are 5232 international students representing 52 nationalities. Nearly 56% of JUST students are females.

The library serves as a cornerstone of academic life with a 12,500 square meter facility accommodating 2,500 visitors at once, housing almost 195,000 printed books, over 673,000 e-books, and providing access to 161,000 electronic journals through 58 databases. JUST has achieved significant recognition in global rankings. Several of its colleges hold prestigious international accreditations such as ABET, WFME, ASIIN, NAAB, IET, ASIC, and ACEN, reflecting its commitment to academic excellence and global quality standards.

JUST Vision, Mission, and Strategic Plan

University Vision

A world-class leader in education, knowledge creation and dissemination, and contributing to community leadership and development.

University Mission

To provide high-quality educational and research services in medical, technological, and applied fields to create and disseminate knowledge, lead and develop human communities, and foster a technological and scientific environment that stimulates excellence, creativity, and innovation through effective local and global partnerships.

Strategic Goals

There are six strategic axes, each with its own strategic objectives as follows:

1. **Strategic Axis One: Governance, Institutional Performance, Resources, and Capacity Building.** Its objectives are summarized as follows:

- Develop and enhance university management and institutional performance evaluation.
- Develop and train human resources and enhance their efficiency.
- Enhance the financial stability of the university.

2. **Strategic Axis Two: Students, Curricula, and E-Learning.** Its objectives are summarized as follows:
    - Review and develop theoretical and practical curricula.
    - Maximize the use of technology in education.
    - Create an attractive university environment for students and develop their skills and knowledge.
3. **Strategic Axis Three: Quality, Accreditations, and Local and Global Rankings.** Its objectives are:
    - Obtain local and global accreditations and apply quality standards in all academic programs.
    - Implement comprehensive quality standards for all administrative procedures and processes.
4. **Strategic Axis Four: Scientific Research, Creativity, Innovation, and Linkage with Industry.** Its objectives are:
    - Elevate and excel in scientific research.
    - Support development, excellence, creativity, and innovation.
    - Increase cooperation and networking with the industrial sector.
    - Strengthen relationships with external universities and research institutions.
5. **Strategic Axis Five: University Environment and Infrastructure.** Its strategic objectives are:
    - Provide a stable university environment that offers opportunities for success and academic excellence, along with positive values equitably and justly.

- Complete university buildings, facilities, and infrastructure while maintaining the university's heritage and operational effectiveness.

6. **Strategic Axis Six: Community Responsibility.** The strategic objectives of this axis are:
    - Increase the university's contribution to community service and the environment, building effective partnerships with various community institutions and segments.
    - Strengthen relationships and build partnerships with external entities.

Overview of JUST Commitment to Sustainable Development

Jordan University of Science and Technology (JUST) has demonstrated its commitment to sustainable development through several key initiatives:

1. The Center for Sustainable Development Studies and Technology (CSDST): This independent think tank specializes in developing strategies, conducting research, and providing consultations related to sustainable development. CSDST aims to equip decision-makers, civil society, and local and international donors with evidence-based scientific advice essential for informed policy decisions focused on sustainability.
2. Queen Rania Al-Abdullah Center for Environmental Science & Technology (QRACEST): Established to strengthen relationships between JUST and both public and private sectors, QRACEST participates in national and international efforts to achieve sustainable development. Its mandate involves preserving the environment and natural resources from improper use and pollution while balancing economic growth through education, research, and services. The center's main objectives include:
    a. Education and Training: Offering work-specific training courses, organizing seminars, and promoting effective environmental education programs across various educational levels.
    b. Research: Conducting applied research to address local environmental needs.
    c. Services and Consultation: Performing environmental audits, preparing environmental impact statements, and providing consultancy services to support local industries and governments.

3. The Center for Water Diplomacy (WDC): Inaugurated at the end of 2019, with support from the Swiss Agency for Development, this center acknowledges water as a critical component for economic growth and sustainability. Given the significant water challenges in the Middle East and North Africa, where demand surpasses available resources, the WDC aims to foster water diplomacy. Its goals include enhancing knowledge management, providing solutions to water-related issues, and studying governance mechanisms to promote equitable water sharing and peace among countries sharing transboundary water resources.
4. Climate Resilience and Environmental Sustainability Policy

   JUST has established a comprehensive Climate Resilience and Environmental Sustainability Policy for its campus, covering the period from 2022 to 2026, with revisions in 2024. This policy is integral to JUST's strategic goals and reflects its commitment to sustainability, aiming to enhance its standing as a leading national and international university. The policy outlines nine crucial areas of focus, including ecosystem management, research and innovation, teaching, sustainable procurement, health and wellness, and effective waste, water, and energy management. The policy serves as a roadmap for fostering environmental stewardship and operational sustainability, with a framework for continuous improvement through regular assessments and stakeholder collaboration.
5. United Nations Sustainable Development Goals

   JUST is deeply committed to advancing the United Nations Sustainable Development Goals (SDGs) by integrating sustainability principles into its educational, research, and community engagement initiatives. The university actively promotes environmental stewardship, social equity, and economic development through a comprehensive approach that aligns its programs with the SDGs. JUST emphasizes research and innovation aimed at addressing pressing global challenges, fosters interdisciplinary collaboration among students and faculty, and encourages community partnerships that enhance social responsibility. By cultivating a culture of sustainability on campus and beyond, JUST not only prepares its graduates to be informed global citizens but also contributes to the broader goal of achieving a sustainable future for all, demonstrating its dedication to creating a positive impact locally and internationally. In 2023, JUST

made significant strides, including the launch of the "Istidamat Watan or Sustainable Jordan Initiative," which aims to reduce and recycle solid waste and promote environmental sustainability on campus. The university integrates sustainability into its curricula and encourages student participation in projects that align with various SDGs by fostering collaborations with local communities and international organizations.

Summary of SDG-related Publications

According to SciVal, JUST has 8,529 documents mapped to the United Nations Sustainable Development Goals as of 2025. These publications by JUST researchers contribute to all SDG's as shown in Figure 1. Around 49.2% of the publications by JUST researchers contributed to the third SDG: Good Health and Wellbeing. The lowest percentage of publications was for the 14th SDG: Life below Water, at 0.5%. Such variations reflect the research interest of the researchers affiliated with JUST and the fields of study programs offered in the university.

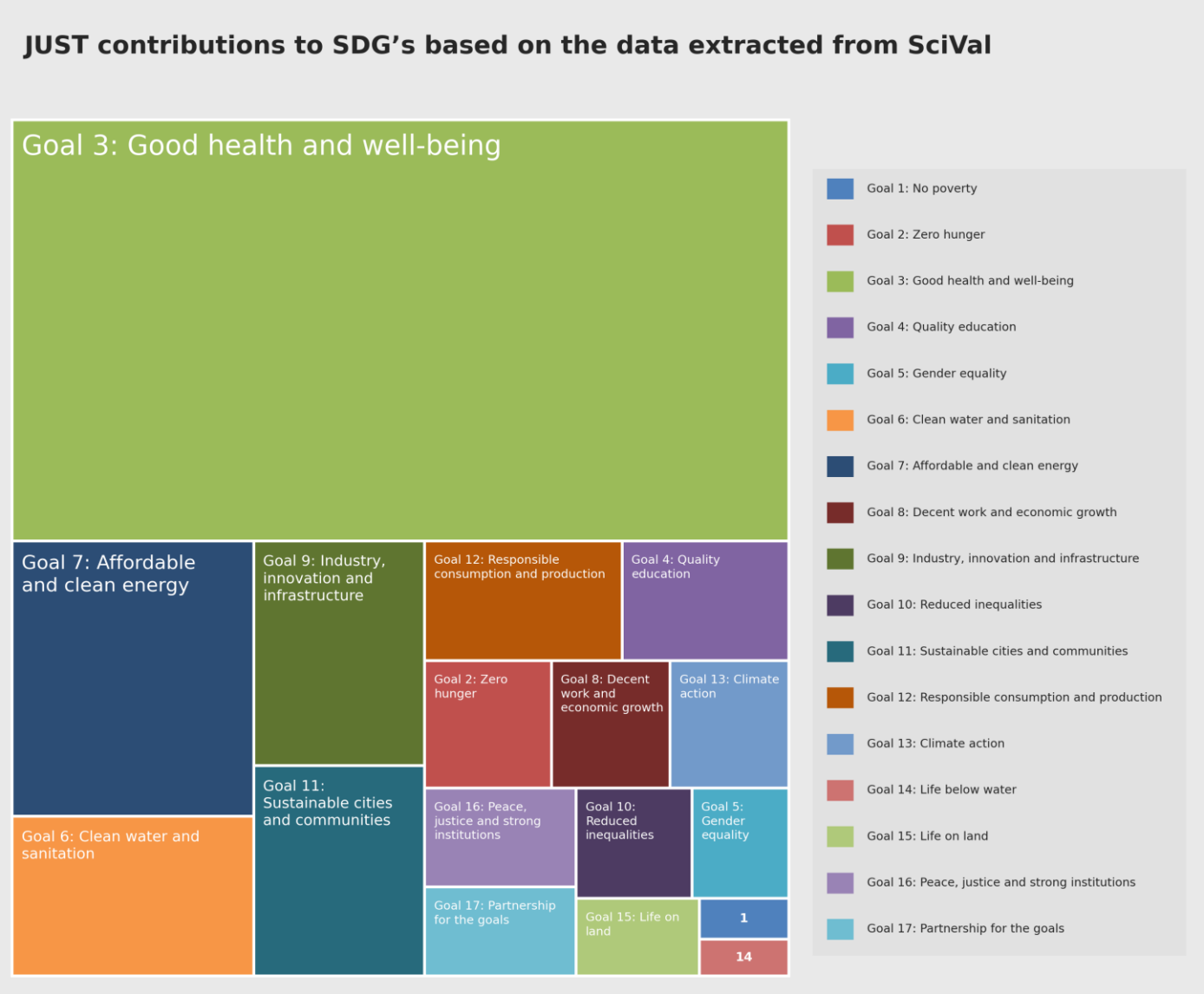


Figure 1. SDG-related publications (Data source: SciVal)

Milestones

SDG 1: No poverty

Jordan University of Science and Technology (JUST) is committed to achieving Sustainable Development Goal 1: No Poverty by implementing various initiatives aimed at alleviating financial barriers for students. The university has established the "Instructions of the Student Financial Aid Fund," designed to assist students in obtaining the education they deserve by providing financial support to help them overcome emergency economic conditions. Additionally, certain faculties, such as the Faculty of Medicine, have created support groups to provide students with essential resources like books and course materials. Through these efforts, JUST strives to ensure that all students have equitable access to educational opportunities, thereby contributing to the reduction of poverty and the promotion of educational equity. JUST supports SDG 1 (No Poverty) through various activities aimed at reducing poverty and promoting social inclusion:

1. **Student Financial Aid Program:** The student financial aid program at JUST provides various forms of financial assistance to help students cover their educational costs. It includes regular loans offered at favorable terms, emergency loans for students facing unexpected financial difficulties, and opportunities for part-time on-campus employment to support students financially. Additionally, departmental scholarships are awarded to outstanding students based on academic achievement or other criteria.
2. **JUST's Career Guidance and Alumni Follow-up Office:** JUST aim to bridge

students with the labor market and community institutions. **The Career Guidance Office**, which is part of the King Abdullah II Fund, provides comprehensive guidance to help students select suitable majors and careers based on their skills and interests. The office offers workshops and training to improve students' personal, professional, and social skills, making them more employable. Specialized training courses and workshops, covering various fields such as employment skills, entrepreneurship, languages, and technology, are offered to align with market needs and enhance job prospects.

3. **Community Outreach and Social Support Programs**: JUST organizes initiatives to support low-income families and vulnerable communities in Jordan. These include providing educational scholarships for students from disadvantaged backgrounds, food drives, and distributing essential goods to underprivileged areas.

4. **Entrepreneurship and Job Creation Programs**: Through its innovation and entrepreneurship centers, such as the Center for Sustainable Development Studies and Technology (CSDST), JUST promotes economic empowerment by encouraging student-led startups and projects focused on job creation. These programs equip students with skills and resources to establish businesses that can generate employment and alleviate poverty in local communities.

5. **Collaborations with NGOs and Governmental Programs**: JUST partners with local

NGOs and government agencies to support poverty alleviation programs. These collaborations often focus on rural development, microfinancing initiatives, and vocational training programs that target marginalized groups, helping them acquire skills and financial support to improve their economic standing.

6. **Research and Policy Development**: JUST conducts research on poverty reduction strategies and social inequality, particularly in rural and underserved areas. This research helps inform policies aimed at improving social welfare systems, addressing income disparities, and creating sustainable economic opportunities for impoverished populations.

7. **Health Services for Low-Income Communities**: Through its health-related faculties, such as the Faculty of Medicine and the Faculty of Dentistry, JUST offers medical outreach services to low-income communities. Free or subsidized healthcare, mobile clinics, and public health campaigns are extended to improve the well-being of people living in poverty, reducing their financial burdens related to healthcare.

SDG 2: Zero Hunger

Jordan University of Science and Technology (JUST) is dedicated to achieving Sustainable Development Goal 2: Zero Hunger by ensuring that healthy and affordable food choices are available to all on campus. The Department of Catering and Food Services is responsible for providing nutritious meals at the university cafeterias for students and employees, ensuring that food options are both healthy and reasonably priced. In addition, the department offers catering services for conferences, workshops, and training courses held at the university. Through these initiatives, JUST promotes food security and healthy eating habits among its community members.

In support of SDG 2, Jordan University of Science and Technology prioritizes combating food insecurity and ensuring equitable access to nutritious meals for its students and staff. The university provides a wide range of healthy and affordable food options on campus, maintaining prices that are consistently lower than those in surrounding cities. By collaborating with both on-campus and external food providers, JUST accommodates diverse tastes and dietary needs while upholding competitive pricing standards. Beyond offering meals, the university raises awareness about food insecurity, equips students with resources to manage their budgets effectively, and actively seeks their feedback to adapt services to evolving needs. This commitment extends to community engagement, as students organize campaigns to collect and distribute food parcels to underprivileged families, reflecting JUST's role in addressing hunger both on campus and in the wider community.

SDG 3: Good Health and Wellbeing

Jordan University of Science and Technology (JUST) is committed to advancing Sustainable Development Goal 3: Good Health and Well-Being. Several key activities are being conducted to enhance the health and well-being of its students and staff, including:

- **Partnerships with health institutions** for exchange programs, joint research, and dual programs.
- **Student-led outreach initiatives** providing counseling and education on health issues and chronic diseases.
- **Free or low-cost access to sports facilities** to promote physical well-being.
- **Specialized health clinics** offering sexual health consultations, mental health services, chronic diseases clinics, and nutrition counseling.
- **Strict Smoke-Free Campus Policy**, including smoking cessation support and annual regulation reviews.
- **Mental Health Clinic**. The counseling office is the university's primary facility for personal counseling and psychological outreach and consultation services. Additionally, the university offers essential services to students and employees related to sexual health consultation and mental health awareness through its healthcare center and youth friendly clinic located on campus.
- **Youth Friendly Health Clinic**. Youth Friendly Health Clinic. The Youth Friendly Clinic provides its services free of charge to JUST students in the areas of sexual and reproductive health and psychosocial support. These services are provided in the form of one-to-one sessions and group activities.

- **Catering and Food Services**. JUST provides healthy and affordable food choices for all on campus with affordable prices. We place a high value on addressing student food insecurity and ensuring equitable access to affordable, nutritious meals within our academic community.

SDG 4: Quality Education

JUST is dedicated to advancing Sustainable Development Goal 4: Quality Education. Jordan University of Science and Technology (JUST) is committed to advancing Sustainable Development Goal 4: Quality Education. In the QS World University Rankings 2026, JUST ranked 461st globally, marking its first-ever entry into the global top 500. In the QS World University Rankings: Sustainability 2025, JUST ranked 683rd globally, while maintaining its position at 16th in the QS Arab Region Rankings. In the QS World University Rankings by Subject 2026, JUST recorded its strongest performance to date, with Dentistry ranking 34th globally and 1st in Jordan, Nursing placing in the global top 100, Pharmacy, Data Science, and Artificial Intelligence entering the top 150, and Medicine ranking within the top 250 globally. In the 2025 UI GreenMetric rankings, JUST ranks 116th globally and 2nd in Jordan. The U.S. News Best Global Universities rankings positioned the university at 769 globally and #1 in Jordan. Beyond rankings, JUST emphasizes knowledge transfer through free educational resources and outreach activities, promoting equal access to education and contributing to an increase in first-generation students. The university is focused on graduating skilled professionals ready to teach at the primary level.

The accessibility menu on JUST website directly supports inclusive and equitable learning by providing students and staff with tools that enhance readability and usability. With options such as letter spacing, font weight adjustments, reading guides, and the ability to stop animations, the platform accommodates different learning styles and accessibility needs. These features ensure that educational materials and university services are accessible to students with visual impairments, dyslexia, or attention-related challenges, thereby removing barriers to learning. By embedding accessibility into its digital platforms, JUST reinforces its mission of delivering quality education for all and aligns with global best practices in inclusive higher education.

JUST is strongly committed to meeting the highest global standards in education, research, and professional practice. This commitment is reflected in the wide range of international accreditations earned by its colleges and academic programs. These accreditations not only validate the quality of JUST's curricula, faculty, and facilities but also ensure that its graduates are globally competitive and well-prepared to contribute to their professions. The following table summarizes the international accreditation bodies that have recognized JUST's colleges and departments.

Table 2: Summary of International Accreditation

Faculty	Department / Program	Accreditation Body
Engineering	All programs	ABET
Medicine	All programs	ACGME, WFME
Agriculture	All programs	ASIIN
Architecture and Design	Architecture	NAAB
Computer and Information Technology	Computer Engineering	ABET
	Computer Information Systems	ABET
	Computer Network Engineering and Security	ABET
	Computer Science	ABET
	Software Engineering	IET
Applied Medical Sciences	Radiology Technology	ASIC
	Optometry	ASIC
	Ambulance and Emergency	ASIC
	Medical Laboratory Sciences	ASIC
	Allied Dental Sciences	ASIC
	Dental Technology	ASIC
	Physiotherapy	ASIC, World Confederation for Physical Therapy
	Occupational Therapy	ASIC, World Confederation for Physical Therapy
	Hearing and Speech	ASIC
Arts and Sciences	Chemistry	Canadian Society for Chemistry
	Biotechnology and Genetic Engineering	ASIIN
	Mathematics	ABET
	Physics	ABET
Pharmacy	All programs	ACPE

Nursing	All programs	ACEN

SDG 5: Gender Equality

Jordan University of Science and Technology (JUST) is committed to promoting Sustainable Development Goal 5: Gender Equality by adhering to government regulations that guarantee equal rights for women and men in the workplace. This commitment is reflected in the university's "Job Conduct and Ethics Instructions," specifically in Article No. 6, Part (C-3), which highlights the necessity of refraining from immoral behavior and requires male colleagues to treat their female counterparts as equal partners. The university's human resource statistics further illustrate its dedication to gender equality: among the 1,091 faculty members, 31.6% are female; of the 1,834 administrative and technical staff members, 34.8% are female; and in service jobs, out of 696 workers and employees, 10% are female. By fostering a culture of respect and equality, JUST actively contributes to an inclusive and equitable workplace, aligning with its broader mission to empower individuals regardless of gender.

JUST advances SDG 5: Gender Equality through its comprehensive Equality, Diversity & Inclusion Policy (2022–2026), which ensures that women and men have equal rights and opportunities across all aspects of university life. The policy prohibits discrimination based on gender, pregnancy, marital status, or personal circumstances, and emphasizes transparency and fairness in decisions regarding students, faculty, and staff. JUST supports female participation in leadership, teaching, and research, and actively promotes gender-balanced representation across its community. Awareness of gender equity is fostered through training, integration of policy into student and staff handbooks, and a mandatory course that introduces students to the principles of equality and inclusion. By embedding gender equality within its institutional

framework and daily practices, JUST not only safeguards women's rights on campus but also empowers female students and staff to contribute to education, research, and community development at local and global levels.

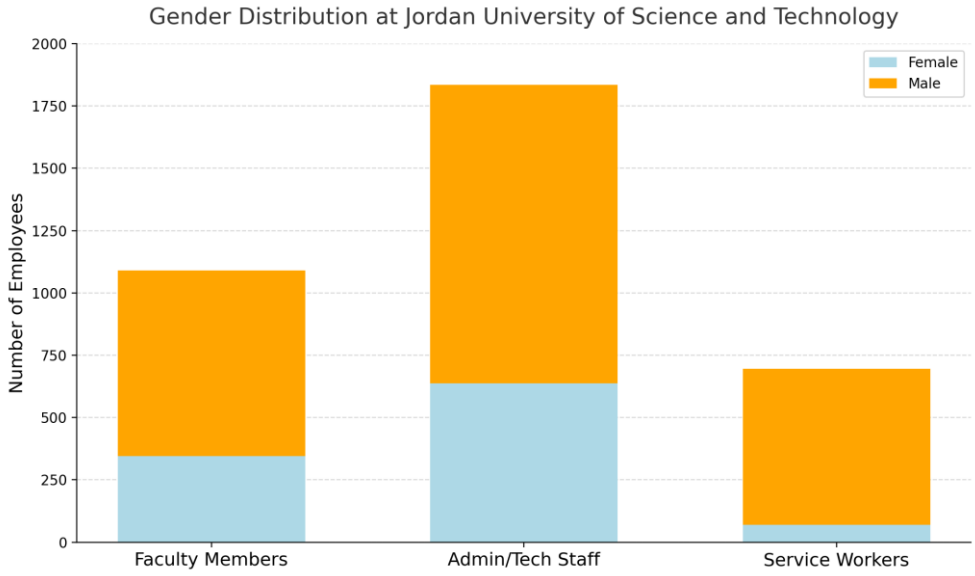


Figure 2. Gender Distribution of staff at JUST

SDG 6: Clean Water and Sanitation

Jordan University of Science and Technology (JUST) is dedicated to achieving Sustainable Development Goal 6: Clean Water and Sanitation, recognizing the challenges posed by being a water-stressed country. The university actively implements policies to monitor and measure total water consumption across its campus. To enhance accessibility, water fountains are provided for free use by students, staff, and visitors. Additionally, wastewater is treated and recycled through an effective water supply treatment plan, ensuring responsible resource use.

JUST employs an artificial lake to harvest rainwater during the winter months, further bolstering its water conservation efforts. Specific regulations are established to encourage conscious water consumption among students and staff, reinforcing the university's commitment to sustainable water management and environmental stewardship.

Our ambitious goal is to transform our campus into a model example of sustainability by adopting multiple water supply alternatives and implementing cutting-edge water-efficient technologies. In 2019, our baseline data showed that we consumed 45 liters of fresh water per full-time equivalent (FTE) per day, with 193 cubic meters of fresh water used for irrigating each hectare of green space. To achieve our objectives, we aim to optimize rainwater utilization, minimize water losses, establish efficient water utilities, and reduce fresh water usage for irrigation. Our action plan includes storing rooftop rainwater for local irrigation and aesthetic purposes, maintaining our campus earth dam for enhanced rainwater collection, installing water meters for early leakage detection, monitoring water consumption data for potential savings, upgrading water-saving devices, implementing water efficiency awareness programs, adopting best practices for efficient irrigation, and increasing on-site stormwater

collection infrastructure for irrigation purposes.

The following programs and initiatives are examples of JUST's endeavors to achieve this SDG:

Fresh water sources: The university addresses water scarcity through the operation of four artesian wells, three in Al-Hosn and Al-Naima regions, and one on the campus. Moreover, a dedicated water tower supplies buildings and facilities with fresh water from these groundwater wells, offering a cost-effective alternative to the Water Authority.

Conservation of rainwater: Rainwater collection at Jordan University of Science and Technology involves several vital components. An artificial lake, strategically positioned at the estuary of Wadi Hassan, stores a substantial amount of water used for various purposes, including crop cultivation, tree care, and bird habitat. Additionally, an earthen dam in the southeast of the university grounds collects water to maintain the lake's water level and provide year-round irrigation.

Water-efficient appliances usage: The university incorporates the renovation of water appliances and the installation of water-saving devices on taps as part of its sustainability policy, promoting the efficient use of water resources.

Water pollution control: JUST University conducts regular tests on treated water to ensure it meets Jordanian specifications and standards for human consumption and agricultural use. The university has implemented systems to prevent polluted water from entering the water supply, including waste water management and microfiltration, as well as a wastewater treatment plant for recycling domestic wastewater, making it suitable for reuse.

Water bodies and irrigation: At JUST, the water bodies play a crucial role in irrigation. The artificial lake, covering 40,000 m^2 with a capacity of 140,000 m^3, and the earthen dam, which has a capacity of 170,000 m^3, are both utilized to support irrigation efforts across the campus. This sustainable approach not only enhances the university's green spaces but also promotes efficient water usage in agriculture and landscaping.

Water recycling program: The university's operation and maintenance unit collaborates with local companies, institutions, and factories to collect sewage for purification. The existing water purification system, dating back to the university's establishment in the 1980s, is utilized to repurpose this wastewater for agricultural use, particularly crucial in the face of

increasing drought conditions due to climate change.

Reuse of treated water: JUST treats water from the Al-Hosn and Al-Naima wells, along with harvested rainwater, ensuring it complies with Jordanian drinking water standards. This treated water is reused to meet various university building needs and for irrigating crops.

SDG 7: Affordable & Clean Energy

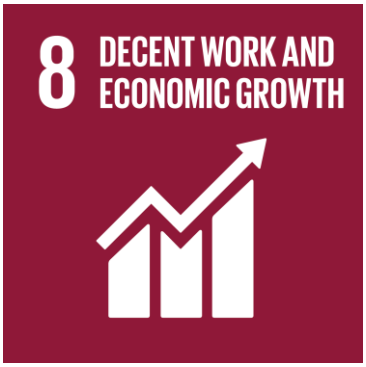
Jordan University of Science and Technology (JUST) is dedicated to advancing Sustainable Development Goal 7: Affordable and Clean Energy through its ongoing efforts to optimize resource use across its campus. The university has established energy-efficient standards to minimize energy consumption in all buildings and facilities, complemented by effective policies aimed at reducing carbon emissions. A significant initiative includes harnessing solar energy through solar power systems, which power various activities on campus. Additionally, JUST offers free charging points for electric vehicles, promoting sustainable transportation options for staff and students.

To enhance energy management further, sub-meters have been installed to monitor energy consumption and identify areas of high usage, facilitating timely interventions when necessary. JUST actively supports clean energy initiatives through collaborations with the United Nations (UN) and the European Union (EU), reinforcing its commitment to sustainability and environmental responsibility.

The university has already completed the construction of a 5-MWatt solar system, generating more than 8 million KWh of clean energy. Additionally, plans are underway for a 20 MWatt solar system, expected to be operational within two years. Together, these solar systems will produce a total of 40 million KWh, effectively eliminating the university's electricity costs and meeting the rising energy demand. In 2025, the total energy consumption was 16,454,508 KWh, of which 8668509.58 KWh was from renewable sources (52.7%). In comparison, in 2024, the total energy consumption was 17,136,047 KWh, 8,532,123 KWh was from renewable sources (49.8%).

The university has embraced smart building technologies, implementing a Building Management System (BMS) to efficiently monitor and control lighting, temperature, and alarm systems across its various sites. Building facades are strategically designed to optimize natural lighting and temperature comfort, with air conditioning systems programmed to halt at 23 degrees Celsius. Furthermore, engineering and medical college buildings are engineered to maximize natural lighting and ventilation, while fountains within courtyards contribute to cooling the university's surroundings.

SDG 8: Decent Work and Economic Growth



JUST adheres to the "Salaries and Allowances System," governed by Article (42) of the Jordanian Official Universities Law No. (24) of 2004. This framework is essential for establishing fair and transparent compensation practices for faculty and staff within the university. The system delineates salary structures, allowances, and benefits available to employees, ensuring compliance with national regulations while promoting equity and transparency in the workplace.

The system has been amended through Regulation No. (52) and Regulation No. (22) in 2004, reflecting ongoing efforts to adapt to changing economic conditions and institutional needs. These regulations address various aspects of compensation, including base salaries, merit-based increases, allowances for special roles or responsibilities, and other financial incentives aimed at attracting and retaining qualified professionals in both academic and administrative sectors.

JUST ensures that its compensation practices are competitive and equitable, fostering a supportive work environment that values the contributions of all employees. This commitment to fair remuneration not only enhances job satisfaction and motivation among staff but also aligns with the university's broader goals of promoting quality education and research. Additionally, the system serves as a foundational element in JUST's strategic human resource management, helping the institution maintain its reputation as a leading educational and research establishment in Jordan and the region.

At JUST, Sustainable Development Goal 8 (Decent Work and Economic Growth) is also actively addressed through institutional policies that foster professional behavior, job ethics,

and educational oversight: the Professional Behavior and Job Ethics Policy ensures staff and faculty uphold integrity, fairness, and accountability in their work relationships, thereby promoting decent working conditions and trust; and the Rules for the Teaching Staff Committee (دليل أعضاء هيئة التدريس) outlines standards of performance, rights, duties, evaluation, and promotion pathways, which help secure clear employment conditions, transparency, and opportunities for career growth.

SDG 9: Industry, Innovation and Infrastructure

JUST is firmly committed to advancing Sustainable Development Goal 9 (SDG 9), which focuses on building resilient infrastructure, promoting sustainable industrialization, and fostering innovation. The university recognizes the vital role that robust infrastructure and innovative industries play in driving economic growth and enhancing the quality of life within local and national communities.

JUST actively promotes research and development initiatives that align with SDG 9 by establishing partnerships with industry leaders and fostering collaboration between academia and the private sector. The Center of Excellence for Innovative Projects serves as a key platform for this commitment, providing the necessary resources and support for innovators to develop and commercialize their ideas. By nurturing startups and fostering an entrepreneurial culture, JUST aims to transform innovative concepts into viable products and services that can stimulate economic activity.

Furthermore, the university integrates modern technologies and sustainable practices into its educational programs, equipping students with the skills needed to thrive in the evolving industrial landscape. JUST's focus on science and technology education ensures that graduates are prepared to contribute to the development of resilient infrastructure and sustainable industrial practices.

SDG 10: Reduce Inequalities

JUST is deeply committed to promoting social inclusion and reducing inequalities in alignment with the United Nations Sustainable Development Goal 10. By fostering an equitable environment, JUST strives to ensure that all individuals, regardless of their background, have access to quality education and opportunities for personal and professional development. The university actively implements policies and initiatives aimed at breaking down barriers to education, enhancing access for marginalized groups, and promoting diversity within its community.

The Code of Conduct and Job Ethics at Jordan University of Science and Technology (JUST) serves as a foundational framework for establishing ethical standards and principles for all university employees. This code is derived from established career ethics and aims to foster a culture of professionalism and integrity within the university community.

The code promotes commitment to high professional values, good governance, and ethical practices, emphasizing the importance of educating employees about sound job ethics and self-discipline. It delineates the responsibilities and duties of university personnel, aiming to enhance service delivery and uphold public trust.

Central to this code are principles of justice, equal opportunity, transparency, accountability, and professional integrity. It underscores the importance of impartiality and a strong sense of belonging to both the homeland and the university, urging employees to take responsibility for their roles in achieving JUST's mission and objectives. All employees are expected to adhere to these provisions, ensuring a collaborative and ethically sound working environment that contributes to the overall success of the university.

JUST promotes inclusion and equal access through the accessibility menu integrated into its

official website. This tool ensures that individuals with diverse needs, including those with visual, cognitive, or learning difficulties, can engage fully with online university resources. Features such as adjustable font size, dyslexia-friendly fonts, customizable line spacing, and high-contrast display options help remove digital barriers and foster equitable access to information. By implementing these measures, JUST demonstrates its commitment to reducing inequalities and creating an inclusive digital environment where all users—regardless of disability or background—can participate equally in academic and community life.

SDG 11: Sustainable Cities and Communities

Jordan University of Science and Technology (JUST) is dedicated to fostering vibrant, inclusive communities that reflect the diversity of its student body, in alignment with the United Nations Sustainable Development Goal 11: Sustainable Cities and Communities. The university encourages active student engagement through a variety of cultural and artistic initiatives, providing platforms for students to explore their creative passions.

Students at JUST can participate in numerous activities such as drawing, singing, dancing, acting, and playing music, allowing them to express their cultural identities and engage with their peers. One highlight is the annual Arab and Foreign Communities Exhibition, which showcases the rich cultural diversity within the university.

JUST commitment to sustainable cities and communities is exemplified by our dedication to implementing smart building design and green buildings on our university campus. The university's commitment to sustainable building practices is evident through the integration of green building features in its architectural designs dating back to 1980, which include elements like sunlight breakers, natural light, and effective ventilation to minimize direct sunlight exposure. This commitment extends to new buildings, aligning with sustainable principles. Moreover, the university collaborates with UNICEF to explore innovative solutions for addressing water, sanitation, and hygiene challenges in the region. In addition, the university has embraced smart building technologies, implementing a Building Management System (BMS) to efficiently monitor and control lighting, temperature, and alarm systems across its various sites.

A dedicated department oversees student clubs, associations, and initiatives, organizing events related to fine arts, music, folklore, ceramics, theatre, seminars, workshops, and various social

and voluntary activities. This commitment to cultural expression not only enriches campus life but also fosters a sense of community, inclusivity, and shared experience among students from different backgrounds. Through these efforts, JUST contributes to building sustainable communities that celebrate diversity and promote social cohesion.

Celebration on the occasion of International Women's day and mother's day

16 Mar 2023

Concert on the occasion of the homeland holidays

14/3/2023

ALFAROUK HALL

SDG 12: Responsible Consumption and Production

JUST is committed to promoting responsible consumption and production practices as part of its overarching mission to foster environmental sustainability and health within its community. As a prominent national and international institution offering cutting-edge education, JUST recognizes its role in addressing environmental health and safety issues through quality research and educational programs.

The university aims to lead by example, providing future leaders with the knowledge and tools necessary to enhance Jordan's environmental sustainability. To achieve this, the university's faculties are tasked with ensuring that students and staff have access to programs focused on environmental health and safety education. JUST has established a comprehensive Environmental Health and Safety Section (EHSS) responsible for designing, implementing, and auditing management systems related to occupational health and safety.

Key commitments include maintaining a safe environment for all members of the university community, ensuring compliance with health and safety regulations, and advocating for safe work practices. The university prioritizes the provision of training, instruction, and supervision to its staff and students, aiming to cultivate an atmosphere where everyone can perform their duties without fear of intimidation, harassment, or undue stress. Through these initiatives, JUST demonstrates its dedication to fostering a safe and healthy campus environment while instilling responsible consumption and production practices among its community members.

SDG 13: Climate Action

JUST is committed to advancing Sustainable Development Goal (SDG) 13: Climate Action through a range of innovative initiatives aimed at promoting sustainability and reducing environmental impact.

One of the key initiatives is the "Renewable Energy" project, which harnesses solar energy to generate electricity with a capacity of 5 megawatts. In 2025, the table presents an overview of energy consumption and vehicle ownership at the university. The university's total energy consumption amounted to 16,454,508 kWh, of which 2,219,138 kWh (13.5%) was generated from the solar power plant. Additionally, the university's fuel consumption included 23,534.907 liters of gasoline and 1,791,936.363 liters of diesel. The university's fleet consists of 147 vehicles, which include sedans, trucks, buses, and vans, illustrating its transportation capacity and operational needs.

In addition to the solar energy project, JUST has implemented a comprehensive waste management program that focuses on reducing, reusing, and recycling materials across campus. This initiative aims to minimize landfill waste and promote a circular economy, further supporting climate action efforts.

The university also conducts regular environmental awareness campaigns and workshops for students and staff, fostering a culture of sustainability and encouraging eco-friendly practices within the campus community. These initiatives are complemented by the establishment of green spaces and biodiversity projects, which enhance local ecosystems and promote carbon sequestration.

Moreover, JUST has integrated sustainability into its academic curriculum, offering courses

and research opportunities focused on climate change, renewable energy technologies, and sustainable development practices. This educational approach empowers students to become future leaders in climate action and environmental stewardship.

To further enhance its commitment to climate resilience, JUST collaborates with local and international organizations on research projects and initiatives aimed at mitigating climate change effects in the region. These partnerships facilitate knowledge exchange and resource sharing, strengthening the university's role in the global sustainability movement.

SDG 15: Life on Land

Jordan University of Science and Technology (JUST) is firmly committed to Sustainable Development Goal 15: Life on Land, emphasizing the importance of sustainable ecosystems and biodiversity. Covering a total area of 11,000,000 m², with a built-up area of 415,822 m², the university is dedicated to enhancing its natural environment while providing educational and research facilities.

A key aspect of JUST's commitment is its extensive green spaces, totaling 5,346,000 m². This includes 550,000 m² planted with 532,200 forest trees, which contribute to carbon sequestration, biodiversity, and habitat restoration. The university also cultivates 2,970,000 m² of land with 48,778 fruit trees, promoting local food production and supporting sustainable agriculture practices. Additionally, 581,000 m² are designated as gardens, creating serene environments for relaxation and study while fostering an appreciation for nature among students and staff.

Moreover, JUST dedicates 1,240,000 m² to field crops, reinforcing its role in promoting agricultural sustainability and food security. By integrating these green areas into its campus design, the university not only enhances the aesthetic appeal of its surroundings but also plays a significant role in conserving natural resources and protecting ecosystems.

The Prince Hamzah Natural Reserve, overseen by Jordan University of Science and Technology (JUST), serves as a vital conservation area for research and education. Spanning approximately 344000 square meters, this forest reserve is home to a diverse range of flora, including eight species of forest trees such as green oaks (both types), Aleppo pine, and wild pear. Additionally, the reserve boasts around 250 species of annual and perennial plants,

providing an important habitat for biodiversity and serving as a living laboratory for students to engage conservation practices and ecological studies.

SDG 16: Peace and Justice Strong Institutions

The Jordan University of Science and Technology (JUST) prioritizes peace, justice, and strong institutions through its active Student Union, which is an elected body representing the diverse student population. This Union plays a crucial role in advocating for student interests and addressing their concerns in collaboration with university administration, all within the framework of Jordanian laws and university regulations. Committed to enriching the student experience, the Student Union organizes a wide range of cultural, social, sporting, and academic activities while fostering a democratic environment that respects differing opinions. Its objectives include promoting awareness of Jordanian and Arab culture, enhancing cooperation with other student bodies across Jordan, and addressing student issues effectively. The Union also aims to strengthen national unity, reject sectarianism, and positively engage with the local community, while supporting causes important to the Arab and Islamic nations, including the Palestinian issue. By nurturing a strong student identity and encouraging active participation, JUST's Student Union contributes to building a just and cohesive university community.

At Jordan University of Science and Technology (JUST), student clubs and organizations play a vital role in fostering community, engagement, and personal development among students. These clubs are established under the supervision of the Deanship of Student Affairs, allowing any group of students with shared interests or hobbies to apply for formation. Each club is assigned an academic advisor and is represented by an administrative committee, ensuring proper guidance and organization. The university actively finances and supports these clubs, promoting a vibrant campus culture.

1. **Environmental Protection Club** – Focused on raising awareness and engaging in activities to protect the environment.
2. **Scientific Innovation Club** – A platform for students to explore and promote innovative scientific ideas and projects.
3. **The Political Culture of Dialogue Club** – Encourages discussions and debates on political topics to foster critical thinking and civic engagement.
4. **Culture, Media Club** – A space for students interested in cultural expression and media-related activities.
5. **Energy Club** – Dedicated to promoting energy efficiency and sustainability initiatives.
6. **Create Arab Revolt Club** – Engages students in discussions and activities related to Arab history and culture.
7. **Medical Club** – A hub for students pursuing careers in healthcare to collaborate and share knowledge.
8. **Entrepreneurship and Cutting-Edge Technology Club** – Supports students in exploring entrepreneurial ventures and the latest technologies.
9. **Volunteer Work and Community Service Club** – Focuses on community engagement and volunteer opportunities.
10. **Arab and Foreign Students Club** – Promotes cultural exchange and support among students from diverse backgrounds.
11. **Special Needs Club** – Advocates for the inclusion and support of students with special needs.
12. **Nanotechnology Club** – Explores advancements in nanotechnology and its applications.
13. **Debate Club** – Provides a forum for students to enhance their public speaking and argumentative skills.

SDG 17: Partnerships for the Goals

Jordan University of Science and Technology (JUST) actively engages in partnerships aimed at advancing the United Nations Sustainable Development Goals (SDGs) through various memorandums of understanding (MOUs) with a diverse range of institutions, international NGOs, and several UN agencies. These partnerships include collaborations with prominent organizations such as UNESCO, UNICEF, the Food and Agriculture Organization (FAO), and the United Nations Development Programme (UNDP). Additionally, JUST collaborates with other international entities like the World Health Organization (WHO), the United Nations Environment Programme (UNEP), and the International Labour Organization (ILO), among others, to promote sustainability initiatives on national, regional, and international levels.

These agreements facilitate joint research projects, capacity-building programs, and knowledge-sharing initiatives that align with the SDGs. JUST works closely with the Jordanian government to ensure that these collaborations contribute effectively to the nation's sustainability objectives, as outlined in the university's comprehensive sustainability policy. This policy is reviewed every five years to ensure that it remains aligned with emerging global challenges and opportunities.

Through its strategic partnerships, JUST aims to leverage expertise, resources, and innovative solutions that address pressing issues such as climate change, poverty alleviation, health care, education, and economic development. By fostering collaborative efforts with international organizations, JUST not only enhances its academic programs and research capabilities but also reinforces its commitment to building a sustainable future for Jordan and beyond.