

Sustainability 2024

Transforming Knowledge into Sustainable Actions

University of Petra
sustainability report
Amman – Jordan

Prepared By:

Nidal M. Hussein and Hiba Al-Sayyed

Data collection and analysis:

**Nidal M. Hussein, Hiba Al-Sayyed, Anwar
Shawabkah, and Rania Al Shawwa**

Designed By:

Shaimaa AL-lahham



University president's message

I am pleased to present our 2024 Sustainability Report. This year brought important progress in our sustainability work.

Our solar panels now produce 120% of our electricity needs. We prevent 2,500 tonnes of CO2 every year. All our waste gets proper treatment. Our water recycling system provides 60% of campus water.

Education remains our core mission. We offer 560 courses with sustainability content - almost half of all courses. Nineteen programs focus directly on sustainability. More than one in four graduates now work in green jobs. We dedicate 65% of research funds to sustainability projects. This shows how seriously we take environmental challenges.

Our students lead by example. They organize 37 sustainability activities yearly. They volunteer 16,000 hours for community service. We work with 36 international partners to share knowledge and expand our impact.

Looking ahead, we know the challenges are big - climate change, water scarcity, social needs. But through education, research, and community work, we will continue contributing to the Sustainable Development Goals.

Thank you to all faculty, staff, students, and partners who make this possible. Together, we build a sustainable future.

Professor Rami Abdelrahem
President, University of Petra



Since its establishment in 1991, the University of Petra (UOP) has committed to maintaining a prosperous, peaceful, green, and attractive campus through responsible sustainability practices that advance the United Nations Sustainable Development Goals (SDGs) via governance, education, knowledge transfer, internationalization, and community responsibility.

UOP now serves 7,000 students from 35 countries across nine faculties offering 51 programs on our 186,000 square meter Amman campus—a working model of sustainable development. The 4th pillar of our strategic plan (2024-2028) maintains a safe, healthy, and green environment where our sustainability management is periodically assessed and updated to ensure ongoing efficacy. We aspire to be the first choice for scholars and learners in Jordan and the region, providing lifelong sustainable learning through education, research, and practices that reduce poverty and hunger, improve health and education, promote justice and equality, conserve water and energy, and maintain environmental sustainability through responsible consumption and innovation while partnering nationally and internationally.

Our strategic pillars include digital transformation, research excellence, internationalization, occupational safety, career orientation, quality academic programs, operational excellence, and sustainable community partnerships—all grounded in equal opportunities, sustainable learning, respect, collaboration, and social responsibility. In 2024, we achieved significant milestones: our solar panels now produce surplus electricity, we treat 100% of our waste and recycle 60% of our water. We teach 560 sustainability-focused courses and produced 389 research publications. Students organize and average 88 annual events and lead 12 community service projects, while our 36 international partnerships in 2024 amplify our impact.

This report reaffirms UOP's commitment to sustainability, presenting our efforts, achievements, and challenges across all 17 SDGs with transparency—showing both successes and areas requiring continued attention and action.



SDG 01

UOP recognizes the importance of ending poverty (SDG 1) in all its forms everywhere—a significant challenge in Jordan as a developing country. Our values center on equality in learning opportunities, social justice, and impactful social responsibility. Accordingly, UOP has implemented socially appropriate protection systems for vulnerable groups including women, children, the elderly, and the poor, while our strategy aims to increase community satisfaction and ensure financial sustainability.

UOP's strategic planning emphasizes building local, national, and international partnerships with stakeholders, businesses, governmental and non-governmental organizations, and marketplaces to expand working and training opportunities for students and alumni. We have established a business incubator and innovation and entrepreneurship center supporting startups' transition into viable businesses. Additionally, UOP continuously updates academic programs to align with marketplace requirements while fostering innovation.

UOP removes economic barriers through targeted financial support including emergency assistance funds, comprehensive scholarship programs, work-study opportunities, and flexible payment systems for vulnerable students. We invest 16.9% of our budget in sustainability programs that create jobs and reduce costs, making education more affordable. Our support extends beyond finances: the medical center provides free healthcare to all students and staff, a free nursery serves employees' children, and shuttle buses make 150 daily trips, reducing transportation costs. These services eliminate financial obstacles while focusing on students' personal and academic growth and well-being.

Equal opportunities in learning and excellence remain fundamental UOP values. Our support services encompass academic advising, personalized guidance, supplementary resources, and career readiness programs. Remarkably, one in four graduates secures employment in green jobs—well-paying positions with strong futures. Our Business Incubator helps startups create employment opportunities, while our research in sustainable farming and economic development identifies poverty reduction strategies. For many years, our winter and Ramadan charity campaigns have directly assisted poor families.

UOP develops programs addressing critical community needs such as financial literacy and job training at reasonable costs, fostering collaboration toward poverty eradication. This creates a positive cycle where sustainability programs enable greater financial support, allowing more talented students to pursue education regardless of income.

8

initiatives related to SDG 1

3

activities related to SDG 1

192

volunteers in initiatives related to SDG 1

16.9%

of budget for sustainability program



SDG 01

Ramadan Campaign (2024) - in partnership with 10 charity organizations

winter Campaign (2024) - in partnership with 11 charity organizations





SDG 02

UOP extensively engages with SDG2—ending hunger, achieving food security, improving nutrition, and promoting sustainable agriculture—through strategic planning, innovative projects, and collaborative alliances. We support rural development, increase food availability, and reduce food insecurity locally, regionally, and internationally. Addressing food insecurity remains a UOP priority. These efforts, implemented with governmental and non-governmental organizations, ensure aid reaches beneficiaries effectively and confidentially. Our Ramadan campaign provided food packages to 10 organizations in 2024.

UOP believes adequate nutrition is fundamental to food security. We established the Nutrition Clinic where complete nutritional care is accessible to all community members. In 2024, the clinic provided free consultations to 250 people. Our Clinical Nutrition and Dietetics program trains professionals who understand nutrition and food systems comprehensively. Students conduct workshops teaching healthy eating on budget constraints, ensuring practical knowledge reaches those most in need. UOP recognizes that food security begins with sustainable agricultural practices. Our dedication is evident in campus and research endeavors investigating novel strategies to enhance agricultural sustainability.

Our approach to SDG2 emphasizes education and communication. We actively interact with local communities through educational workshops, alliances with food security organizations, and public awareness campaigns. We teach about food security across courses, ensuring graduates understand hunger as a complex problem requiring diverse solutions. We have conducted comprehensive workshops and awareness campaigns engaging stakeholders, businesses, and community, maintaining our ethical values of providing equal learning opportunities, encouraging collaboration, and demonstrating commitment to social justice and responsibility in meeting food

250+

free nutrition consultations

56

volunteers in initiatives related to SDG 2

11

activities related to SDG 2

672

volunteered hours in initiatives related to SDG 2



SDG 02



**Free nutrition consultations
provider to UOP community
and local community**

**UOP President Sponsors
the 28th Ramadan
Charitable Campaign**



SDG 03

UOP is committed to ensuring health and promoting well-being for all ages—SDG3. To achieve this, UOP engages in campus and community health, wellness, and disease prevention programs, from assessment through intervention.

Medical services at UOP include: a medical center with emergency rooms, oxygen equipment, and ambulances; a mental health clinic with 24/7 crisis support; nutrition clinic; sports facilities; smoking-cessation clinic; and breastfeeding-friendly nursery. All healthcare is provided free to students and staff. Our Smoking Cessation Clinic, operating for 10 years, helped 30 people quit this year. The annual Medical Day provided free healthcare to 150 community members.

Beyond medical services, UOP promotes health through wellness and prevention programs including exercise classes, nutrition workshops, and stress management seminars. UOP actively collaborates with local communities, specialized medical clinics, hospitals, and medical services to improve public health through partnerships for outreach initiatives, health fairs, and educational campaigns. These projects enhance health outcomes and increase healthcare access.

Believing that knowledge is power and primary prevention is the finest disease prevention level, UOP operates two health-related colleges: Dentistry and Pharmacy and Medical Sciences, with five academic programs. In 2024, these programs graduated 389 healthcare professionals ready to serve communities. Research advances healthcare knowledge significantly. We published studies on drug delivery, disease testing, and public health. Our work with companies like Dar Al Dawa connects research to real healthcare solutions.

UOP improved campus health environments by replacing diesel heating with electric systems in 40% of buildings, improving air quality, while LED lighting and smart climate control create healthier learning and working spaces.

23

initiatives related to SDG 3

88

activities related to SDG 3

426

volunteers in initiatives related to SDG 3

6500+

volunteered hours in initiatives related to SDG 3



SDG 03

University of Petra organized a Free Medical Day local school



University of Petra Expands Smoking Cessation Clinic to Promote Health and Awareness



Faculty of Pharmacy and Medical Sciences organized "Clinical Posters Awareness Day" to showcase students' research and clinical skills in an interactive environment.





SDG 04

UOP prioritizes inclusive, equitable quality education and lifelong learning opportunities for all—SDG4. Since establishment, UOP has aspired to be the region's "university of choice" for learners and scholars, developing the nation through knowledge creation and technology dissemination by fostering quality education and research environments. We continuously establish vibrant scientific environments through adequate resources and infrastructure essential for teaching, learning, and knowledge creation.

We offer 37 undergraduate and 14 graduate programs, promoting quality education through well-reviewed programs. In 2024, we integrated sustainability into 560 courses (45% of total offerings) where students learn environment, social justice, and ethical leadership. Additionally, we collaborate to access resources, creating scientific research opportunities. To ensure equitable access, we established programs for diverse backgrounds, including scholarships, academic support services, and accessibility programs for students with impairments, guaranteeing learning opportunities for all.

Our approach emphasizes diverse, innovative learning experiences through experiential learning, multidisciplinary courses, and digital platforms. Smart classrooms enable interactive learning, while hybrid systems accommodate different learning styles. We emphasize lifelong learning through continuing education programs, professional development workshops, and community courses. We support local education through teacher training, science fair assistance, and student work experience programs.

Our library operates 24/7 with accessible digital resources. Partnerships with other institutions provide global perspectives. Digitalization anchors our strategic plan (2024-2028), continuously updating programs and materials while our Quality Assurance System monitors learning outcomes and employer satisfaction.

300+

Initiatives and activities related to SDG 4

35

funded research Projects

80+

training courses for staff annually

400+

scopus indexed research papers

44

mutual agreement with national, regional, and international agreements



SDG 04

UOP IT Faculty Attends Dead Sea Gaming Conference



UOP IT Faculty Attends Dead Sea Gaming Conference



Petra University 2 academics completed "Quality Evaluator" training programs at the Accreditation Commission

UOP Students Organize "Arab Child Day" at Zaha Cultural Center





SDG 05

UOP advances gender equality and empowers women and girls—SDG5—by fostering an equitable environment where every individual is treated with dignity. We continuously work toward promoting intellectual engagement, creative thinking, and community dialogue to establish a culturally rich environment contributing to societal well-being. Our Equality and Sustainability Office, established in 2021, leads efforts creating equal opportunities through targeted programs and policy reforms.

Our commitment to equal opportunities, respect for diversity, and collaborative teamwork has driven comprehensive initiatives supporting an inclusive environment that honors cultural diversity and gender integration through education, research, and leadership development. We have achieved improved gender balance: female enrollment in engineering reached 35%, while male participation in nursing and nutrition reached 25%. Student government requires equal male-female representation, demonstrating our commitment to gender parity in leadership.

UOP provides continuous programs and opportunities enabling female students and staff to enhance their skills and advancement prospects. Our mentorship program connects female students with accomplished women professionals. We conduct research on gender issues to identify effective solutions and organize workshops on unconscious bias and harassment prevention, while International Women's Day celebrations highlight women's achievements.

Our facilities meaningfully support women's participation. Free nursery services assist female employees with children, and maternity leave follows Jordanian law. We have installed 1,800 security cameras with enhanced lighting to ensure safety, particularly addressing women's security concerns. These practical measures remove barriers to women's full participation in university life.

23
volunteers in initiatives related to SDG 5

Free
nursery services for female employees

10+
female dedicated teams

6
activities related to SDG 5



SDG 05

UOP free nursery for female employees



Abdel-Rahem Crowns Al-Nasr Women's Volleyball Champions



University of Petra Forms Women's Football Team



SDG 06

The University of Petra ensures the availability and sustainable management of water and sanitation for all—SDG6. We provide comprehensive accessibility to water, sanitation, and hygiene services through improved infrastructure and innovative management technologies. In 2024, we demonstrated that institutions can achieve water security even in dry regions through technology and careful planning.

Our wastewater treatment plant processes 37,000 cubic meters annually, providing 60% of campus water needs. The four-stage treatment produces water suitable for irrigation, while all sludge is sent to proper facilities for safe handling. This closed system significantly reduces fresh water demand.

To conserve water, UOP implemented smart infrastructure including water-conserving fixtures such as low-flow toilets and faucets, sensor taps, dual-flush toilets, and flow controls. Drip irrigation systems water plants efficiently, and we select drought-resistant plants requiring less water. These measures reduced per capita water consumption by 30%. Additionally, UOP established a comprehensive rainwater collection system to maximize water conservation.

Cleanliness, sanitation, and hygiene are paramount at UOP. We ensure water quality through regular testing to meet standards. Our Water Laboratory advances research on treatment methods and groundwater management while ensuring all water meets safety requirements.

Based on our commitment to social responsibility, we disseminate knowledge regarding water shortage and sanitation issues through outreach collaborations, alliances, and campaigns. Civil Engineering students learn water treatment to serve Jordan's water sector. UOP engages students, staff, and the community in education and research to improve water management and enhance sanitation systematically.

9

activities
related to
SDG 6

60%

of campus
water needs
are from
recycled water

37,000

cubic meters
of wastewater
treated
annually

water-
conserving

fixtures
installed
across
campus



SDG 06

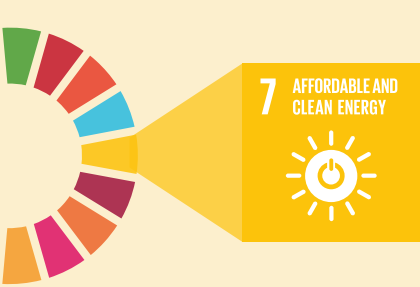
Water Conservation - drip irrigation (University of Petra, Amman, Jordan)



Nidal Hussein of Petra University Wins Leaders in Innovation Fellowship

water and energy efficiency procurements for all maintenance activities





SDG 07

UOP pursues affordable, reliable, sustainable, and modern energy sources—SDG7—through strategic planning, innovative operations, education, and research aimed at increasing energy efficiency and sustainability. In 2024, our 3 MW solar system generated 4,793,269 kWh—120% of our needs—demonstrating institutional energy independence. Surplus electricity feeds the national grid, preventing 2,500 tonnes of CO₂ emissions annually. These installations reduce carbon emissions while serving as practical examples of sustainable smart energy.

Additionally, UOP implemented LED technology campus-wide, reducing lighting energy consumption by 30%. Enhanced insulation systems, smart thermostats, and Building Management Systems optimize energy use continuously. All new equipment must meet highest efficiency ratings. Despite 32% increased building space, electricity consumption rose only 12%, demonstrating effective energy management.

UOP converted 40% of heating from diesel to electric systems, eliminating pollution and improving air quality. Free electric vehicle charging stations support clean transportation and encourage sustainable mobility within our community.

Furthermore, UOP fosters collaboration among scholars, students, staff, industry, and stakeholders to develop innovative solutions for global energy challenges. Students engage directly with our energy systems: Engineering students analyze real solar data, while research projects explore energy storage and efficiency. International partnerships extend our energy experience to other universities, expanding impact beyond campus.

UOP disseminates knowledge and empowers students and community members through workshops, seminars, and collaborations on renewable energy and conservation, motivating advancement toward sustainable energy practices.

5

GW-h of clean solar electrical energy generated

120%

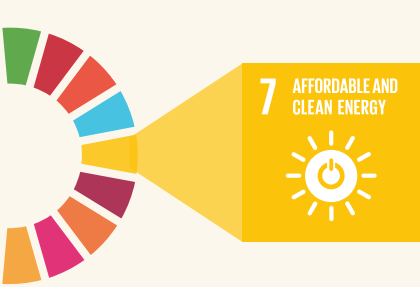
of campus electricity needs generated from clean solar energy

5

activities related to SDG 7

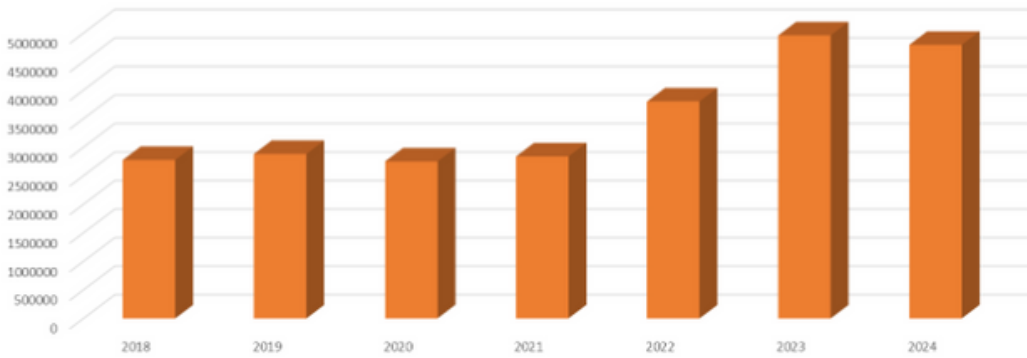
2500+

ton of CO₂ eq emissions prevented



SDG 07

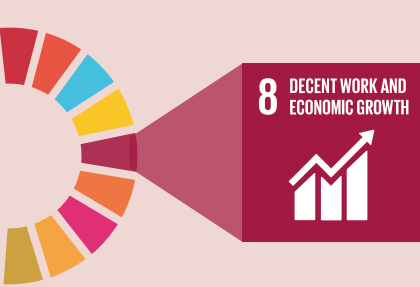
University of Petra annual electricity generation from renewable energy sources, in kw-h



Annual Electricity generated by university of Petra PV-Solar system, in kW-h

University of Petra PV system





SDG 08

8

initiatives
related to
SDG 8

UOP promotes sustainable economic growth, productive employment, and decent work for all—SDG8—through strategic planning, innovative programs, and collaborations. We foster an academic environment that develops quality learning, creativity, and research opportunities while building competencies among our community and preparing students for critical thinking and lifelong learning to compete effectively in the marketplace.

100

volunteers in
initiatives
related
to SDG 8

UOP's strategic plan (2024-2028) focuses on digital transformation, artificial intelligence, innovation, and excellence in education, research, partnerships, and career orientation to increase employability and sustainable growth. In 2024, we strengthened our role as a regional economic engine through programs aligned with job market needs. Business Intelligence, Data Analytics, Information Security, and AI programs prepare students for high-demand careers. One in four graduates secures green jobs, demonstrating our career-oriented approach's effectiveness.

94

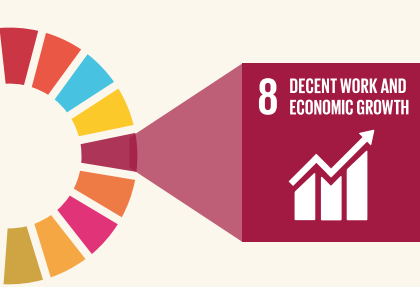
activities
related to
SDG 8

Economic growth begins with our entrepreneur students, staff, and researchers through comprehensive innovative programs where laboratories and business incubators transform ideas into viable businesses. Our Business Incubator supports seven startups, including TakalamTech, creating jobs and demonstrating innovation potential. Research on financial technology and AI helps modernize the economy while students contribute 16,000 volunteer hours yearly.

1008

volunteered
hours
in initiatives
related
to SDG 8

UOP offers comprehensive career services including training courses, job placement assistance, and professional development programs. Partnerships with organizations like Jordan Ahli Bank provide internships and employment opportunities, bridging education and industry effectively. Our collaborations enable market research and practical experience while the university creates jobs directly through construction, maintenance, research, and administration. We support local businesses and invest savings into programs, training staff regularly to drive inclusive economic growth sustainably.



SDG 08



The Academic Development Center at the University of Petra organized a training workshop on Employing Artificial Intelligence Tools in the Academic Field

University of Petra's Center for Academic Development Holds Orientation and Training Program for New Faculty Members



University of Petra organized a training workshop at the International Leaders Schools titled: "Leadership and Its Impact on Performance,"





SDG 09

UOP advances resilient infrastructure, inclusive sustainable industrialization, and innovation—SDG9—through strategic planning, education, research, and modern technology integration. In 2024, we strengthened infrastructure for education, research, and community needs while advancing technological capabilities. The ninth pillar of our strategic plan (2024-2028) focuses on business growth and sustainability, targeting fourth-generation education and technology, financial sustainability, comprehensive educational programs, knowledge management systems, and strategic risk assessment. UOP enhances scientific research and upgrades technological capabilities for staff and students.

Our ICT system features twelve integrated platforms through one portal, enabling data-driven decisions. UOP employs quality, resilient, environmentally-friendly infrastructure across 150,450 square meters of smart buildings with automation and safety systems. Over 1,800 cameras provide real-time monitoring for secure, efficient operations.

Research infrastructure supports advanced work comprehensively. The Water Laboratory offers sophisticated analytical equipment for water quality analysis. Engineering labs facilitate prototype development, while the pharmaceutical center enables drug discovery research. With \$868,810 allocated yearly for sustainability research, we produced 389 publications, demonstrating significant research impact. Sustainable industrialization concepts permeate our academic programs and research, emphasizing sustainable practices and green technologies. Our Smart Cities master's program prepares urban innovation leaders, while Engineering Management, Information Security, and Data Science programs address infrastructure development needs. Partnerships with companies like Huawei enhance our technological capabilities.

We cultivate innovation and entrepreneurship through collaborations with businesses, academia, and industry, fostering student knowledge and skills in an environment that encourages revolutionary concepts for technical advancement and sustainable development.

12

initiatives
related to
SDG 9

389

volunteers
in initiatives
related
to SDG 9

100+

activities
related to
SDG 9

5687

volunteered
hours in
initiatives
related to
SDG 9



**University of Petra Honors
Winners of "Internet of
Things" Competition**



**Memorandum of
Understanding between
Digital Economy and
Entrepreneurship Ministry and
University of Petra**

**University of Petra Secures
Second Place in the Arab AI
and IoT Challenge**





SDG 10

UOP reduces inequalities within and across countries—SDG10. The university is committed to equal opportunities for learning and excellence, respecting diversity, plurality, and others' opinions while promoting social justice, responsibility, teamwork, and collaboration regardless of age, sex, disability, race, ethnicity, origin, religion, economic status, or other factors. To achieve this, UOP advocates inclusive practices, facilitates equal access, establishes global connections, addresses gaps, and fosters equity.

Our fiscal, wage, and social policies protect equality among staff and students. UOP tackles inequality through systematic programs supporting marginalized minorities. Every building includes ramps, elevators, and facilities for people with disabilities, with retrofitted old buildings ensuring universal access. Online resources accommodate screen readers, and alternative formats guarantee accessibility for all, cultivating an inclusive culture where everyone can flourish.

UOP addresses educational inequalities through systematic financial assistance, flexible payment options, scholarships, and support services for vulnerable students, eliminating obstacles and enhancing accessibility. Free transportation removes commuting barriers, free healthcare eliminates medical costs, and free nursery services support working parents. These initiatives ensure talented students succeed regardless of income.

We actively celebrate diversity. Students from 35 countries enrich our community, while exchange programs with several universities promote global understanding. Language support helps non-native speakers integrate successfully, equal support reaches all student groups, and anti-discrimination policies maintain inclusivity. UOP engages in national and international cooperative alliances, exchanging knowledge and resources to reduce inequalities comprehensively and sustainably.

3

initiatives
related to
SDG 10

81

volunteers in
initiatives
related to
SDG 10

57

activities
related to
SDG 10

692

volunteered
hours in
initiatives
related to
SDG 10



SDG 10





SDG 11

UOP promotes safe, sustainable, resilient, and inclusive cities and human settlements—SDG11—through strategic planning, community engagement, and disaster risk reduction initiatives. The 4th pillar of our strategic plan (2024-2028) reflects our commitment to providing a safe, healthy, and green campus environment, demonstrating how institutions can achieve environmental excellence while improving quality of life.

We systematically improve infrastructure through environmentally-friendly construction methods, eco-friendly landscaping, and sustainable materials. Our campus design demonstrates comprehensive sustainability: 75.5% open space—rare in urban settings—and 42.8% green coverage including 20,525 m² of forest providing clean air and natural cooling. Located between two forests, we maintain ecological connections. Public bus Line 61 reduces car dependence, while our pedestrian campus eliminates vehicle-pedestrian conflicts. The five-story parking maximizes land use and offers EV charging stations.

Smart technology optimizes resources effectively. Building Management Systems coordinate all facilities with real-time monitoring enabling quick responses. Integration of solar energy, water recycling, and waste systems demonstrates circular economy principles in action.

Risk assessment and management—strategic plan pillar 7—are priorities at UOP. We implement comprehensive preventive measures, strengthen facilities to comply with safety standards, and deploy security systems protecting our community.

UOP encourages active community collaboration through partnerships with local, national, and international institutions addressing urban challenges. We organize 88 sustainability events yearly, train local school teachers on sustainable practices, and mobilize 700+ people through Nahno initiatives. Our partnership with Jordan Green Building Council advances sustainable construction practices regionally and nationally.

30

initiatives
related to
SDG 11

726

volunteers in
initiatives
related to
SDG 11

57

activities
related to
SDG 11

9614

volunteered
hours in
initiatives
related to
SDG 11

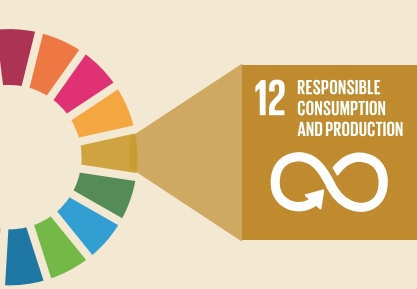


**University of Petra
Concludes First Phase of
School Children's Road
Safety Initiative**

**University of Petra
Participates in Evaluating
Scientific Projects at Al-
Hasaad Schools**



**UOP Annual Exhibition
"Resilient" titled "Heritage
and Climate Change" in
2024**



SDG 12

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3

initiatives related to SDG 12

113

volunteers in initiatives related to SDG 12

17

activities related to SDG 12

60%

of used water is recycled



UOP Annual Text Books Recycle Exhibition



University of Petra Students Shine, Winning Two Top Awards at Smart Food Conference

Students from the University of Petra Volunteer in Clothing Bank Activities





SDG 13

UOP continuously takes urgent action to combat climate change—SDG13—through strategic planning of innovative research, effective campus initiatives, community engagement, minimizing our environmental footprint, enhancing climate adaptation ability, and increasing resilience to climate-related hazards. In 2024, we intensified efforts to cut emissions, build resilience, and prepare students to lead on climate challenges.

We address climate change through preventive measures: converting to solar energy systems, improving energy efficiency, responsible material consumption, effective waste management, comprehensive recycling, and enhancing mass transportation. We achieved significant emission reductions: solar energy prevents 2,500 tonnes CO₂ yearly, while converting heating from diesel to electric eliminates direct emissions. Improved public transport and pedestrian areas cut transport emissions by 30%. Smart buildings reduce energy waste. These measures reduced greenhouse gases and positioned us as regional leaders in carbon emission reduction.

We adapt to climate impacts comprehensively. Green infrastructure moderates temperatures and manages rainwater. Water recycling reduces drought vulnerability. Native plants thrive in changing conditions. Buildings use passive cooling during heat waves, demonstrating integrated climate resilience. Our researchers examine climate dynamics, formulate sustainable solutions, collaborate with industry and academic institutions, and provide essential insights. Research on climate adaptation addresses Jordan's specific needs.

We raise awareness through climate education: our COP28 workshop brought global discussions to campus, while Environmental Impact courses teach climate-conscious decisions. Education programs including seminars, workshops, and campaigns motivate collective action toward a resilient, sustainable future.

2

initiatives related to SDG 13

1120

volunteered hours in initiatives related to SDG 13

6

activities related to SDG 13

120%

of electricity needs generated from clean energy source



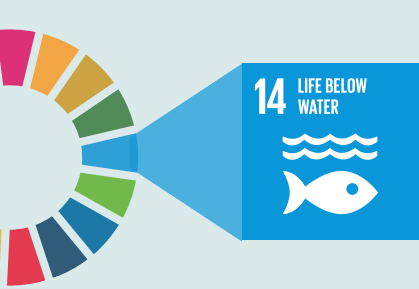
SDG 13



Workshop at University of Petra to Discuss Decisions and Outcomes of the 28th Annual United Nations Climate Change Conference COP 28

The Faculty of Architecture and Design at the University of Petra Opens Its Annual Exhibition "Resilient" and Holds Its Scientific Day on "Heritage and Climate Change"





SDG 14

UOP works extensively toward conserving and sustainably using oceans, seas, and marine resources for sustainable development—SDG14—through implementing comprehensive educational programs and research, and active community engagement toward encouraging the adoption of sustainable practices. Though Jordan has limited coastline, University of Petra recognizes connections between land and sea. In 2024, we contributed to water bodies conservation through research, education, and preventing pollution.

Our research focuses on biodiversity and the effects of climate change on ecosystem diversity to cultivate raising knowledge and awareness toward strategies for preserving as well as responsibly utilizing marine resources. Research addresses marine challenges directly: we study seagrass extracts for medicine, promoting ocean value, while environmental chemistry examines how pollutants reach oceans. International partners enable marine research despite our location, advancing science while training students in marine conservation approaches.

Our educational programs are oriented to promote the sustainability concept and practices where we focus on enriching students with knowledge and skills toward preserving the environment and ecosystems, natural resources, cultivating leadership in saving water. Education includes marine perspectives comprehensively: environmental engineering prevents water pollution that reaches oceans, while chemistry studies microplastics connecting consumption to marine pollution. International partnerships give students marine conservation experience, and guest lectures broaden ocean awareness among our community.

We prevent pollution at source systematically. Proper hazardous waste management keeps toxins from water systems. Our treatment plant removes pollutants before discharge. Plastic reduction decreases marine debris. Sustainable purchasing avoids ocean-harming products, demonstrating how inland institutions can help protect oceans effectively.

In addition, we collaborate with local, national, and international organizations, governmental and non-governmental organizations to address water body and maritime environmental challenges to find sustainable solutions utilizing outreaching initiatives, public awareness campaigns, and collaborative projects to disseminate knowledge and encourage joint efforts to protect seas and marine ecosystems sustainably.

UOP

treated all
wastewater in
campus

UOP

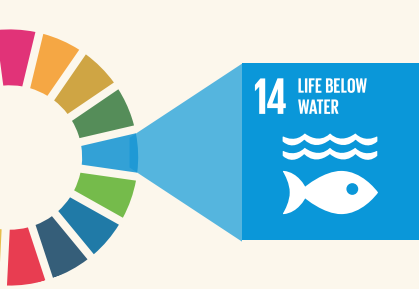
reused all
treated
wastewater for
irrigation
purposes

UOP

adopted drip
irrigation
across campus

UOP

safely
managed all
toxic waste
against any
irresponsible
discharge



SDG 14

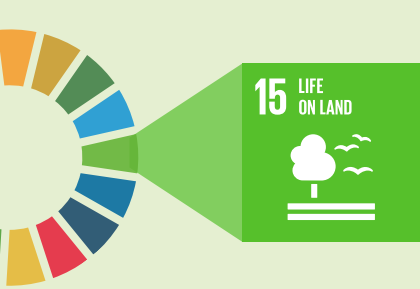


Annual Exhibition "Resilient" Focusing on Preservation of Natural Resources



University of Petra Hosts CEO of Water, Energy and Environmental Consulting Company focused on "Water bodies protection in Jordan"





SDG 15

UOP protects, restores, and promotes sustainable use of terrestrial ecosystems, sustainably manages forests, combats desertification, halts and reverses land degradation, and halts biodiversity loss—SDG15. UOP is extensively dedicated to conserving natural ecosystems through strategic planning for innovative research, environmental management programs, and collaborative initiatives. In 2024, we advanced biodiversity conservation and sustainable land management through direct action and education.

In order to promote SDG15, we at UOP created novel strategies for effective and responsible management of natural resources, sustainable land management, preserving forests, protecting diversity, tackling issues such as deforestation and habitat loss, and performing extensive research within the fields of ecology, urbanization, land degradation, and conserving biodiversity. Our campus's 79,065 m² vegetation, including 20,525 m² forest, provides urban wildlife habitat. Native plants support local species while needing less water. The botanical garden preserves indigenous plants and traditional knowledge. Conservation programs protect genetic resources for agriculture and medicine. Tree planting with 700+ participants expands green cover, demonstrating practical ecosystem conservation.

Safeguarding as well as rejuvenating natural areas is one of the indispensable pillars for the UOP strategic plan (2024-2028), where we are actively engaged in in-campus and out-of-campus sustainability projects and initiatives to restore forests, preserve soil, upkeep green areas, support ecosystems, and advance environmental sustainability. We manage land sustainably: organic waste becomes compost for soil, integrated pest management avoids chemicals, stormwater systems prevent erosion and recharge groundwater, and avoiding harmful chemicals protects soil life. Research on soil enhancement fights Jordan's desertification challenges effectively.

In promoting SDG15, UOP strengthens collaborative efforts in ecosystem protection and promotes sustainable land management through joint initiatives, educational outreaches, and conservation campaigns where we extensively collaborate with governmental and non-governmental organizations at the local, national, and international levels, addressing the challenges associated with land degradation and biodiversity loss. Partnerships increase conservation impact: working with Arab Group for Protection of Nature extends regional efforts, while the Mud House preserves traditional building methods. Environmental engineering programs train ecosystem managers equipped with knowledge and skills for sustainable land management. Through protection, restoration, and management, we maintain ecosystems essential for wellbeing and sustainable development.

2

initiatives related to SDG 15

50

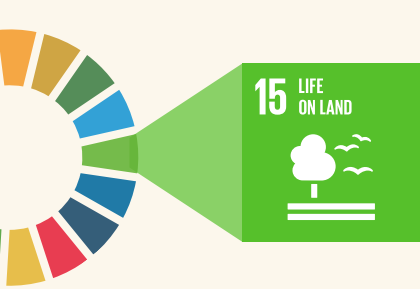
volunteers in initiatives related to SDG 15

8

activities related to SDG 15

1100

volunteered hours in initiatives related to SDG 15



SDG 15



University of Petra Celebrates Tree Day by Planting Olive Trees in its Gardens



SDG 16

UOP promotes peaceful and inclusive societies for sustainable development, provides access to justice for all, and builds effective, accountable, and inclusive institutions at all levels—SDG16—through strengthening openness, engaging the community, effective education and research, and enhancing social equality and justice in-campus and out-of-campus to ensure robust institutions. In 2024, we strengthened governance, enhanced transparency, and advanced justice through education and practice.

We at UOP maintain responsible, accountable, and caring leadership to maintain our vision through implementing transparent ethical standards where we are committed to social justice and responsibility. Governance ensures inclusive decisions: Quality Assurance tracks performance with data for evidence-based choices, stakeholder consultations bring diverse views to planning, the Equality and Sustainability Office ensures social justice in policies, and student representation brings youth voices to decisions. These create responsive institutions that serve all community members effectively.

Transparency builds trust systematically. We publish annual sustainability reports since 2021. We disclose budget allocations—16.9% for sustainability. ICT systems provide real-time performance data, and regular audits ensure compliance. Open communication enables feedback and complaints, fostering accountability at all institutional levels.

We at UOP are centered toward creating a harmonized and inclusive campus atmosphere to cultivate a friendly fair environment where policies, initiatives and events, training, and mediation services are enacted to strengthen open communications and collaborations, peaceful resolutions of issues and conflicts, and equal opportunities for all members of our community.

Legal resources and simulations are available at UOP where we provide knowledge, counseling, assistance clinics, and educational programs directed to promote legal rights and duties to all UOP community. Justice education advances equity comprehensively: Law programs run 'Justice for All' activities, we work with the Election Commission on democracy, free legal consultations help community members, and research on governance improves public administration. Through education, service, and example, we build just societies and strengthen institutional capacity for peace and sustainable development

5

initiatives related to SDG 16

187

volunteers in initiatives related to SDG 16

98

activities related to SDG 16

1508

volunteered hours in initiatives related to SDG 16



Faculty of Law at University of Petra Hosts Workshop for Independent Election Commission on “Election Law and Political Parties Law”

University of Petra Participates in Drug Awareness Workshop on the Dangers of Drugs





SDG 17

Our 8th strategic pillar for 2024-2028, at UOP, strengthens the means of implementation and revitalizes the Global Partnership for Sustainable Development through capacity building and development, science, technology and research, multi-stakeholder and community partnerships, and pooling of domestic resources—SDG17. In 2024, our networks across local, national, and international levels multiplied impact across all SDGs.

Our partnerships and collaborations extended from in-campus to out-of-campus communities, stakeholders and businesses, academia and industry, governmental and non-governmental organizations locally, nationally, and internationally. International partnerships bring and share knowledge: we work with universities in North America, Europe, and Asia for research, exchanges, and knowledge transfer. Utah State University partnership advances research capabilities, while University College London enables student mobility. International Association membership connects us globally to sustainability networks. National partnerships leverage resources effectively: government agreements align with national priorities, partnerships with 44 companies provide jobs, research funds, and experience, and NGO collaborations extend community reach. Crown Prince Foundation's Nahno initiatives mobilize youth for sustainability action. All of which helped us to tackle international sustainability issues, ensure efficient use of resources, exchange knowledge, and cooperate in sustainability projects.

Multi-stakeholder engagement ensures comprehensive solutions. Sustainability programs involve government, business, civil society, and communities collaboratively. Research projects combine diverse expertise from multiple sectors. Service initiatives mobilize volunteers across sectors for collective impact. Inclusive partnerships demonstrate that SDGs require collective action and shared commitment.

UOP actively engages in procuring financial resources to support sustainable development programs, seeking grants for research funding, cultivating significant impact on sustainability projects and initiatives. UOP community continuously engages in conferences, seminars, research projects, and forums tackling and resolving sustainability issues, exchanging knowledge, building capacity, and reinforcing our position in sustainability leadership regionally and internationally.

31

initiatives related to SDG 17

868

volunteers in initiatives related to SDG 17

200+

activities related to SDG 17

8430

volunteered hours in initiatives related to SDG 17



SDG 17



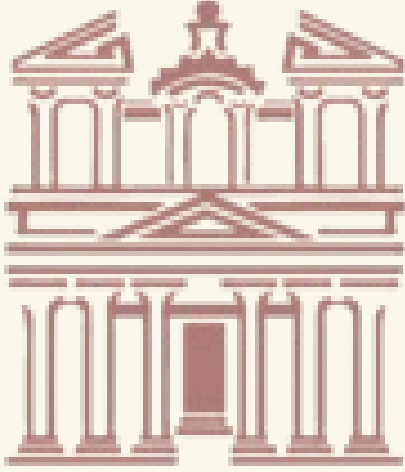
The University of Petra Business Incubator Hosts Law Students to Promote Entrepreneurship



President of the University of Petra, participated in the 16th Arab Conference on the Peaceful Uses of Atomic Energy

University of Petra Participates in Ministry of Youth Meeting to Enhance Cooperation in Entrepreneurial Programs





University of Petra
2024