



KFU SUSTAINABLE

Annual Report 2024



KFU Sustainable Annual Report 2024

Sustainability Report outline 2024

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- SDG10: Reduced Inequalities
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- SDG12: Responsible Consumption and Production
- SDG13: Climate Action
- SDG14: Life Below Water
- SDG15: Life on Land
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Rector's welcome

Prof. Adel Abuzenadah

King Faisal University (KFU) possesses extensive resources that empower it to excel and lead at both national and regional levels, reflecting its distinguished legacy and long-standing tradition of excellence. In light of the profound transformation currently shaping our nation's development, the time has come to capitalize on these resources to elevate the university's aspirations toward broader horizons, anchored in its solid scientific foundation and distinguished research institutions.

Guided by an ambitious vision, King Faisal University is committed to addressing global challenges related to food security and environmental sustainability, in alignment with the United Nations Sustainable Development Goals (SDGs). We pursue these objectives through our core functions: enhancing teaching, learning, and research; fostering impactful community partnerships; and advancing innovation and business development initiatives.

We are confident that in the coming years, the university will achieve further milestones and generate a meaningful impact on both local and global communities. Moreover, KFU's agility and highly qualified human capital position it well to adapt to future developments and continuously refine its strategic direction. It is our pleasure to present this overview of the university's ongoing efforts toward achieving the Sustainable Development Goals.

Key facts about KFU



Previous Ranking Data

PROGRESS

2023: 40

2022: 99

Ranking among the top 100 universities in the world



7



8



9



11



23





Ranked First in Saudi Arabia in Six Sustainable Development Goals













Sustainable Development Goals (SDGs)

SDG1: No Poverty

SDG2: Zero Hunger

SDG3: Good Health and Well-being

SDG4: Quality Education SDG5: Gender Equality

SDG6: Clean Water and Sanitation SDG7: Affordable and Clean Energy

SDG8: Decent Work and Economic Growth

SDG9: Industry, Innovation and Infrastructure

SDG10: Reduced Inequalities

SDG11: Sustainable Cities and Communities

SDG12: Responsible Consumption and Production

SDG13: Climate Action

SDG14: Life Below Water

SDG15: Life on Land

SDG16: Peace, Justice and Strong Institutions

SDG17: Partnerships for the Goals

TSP 100 WORLDWIDE UNIVERSITIES GRANTED U.S. UTILITY PATENTS

2024

8	NSTITUTION RANKING	#OF PATENTS	1		# OF ENTS
1	KING FAISAL UNIVERSITY	631	25	CORNELL UNIVERSITY	105
2	THE REGENTS OF THE		26	UNIVERSITY OF COLORADO	104
	UNIVERSITY OF CALIFORNIA	540	27	REGENTS OF THE UNIVERSITY OF MINNESOTA	103
3	MASSACHUSETTS INSTITUTE		28	UNIVERSITY OF PITTSBURGH	102
	OF TECHNOLOGY	295	29	COLUMBIA UNIVERSITY	101
4	ZHEJIANG UNIVERSITY	266	30	GEORGIA TECH RESEARCH CORPORATION	100
5	KING FAHD UNIVERSITY OF		31	THE UNIVERSITY OF ARIZONA	96
	PETROLEUM AND MINERALS	265	32	CITY UNIVERSITY OF HONG KONG	95
6	THE UNIVERSITY OF TEXAS SYSTEM		33	OSAKA UNIVERSITY	89
	PURDUE UNIVERSITY		34	UNIVERSITY OF MASSACHUSETTS	86
	STANFORD UNIVERSITY		35	UNIVERSITY OF ILLINOIS	85
	ARIZONA STATE UNIVERSITY		36	SUNGKYUNKWAN UNIVERSITY	84
	KOREA ADVANCED INSTITUTE OF		37	YONSEI UNIVERSITY	83
83%	SCIENCE AND TECHNOLOGY	176	38	UNIVERSITY OF SOUTH FLORIDA	82
11	HARVARD UNIVERSITY		38	WASHINGTON UNIVERSITY IN ST. LOUIS	82
	UNIVERSITY OF MICHIGAN		40	DALIAN UNIVERSITY OF TECHNOLOGY	81
	JOHNS HOPKINS UNIVERSITY		40	JIANGNAN UNIVERSITY	81
	CALIFORNIA INSTITUTE OF TECHNOLOGY		40	THE OHIO STATE UNIVERSITY	81
	IMAM ABDULRAHMAN BIN FAISAL UNIVER		43	SOOCHOW UNIVERSITY	80
	TSINGHUA UNIVERSITY		44	THE STATE UNIVERSITY OF NEW YORK (SUNY)	78
	NORTHWESTERN UNIVERSITY		45	CASE WESTERN RESERVE UNIVERSITY	77
	SEOUL NATIONAL UNIVERSITY		46	JIANGSU UNIVERSITY	73
	WISCONSIN ALUMNI RESEARCH FOUNDAT	2000	47	CARNEGIE MELLON UNIVERSITY	72
	(UNIVERSITY OF WISCONSIN)	19500 A	47	SHANGHAI JIAO TONG UNIVERSITY	72
20	UNIVERSITY OF FLORIDA		47	YALE UNIVERSITY	72
S.T.	RESEARCH FOUNDATION INC	170	50	UNIVERSITY OF WASHINGTON	70
21	KOREA UNIVERSITY RESEARCH AND		51	HUAZHONG UNIVERSITY OF SCIENCE	
375	BUSINESS FOUNDATION	119		AND TECHNOLOGY	68
22	UNIVERSITY SYSTEM OF MARYLAND		51	SOUTHEAST UNIVERSITY	
	UNIVERSITY OF PENNSYLVANIA		51	UNIVERSITY OF CENTRAL FLORIDA	
	DUKE UNIVERSITY			RESEARCH FOUNDATION INC	68
-	WWINE WITH FEMALE CO.				

King Faisal University

OVERALL SDG RANKING 40



Phil Baty
Chief global affairs officer
Times Higher Education





ertiticate

This certificate is awarded to

King Faisal University

in 2024 UI GreenMetric World University Rankings as The 208th World's Most Sustainable University

12 December, 2024



Prof. Dr. Ir. Riri Fitri Sari, M.M., M.Sc. Chairperson of Ul GreenMetric



1 NO POVERTY

GLOBAL RANKING

11





PUBLICATIONS: 34

🛗 Data for year: 2020-2024 (SciVal)

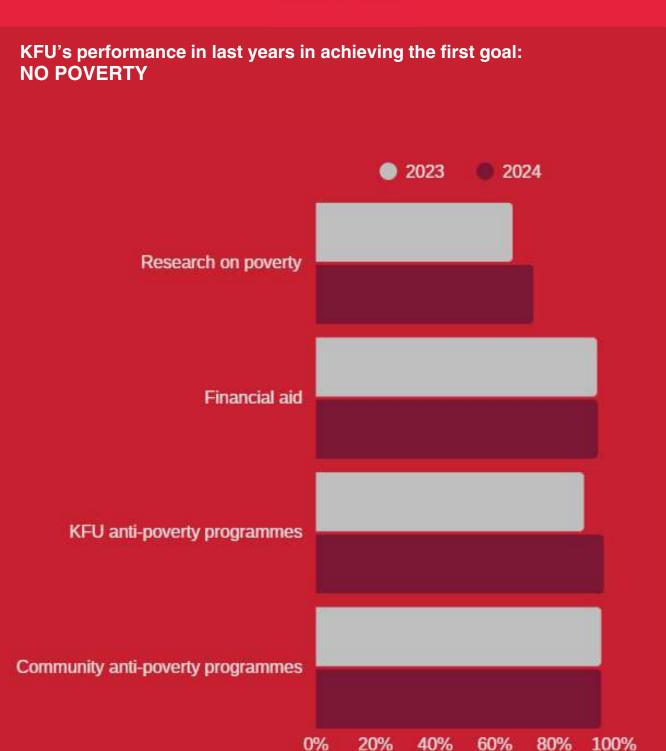
End poverty in all its forms everywhere















KFU affirms its commitment to ensuring that affordable and inclusive education is available to students from low-income households. In line Sustainable Development Goal 1 (No Poverty), the university has adopted procedures and policies to remove financial barriers and expand access for under-represented disadvantaged and groups.

Free Tuition for Undergraduates: The university declares that undergraduate education is free for all students (including domestic and international) under certain admission categories

Targeted Admissions: For the academic 2023-2024, KFU has prioritized admissions for students from: Low-income families bottom financial auintile. international students from developing and third-world countries, and students single-parent households. orphanages. with and students disabilities.

Scholarships: Financial Support & Special scholarships (internal and for outstanding external) and economically disadvantaged students. Exemptions/waivers of tuition and free seats for needy groups partnerships with charitable organizations such as local social welfare associations.

Support Services & Benefits for Low-Income Students: Reduced-cost meals, accommodation provision, travel tickets.



18082



Number of students receiving financial aid 45 <

Number of nationalities of students

Student Fund: Α dedicated fund by the university's managed student affairs division provide to loans. advances, subsidies and employment opportunities for financially vulnerable students

Scholarships: KFU offers Graduate comprehensive scholarships across all academic levels to foster excellence and exceptional talent. attract These scholarships include fully funded doctoral programs. such as the PhD Mathematics, designed to support distinguished pursuing students in advanced research and academic achievement.





KFU Platform for Free Training: These include courses, workshops, seminars, and lectures designed to enhance students' academic. professional. and skills. personal The programs are delivered by distinguished faculty members. experts. and outstanding students from within and outside the university.

Supporting Student Activities and Recognizing Excellence: The Student Fund actively supports all forms of student engagement religious, cultural, artistic, social, and athletic while also providing awards and incentives to students who excel in extracurricular activities.

Attracting Outstanding High School Graduates: The university implements a strategy to attract top-performing high school graduates, especially those who have achieved international recognition, such as ISEF 2022 award winners. These receive multiple students benefits. including: Direct admission (bypassing the preparatory year), Enrollment in the university's entrepreneurship incubation program, Financial and technical support for research, Guidance for publishing and registration. Support participation in national and international competitions, and Access the to university's industrial and technology network for innovation commercialization.

Student Research Grants: Through the Deanship of Scientific Research, KFU funds and supports student-led research by providing financial rewards, resources, and technical assistance throughout their

research journey, encouraging a culture of inquiry and innovation among students.

Integration Program for Orphans: As part of its social responsibility initiatives, the university launched the Integration Program for Orphans, now in its third edition (2024). This summer program offers orphans scientific, cultural, and training opportunities on campus, aiming to develop their skills and support human capacity building in line with national priorities.



Discounts for university staff and students on certain sports activities at the university











Mawhiba Academic **Enrichment** Program 2024: In partnership with the King Abdulaziz and His Companions Foundation for Giftedness and Creativity (Mawhiba), and under the supervision of the National Center for Giftedness and Creativity Research, KFU hosted the Mawhiba Academic Enrichment Program during the 2024 summer break. The three-week program brought together 134 talented students and 22 trainers and assistants, offering five modules that combined scientific, training, skills-based, volunteering, and administrative activities. These were delivered through two main tracks: scientific and skills-based. The closing ceremony featured an exhibition highlighting the students' most innovative projects and research across key areas

including medical and biological sciences, data science and artificial intelligence, cybersecurity, renewable energy, and physics (theoretical and applied).

KFU recognizes that cultivating entrepreneurship, innovation and start-up activity within the university ecosystem is a key strategic objective. This aligns with its institutional strategic plan (2020-2024) which emphasizes "establishing and nurturing the university's innovation and business development system and enhancing its economic capabilities".







The start-up initiative is part of KFU's broader sustainability and institutional identity transforming research, ideas and student/faculty projects into viable enterprises that contribute to the regional economy, job creation and the knowledge-based society.

Incubators & Startup Support: KFU has developed a structured incubator system within its Innovation District. This includes multiple thematic incubators: for food security and environmental sustainability, digital technologies (Al, software), a general start-up accelerator, and a business incubator welcoming cross-discipline ideas.

Entrepreneurial Pipeline: The university supports ventures at different stages from ideation to prototype, to market registration and growth.

Support Services & Ecosystem: KFU provides business development training, legal/financial mentorship. advisorv services, workspace within the Innovation exposure to investors. District. industry connections. lt : also hosts hackathons. pitch competitions and events that engage students, faculty and external entrepreneurs.

Entrepreneurship Product from the Social Development Bank: KFU supports the Entrepreneurship Product initiative of the Social Development Bank, which provides financing for startup projects and entrepreneurial ventures. The program offers funding ranging from 50,000 to 500,000 SAR to support



Innovation Week 2024 to promote a culture of innovation, intellectual property and entrepreneurship

assets, operations, and the establishment of commercial projects owned by Saudi citizens across various sectors, fostering innovation and economic empowerment.









لا تبدأ من الصفر ابدأ بمنتج رواد الأعمال بتمويل يصل إلى



من بنك التنمية الاجتماعية



سجِّل الآن وكون رائد الأعمال

عند التُسجِيل اختيار فرع بنـك التنمية الاجتماعية بالأحساء الجمة الشريكة: مركز ريادة الأعمال بجامـعة الملك فيصل

لمزيد من المعلومات التواصل مع مشرفة البرنامج بالجامعة

أ.عائشه المخابطه:

مدرب معتمد للتميئة للتمويل من بلك التنمية الاجتماعية
عداب معتمد للتميئة للتمويل من بلك التنمية الاجتماعية عداب asimokhaltahakfu.edu.sa 📞 0135896881 💥 pecni_kfu









Sahem Social **Entrepreneurship** Program: KFU, in collaboration with the King Khalid Foundation, implemented the fifth edition of the Sahem for Innovation and Social Entrepreneurship program at the university's campus in Al-Ahsa. The program aims to build the capacities of Saudi youth in innovation and social entrepreneurship, empowering them to develop sustainable solutions to societal challenges and contribute effectively to achieving Saudi Vision 2030.The threeweek program included an interactive training camp focusing on key theories innovation, of entrepreneurship, and creative thinking, followed by a hackathon in which 12 teams (76 male and female students) competed to present innovative projects. The Sahem initiative also promotes a culture of innovation, strengthens civic engagement, and enhances selfconfidence among young participants. It forms part of a broader capacity-building program designed to strengthen the skills, systems, and institutional performance of organizations non-profit across the Kingdom.









Future Scientists Program





GLOBAL RANKING

2 ZERO HUNGER

23





PUBLICATIONS: 352

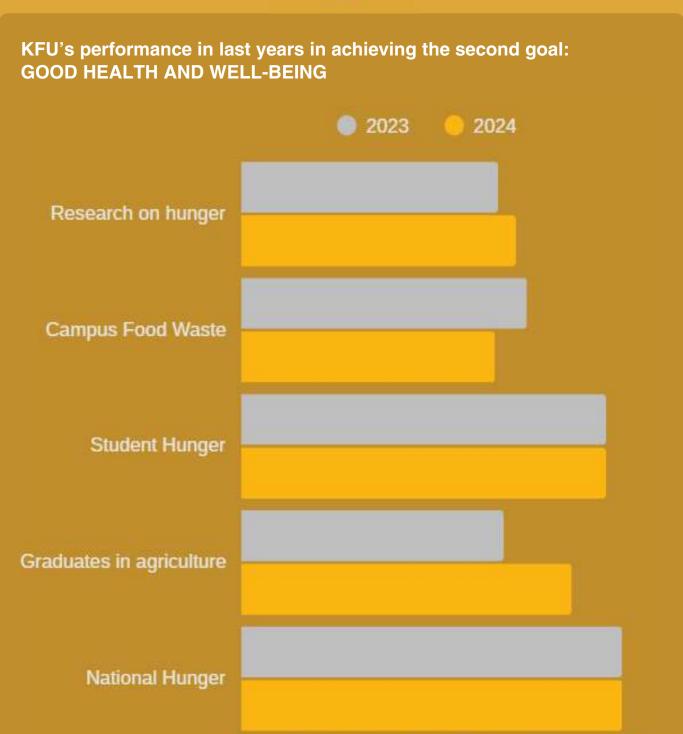
🛗 Data for year: 2020-2024 (SciVal)

End hunger, achieve food security and improved nutrition and promote sustainable agriculture.









0%

20%

40%

60%

80%

100%





KFU states that its institutional identity emphasizes contributions to national food-security and reducing hunger through research, innovation, agriculture programs, food-services operations and sustainability education.

Agricultural Innovation & Value-added Food Products: As a part of enhancing food security KFU has produced several sustainable food-products using the date-palm (a major local crop). This reflects an effort to move beyond raw crop production to value-added processing.

Campus Food Services with Nutrition Support: The university's Nutrition Unit supports students and faculty with regular three-meal service daily (breakfast, lunch, dinner) in its cafeterias helping ensure food access for its campus community.

Educational Programs: KFU offers programs in biotechnology, medicinal plants, and educational platforms aimed at professional development in emerging disciplines connected to food-security, agriculture and nutrition.

KFU places an emphasis on promoting healthy eating habits across its campus community as part of its broader sustainability strategy.

The "Healthy Food" initiative covers two key areas:

Nutritional Education & Awareness: The university runs awareness campaigns, workshops and training



The "Our Ahsa is Capable" initiative to support university students and the community by providing breakfast meals during the holy month of Ramadan

sessions to help students, faculty and staff understand the importance of balanced diets, the risks of fast-food diets, and healthy eating behaviours.

Healthy Food Services: KFU's campus food-services operations provide accessible healthy meals and incorporate nutrition-standards into their menus.



healthy breakfast





KFU recognizes the importance of supporting the agricultural sector especially local farmers and producers through knowledge sharing, technological support, and access to institutional capabilities.

The "Farmer Access" initiative is part of KFU's institutional identity around food-security and environmental sustainability, meaning the university does not limit its role to education of students, but extends support outward to local agricultural stakeholders.

KFU provides technical and scientific support to farmers and local producers. This includes access to research laboratories, demonstration fields, farm-stations, and advisory services.

Demonstration / guidance agriculture fields: KFU establishes demonstration farms and guidance fields for crops of relative importance and uses green-house technology suitable to the local environment. These are used as practical sites for training and support for farmers.



Number of graduates from agriculture and aquaculture programs

Beneficiaries of food services



Electronic guidance services: The university has developed platforms for smart communication between agricultural experts and farmers, including local agricultural communication centers and field units for precision agriculture.





Centre of Excellence for Palms & Dates: A specialized research center at KFU assists farmers and local producers (especially for date-palm production) by providing technical advice and research support.

Deployment of training and agricultural-innovation services: KFU organized exhibitions (for example the 2nd Scientific Exhibition of Biotechnology) that include farmers and food-producers as part of audience.



Training programs for agricultural workers in Riyadh, Al-Ahsa, and Al-Qassim

KFU organizes and hosts specialized events aimed at supporting farmers and agricultural stakeholders. For example, the university held the 2nd International Conference on Food Security & Environmental Sustainability from in Al-Ahsa, which included scientific sessions, workshops and hackathons under themes such as "New Farmers and Future Farms".



Training program in Spain on global good agricultural practices standards

College of Agricultural and Food Sciences: College of Agricultural and Food Sciences at KFU actively applies scientific knowledge to support the agricultural sector and local communities. including farmers and food producers. Its contributions span diverse research units, including: Pests and Plant Diseases Unit, Bee Research Unit, Agricultural Extension Unit. Environmental Protection Unit. Central Laboratories. Agricultural Business and Consumer Sciences. Animal and Fish Production, Environment Agricultural Natural Resources, Agricultural Biotechnology, Arid Land Agriculture, Food Science and Nutrition, Agricultural Systems Engineering,

Initiatives and Programs:

Scientific Exhibitions and Workshops: The Second Scientific Exhibition on Biotechnology highlighted biotechnology's role in food security and environmental sustainability for farmers and producers. A training workshop with the Agricultural







محطة الأبحاث والتدريب Hesearch and Training Station

أهداف القطاع

- تقديم تدريب عالى الجودة للنمية القدرات واكتساب المهارات العملية اللازمة للطلبة والطالبات والافراد والمهتمين وفف الخطة الاستراتيجية للجامعة والتب تخدم الأهداف العامة.
- تقديم برامج تدريبية وورش عمل علمية وملدسية وزراعية وتطبيقية متميزة تساهم فب اثراء المعرفة وتحويلما الي أفكار ومشاريع تنفيذية قابئة لتتطبيق
- الاستفادة في تفعيل مرافق ومشاريم المحطة المتنوعة وإيجاد منظومة متميزة للتدريب من خلال الخبرات التراكمية وذلك لمواكبة التطور التقني وما يستجد على الساحة العلمية والتدريبية.
- المساهمة المجتمعية من خلال اعداد وتنفيذ البرامج التحريبية تتطوير القدرات الفنية في المجال الميدالي والتطبيقي للمختصين من داخل و خارج الجامعة

قطاع التدريب

أكدت استراتيجية الجامعة وهويتها على أهمية التدريب ودوره المحوري من تحقيق مستهدفات التنمية ومواصلة الاستثمار في التعليم والتدريب بمختلف مجالاته، وايماناً وذلك من خلال تطوير الكادر البشري بهدف اكتساب الخبرة والمعرفة التي تساعد فب تفيذ الادوار الوظيفية بكفاءة وفعالية.

البرامج التدريبية الرئيسية

أبرنامج التدريب العام

هو برنامج موجه التدريب الطلابي (طلاب وطالبات) ويشمل المتورات العملية والتحريب الميداني والتجريب التخصص تعرجلة البكالوريوس



KFU Training station offers various initiatives toward training and enabling local farmers to maintain and develop the agriculture sector.





Development Fund enhanced technical competencies and human capital in the agricultural sector.

Participation in the International Date Palm Exhibition showcased innovations, products, and nutritional benefits of dates.

Fisheries Research and Extension Services: The Fisheries Research Center Extension Unit provides technical guidance, workshops, training, field visits, and consultations in aquaculture, including modern water-saving techniques, fish health, and feed and water quality analysis.

Saudi Good Agricultural Practices (Saudi GAP) Initiative: In collaboration with the Ministry of Environment, Water, and Agriculture, KFU established nationally recognized standards for agriculture, animal, and fisheries practices, aiming to enhance productivity, quality, and sustainability.

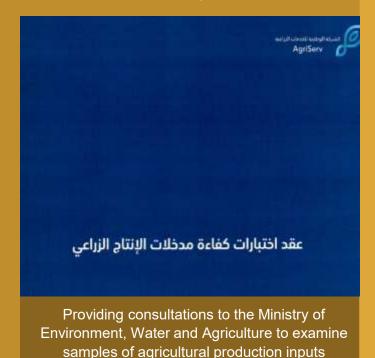
Activities include training support units, developing demonstration fields, implementing greenhouse and precision agriculture technologies, e-extension services, irrigation training, and electronic weather forecasting stations.

The university awards Saudi GAP certifications to farms meeting rigorous standards covering food safety, environmental protection, worker safety, sustainable resource use, and operational management.

Agricultural Medicine Unit: Focuses on the health and safety of agricultural workers, studying prevalent diseases,



promoting research, fostering partnerships, and offering scientific courses and lectures to professionals.









3 GOOD HEALTH AND WELL-BEING

401-600

GLOBAL RANKING





PUBLICATIONS: 1643

🛗 Data for year: 2020-2024 (SciVal)

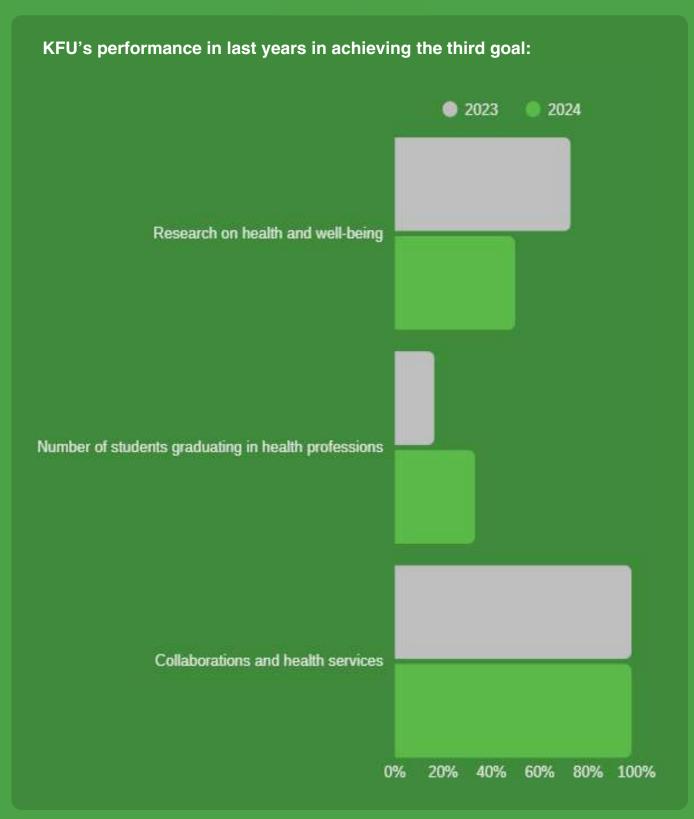
End hunger, achieve food security and improved nutrition and promote sustainable agriculture.



3 GOOD HEALTH AND WELL-BEING











KFU recognizes that advancing health research, education, and services is central to its sustainability mission and regional impact. To achieve these goals, university actively engages collaborations with health-care organizations, hospitals, research centres, private-sector partners. partnerships aim to improve training, expand healthcare infrastructure, and evidence-based interventions support aligned with community needs.

Training for Female Graduates: KFU signed an agreement with Maximus Gulf Limited to provide specialized training for female graduates in health-related disciplines, ensuring equitable access to career opportunities and professional development.

Teaching Hospital Development: The university collaborated with the Al-Ahsa

Health Cluster to support the construction of the KFU Teaching Hospital, which will serve as a hub for clinical training, research, and community health services.

Joint Research & Service Initiatives: KFU engages with various hospitals and medical centers for research collaborations, service provision, and professional development. These partnerships enable the university to contribute to health innovation and enhance the quality of medical education.

KFU recognizes that strengthening health education and training is critical to regional development and sustainability. university offers academic. professional, community-oriented and health programs that aim to produce competent health-care professionals, enhance research capabilities, contribute to the well-being of the wider









King Faisal University Teaching Hospital

KFU Teaching Hospital:

KFU Teaching Hospital is a strategic project that embodies the university's vision to deliver world-class healthcare services and strengthen its role in medical education, training, and research. The hospital serves as a cornerstone in advancing the healthcare system in the Eastern Province and contributes to achieving the objectives of Saudi Vision 2030 in promoting health and educational excellence.

The cooperation agreement between KFU and the Al-Ahsa Health Cluster marks a significant milestone in fostering institutional integration and collaboration. It aims to enhance the quality of healthcare, develop medical education and training programs, and support research and innovation that serve national priorities.

Located in Al-Ahsa on the "Al-Hofuf – Al-Uqair" Road, the hospital's construction

commenced in early 2011 on a total area of approximately one million square meters, with an estimated cost exceeding SAR 490 million. The project comprises the main hospital building (145,000 m²), outpatient clinics (35,000 m²), a physiotherapy center, and a multi-story parking facility. Future development plans include specialized centers for oncology and renal treatment, along with residential units for medical staff. general university hospital accommodates 400 beds across 11 floors and encompasses comprehensive medical specialties. Its facilities include departments of emergency medicine, radiology, surgery, intensive care. burns, cardiology and catheterization, endoscopy, day surgery, obstetrics and gynecology, neonatal and intensive pediatric care, as well as simulation laboratories, classrooms for medical students, and a central pharmacy.





community. These initiatives align with the UN Sustainable Development Goal 3: Good Health and Well-Being.

Academic Programs: Degree programs in medicine, nursing, public health, pharmacy, and allied health sciences. Integration of practical training, internships, and clinical rotations to enhance students' hands-on experience.

Professional Training & Short Courses:

Workshops and certificate courses for health-care practitioners to develop specialized skills and stay updated with evolving medical practices. Collaborative training programs in partnership with hospitals and health authorities.

Community & Outreach Programs: Health awareness campaigns and workshops for the public on nutrition, hygiene, disease prevention, and mental health. Participation in local and national initiatives to improve health literacy and access to care.



World Mental Health Day

Medical Polyclinic

63469



Beneficiaries



A campaign entitled "Promoting health awareness about bone diseases" at Al-Othaim Mall in Al-Ahsa



A breast cancer awareness campaign







An event titled Saudi Organic Food Day

KFU emphasizes the importance of mental health and well-being for its students. faculty and staff. The "Mental Health university's initiative Support" aims to provide a holistic program of psychological, social, physical and financial health services free of charge to all university members, with the goal of enabling them to live healthy, productive lives and to participate positively in the university's mission and the Kingdom's Vision 2030.

General Health & Wellness Program: A free program for all university members covering four tracks: physical health, psychological health, social health and financial health. Its objectives include raising awareness of healthy lifestyle behaviors: providing access health-related knowledge; fostering staff and student belonging to the university; integrating private sector health-sector entities in public-health activities.

Psychological Counselling and



84/



Number of dental clinics that serve the community

Number of graduates in health professions

3024



Number of beneficiaries

Psychological Counselling and Therapeutic Services: The university has a Psychological Counselling Unit offering free psychological, social and career counselling inside colleges and via its central unit.

Awareness Campaigns & Events: A seminar titled "Promoting Mental Health" in the College of Agricultural Sciences.

A mental-health & well-being exhibition under the theme "Mental Health & Well-being for All is a Global Priority".

A competition "Walk & Win" held in conjunction with World Mental Health Day.

Digital and Remote Services: The clinic offers remote psychological-health consultations via the university's website or mobile application, making access easier for all members.







برنامج تعزيز الصحة العامة مسار الصحة النفسية

الإمتنان

الإمتنان هو الإعتراف بجميل الأخرين وشكرهم وتقديرهم على ما قدموه لنا من عمل أو خدمة أو خير سواء كان هذا الخير مادي أو معنوي. ويتضمن الإمتنان تقديم الفرد مشاعره الإيجابية للأخرين ،مثل الحب ومشاعر الشكر والمودة، فضلا عن تقديم عبارات الشكر وحفظ الجميل ورد المساعدة لهم في المستقبل.

♦ فوائد الإمتنان لصحتنا النفسية:

للإمتنان أثر كبير على سعادة الفرد، وتظهر فوائد الإمتنان في النواحي التالية:-

- ♦ النفسية
- يزيد من التفاؤل والرضا عن الحياة
- ♦ يجعلنا أكثر وعياً بحاجات الآخرين ومشكلاتهم
- يزيد من فرحنا وسرورنا وكذلك سعادة الأخرين
- ♦ يعطينا مستويات عالية من المشاعر الإيجابية
 - ♦ الإجتماعية
 - بجعلنا أكثر تسامحاً
 - ♦ ينشر العفو، والسخاء، والرحمة
 - ♦ يقلل من الشعور بالوحدة والعزلة
 - ♦ الحسمية
 - ♦ جهازاً مناعياً قوياً
 - انخفاض ضغط الدم
 - أكثر تحملا للأوجاع وللآلام
- ♦ النوم لفترة جيدة والشعور بالحيويةعند الاستيقاظ من النوم









KFU places a high priority on promoting health and wellbeing on campus, particularly by addressing the harmful effects of tobacco use and exposure second-hand smoke. The university states its objective non-smokers protect to among its staff, students and visitors, create a learning environment free of smoke, and ensure a safer social and environmental setting.





Awareness event about the dangers of breast cancer



4 QUALITY EDUCATION



GLOBAL RANKING

69



PUBLICATIONS: 394

☐Data for year: 2020-2024 (SciVal)

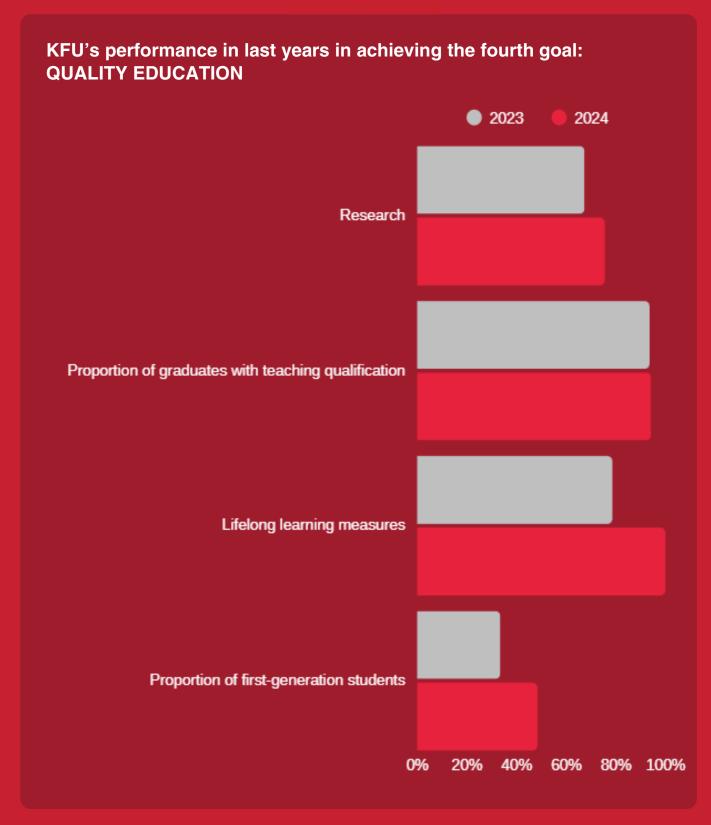
Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.















KFU recognizes that one key dimension of its sustainability strategy is quality, accessible education (aligned with UN Sustainable Development Goal 4: Quality Education). The "Educational Resources" initiative supports this by making open educational materials widely available to students, faculty and the wider community. It situates knowledge sharing and resource accessibility as part of the institutional mission and the broader transformation of higher education.

KFU ensures inclusive access to educational resources for all members of the community through several initiatives and platforms.

The University Central Library serves as the university's gateway to knowledge and a hub for cultural and intellectual engagement. It plays a vital role in community partnership by organizing cultural events, promoting reading, and hosting a children's hall with programs designed to develop reading skills and cognitive awareness among young learners.

The **Ightnaa Platform**, managed by the university, offers specialized educational programs aimed at intellectual growth and professional development, particularly in areas related to the university's identity food security and environmental sustainability.

The College of Applied Sciences supports community education by offering free training programs that enhance skills and knowledge among local participants.



Additionally, the **Masarat Program** enables community members to enroll in selected university courses, empowering them to gain academic and practical experience in fields aligned with their interests and professional aspirations.









Statistics of the Ightnaa Platform







KFU regularly hosts a wide range of events in support of its sustainability mission, institutional identity, and strategic goals. These events include international conferences, forums, hackathons and awareness-weeks that engage students, staff, community partners and external stakeholders. For example.

KFU organized the 2nd International Conference on Food Security and Sustainability **Environmental** cooperation with the Ministry of Environment, Water and Agriculture and the Public Authority for Food Security, addressing national and global challenges such as food security, environmental policy-innovation. sustainability, and services.

Such events serve multiple purposes: building disseminating research. partnerships across academia-industrygovernment, raising awareness sustainability reinforcina topics, and KFU's role as regional а hub for sustainable innovation and knowledge exchange.

Summer Program: KFU offers a diverse summer program with multiple tracks and activities for children of university staff and the wider community, catering to all age groups and fostering creativity, learning, and personal development.

ALECSO Cooperation Agreement: Through a partnership with the Arab League Educational, Cultural and Scientific Organization (ALECSO), KFU enhances the skills of faculty members



Career Week 2024

from member states. More than 1,000 trainees from 22 Arab countries have benefited from the university's online training programs, strengthening regional academic collaboration.

World Children's Day 2024: KFU actively participated in World Children's Day, supporting Saudi Arabia's efforts to



Number of beneficiaries from countries through the cooperation agreement between the Arab Organization (ALECSO)





promote child welfare and highlighting Al-Ahsa as the Kingdom's first "Child-Friendly" city, recognized by UNICEF. The event included workshops, scientific papers, exhibitions, psychological guidance, intelligence testing, and arts activities, providing students, teachers, and professionals with knowledge and skills to improve educational and social outcomes for children.

Career Week 2024: Career Week is a flagship annual event at KFU, featuring training, educational activities, and executive learning programs. It equips students with skills aligned with Saudi, regional, and international labor markets, supporting professional development and enhancing employment opportunities across government, private, entrepreneurial, and free-market sectors.



World Children's Day 2024



Future **Scientists Program** 2024: Supported by the Abdulmonem Al-Rashed Humanitarian Foundation, the Scientists Program at King Faisal University is a comprehensive training initiative for talented secondary school students. The program aims to prepare students for scientific research and top-ranked admission to universities worldwide, aligned with Saudi Vision 2030 and the strategic tracks of the Custodian of the Two Holy Mosques Scholarship Program. The three-month program serves 35 male and female students and includes lectures, laboratory sessions, factory visits. It focuses developing research. innovation. presentation, and teamwork skills, while encouraging participation in local and international competitions. Students are trained across seven specialized tracks: Manufacturing Engineering, Construction; Biotechnology; Renewable





Intelligence in Medicine (Surgery); and Anesthesiology. The program also strengthens community partnerships and provides financial support for scientific projects.

Mawhiba Academic **Enrichment** Program 2024: In collaboration with King Companions Abdulaziz and His Foundation for Giftedness and Creativity. King Faisal University hosted Mawhiba Academic Enrichment Program during the summer break for 134 students with the support of 22 trainers and The assistant trainers. three-week program included scientific and skillsmodules, covering research, based volunteering, and administrative activities. The program culminated in a closing exhibition, where students showcased innovations and research across multiple fields, including medical and biological data science sciences. and cybersecurity, renewable energy, and physics, bridging theory and practical application.









Institutional Accreditation and Academic Program **Development:** Affirming prestigious position and commitment to the academic highest and institutional KFU standards. received full has institutional accreditation from the Education and Training **Evaluation** Commission (through the National Center for Academic Evaluation and Accreditation) for the period November 2024 to October This achievement reflects university's continuous efforts to enhance its educational and administrative environment. ensure sustainable hiahperformance, and quality maintain in both national competitiveness and international education systems.

In alignment with labor market demands and national development needs. university has introduced 14 new bachelor's degree programs in specialized fields. enhancing graduate employability and supporting competitiveness in local and regional labor markets. Additionally, to increase academic flexibility and support student continuity, 10 intermediate diploma programs have been developed as early exit options for students facing academic challenges or alternatives seekina to bachelor's These diplomas programs. provide accredited qualifications for immediate labor market entry while allowing students to return later to continue their studies through flexible, integrated pathways.

Developing Interdisciplinary Programs: efforts to promote academic integration and multidisciplinary education, **KFU** has introduced eight new interdisciplinary programs. These programs aim to connect knowledge and experiences across different provide students with flexible educational pathways, and prepare national cadres equipped to meet the evolving demands of the labor market and keep pace with scientific and professional developments.

Professional Certification and Graduate Training Initiatives: KFU launched an initiative to promote professional certifications among its students, raising awareness about their importance, types, available support programs. The initiative included tours across all colleges, benefiting 300 male and female students. aims enhance students' and to competitiveness in the job market.

Training **Programs** for **Graduating** Students: То strengthen graduate readiness and align with Saudi Vision 2030, KFU offers intensive professional development programs for graduating and soon-to-graduate students. In 2024, the university implemented a training plan that included 12 programs benefiting 250 and total students. а of professional courses qualifying students for industry-recognized certifications. These efforts ensure that graduates gain practical







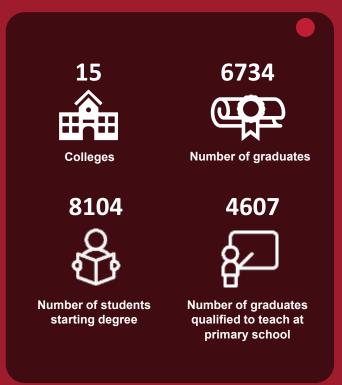


skills that complement their academic degrees, improving employment opportunities and supporting career success.

Gartner Eye on Innovation Award 2024: KFU won the 2024 Gartner Eye on Innovation Award for Education in the "Innovation in Teaching and Learning" category. Presented by the National Center for E-Learning, this prestigious global award recognizes educational institutions that excel in technological innovation.

KFU received the award for developing an augmented reality (AR) application delivering interactive 3D educational which enhances content. students' understanding of complex concepts and improves their learning experience. The selected project was from numerous initiatives worldwide, highlighting university's leadership in integrating modern technology into education.

This KFU's achievement underscores commitment advancing education to through innovation and strengthens its position as a leading global educational institution. Additionally, the university received the Leadership in E-Learning Awards (Innovation Level) from the **National** Center for E-Learning. recognizing its excellence in innovation, impact, and best practices in e-learning and training.



Innovation and Digital Excellence: KFU achieved the highest level in the "Innovation" category of the 2024 National Digital Education Index, an annual tool for monitoring the progress of digital education in Saudi Arabia. This recognition reflects KFU's alignment with rapid technological advancements, its ability to meet the evolving needs of beneficiaries, and its commitment to enhancing the quality of digital education, empowering learners, and fostering sustainable educational solutions.

:KFU AR Application KFU developed an innovative Augmented Reality (AR) application that presents 57 educational elements from the science, medical, and engineering colleges in an interactive 3D format. Students can explore and interact









these educational elements via web browsers, further expanding the benefits of digital learning content.

ISO Certifications: The university has obtained four ISO certifications: ISO 9001 QMS – Quality Management System ISO 20000 ITSMS – IT Service Management System ISO 22301 BCMS – Business Continuity Management System ISO 27001 ISMS – Information Security Management System. These certifications reflect KFU's commitment to quality, efficiency, and information security in digital services, IT support, software development, network management, and training, ensuring high standards for both staff and students.

Virtual Laboratories, Holograms, and National Digital Platforms: KFU provides interactive virtual laboratories that simulate real lab environments, allowing students to conduct experiments and analyze results without physical presence costly or equipment. Integrated with the Blackboard e-learning system for physics, chemistry, and biology curricula, these virtual labs include 190 experiments, enhancing accessibility and learning efficiency for students and faculty.

Hologram Elements: KFU has integrated advanced hologram technologies into its educational system, offering 122 interactive holographic elements through state-of-theart studios. Managed by a specialized team, these holograms enrich the learning





KFU AR Mobile Application: The Deanship of E-Learning and Information Technology at King Faisal University has developed the KFU AR mobile application, which leverages augmented reality (AR) technology to deliver educational content in an interactive, three-dimensional format.





environment, foster creativity, and optimize the use of emerging technologies in digital education.

FutureX National Platform: The university actively contributes to the FutureX platform of the National Center for E-Learning by providing diverse educational resources. KFU currently holds 79 active licenses covering 70 educational tracks, with 87 courses completed and 1,458 beneficiaries engaged, demonstrating significant impact and participation at the national level.

Quality in Service Delivery and Open Educational Resources: KFU demonstrated excellence in e-learning and distance education, achieving a 100% comprehensive rating across all evaluated criteria in 2023 and 2024 follow-up reports by the National Center for E-Learning. The assessed criteria included instructional design, interaction. assessment evaluation. equity and accessibility, technology, leadership development, and ongoing support and training, reflecting KFU's commitment to delivering a highquality, comprehensive e-learning experience.

KFU has also significantly contributed to the **National Open Educational Resources Platform (OERx)**, increasing its uploaded resources by 50%, bringing the total to approximately 11,000 resources, with engagement from over 121,000 users. This achievement underscores the university's



leadership in open education, expanding access to high-quality resources, and serving both the academic community and society.



5 GENDER EQUALITY



GLOBAL RANKING

201-300



PUBLICATIONS: 62

🛗 Data for year: 2020-2024 (SciVal)

Achieve gender equality and empower all women and girls

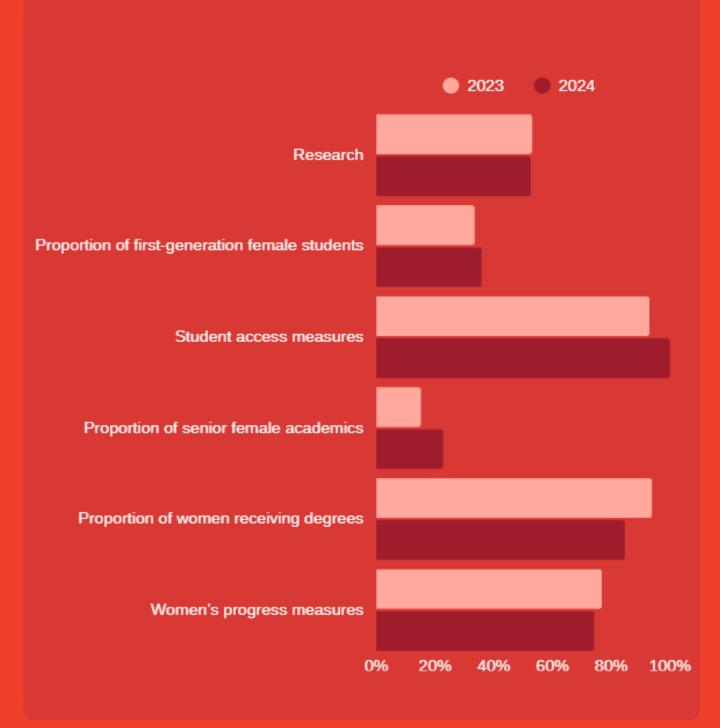
















KFU has adopted a formal policy to ensure that women's applications. and acceptance into programs. full life participation in university are supported and encouraged. The policy addresses three main areas: access (applications). entry (admissions /acceptance). and participation academic programs, research, activities, leadership).

It emphasizes equality in admissions criteria for female applicants, actively promotes their representation in fields where they have historically been underrepresented, and provides institutional mechanisms to support their success. KFU's commitment is part of its broader institutional strategy for gender equality and contributes to global goals of inclusive education and equity.

KFU has implemented several measures to promote gender equality and enhance the participation of women in various academic fields, particularly in research. Here are some ways in which the university has worked towards achieving gender equality:

The Women's Affairs Sector: The Women's Affairs Sector is one of the university's key administrative sectors, dedicated to representing and supporting female students and staff across all university divisions. It plays a vital role in ensuring that women's needs and aspirations are addressed within the university community. The sector includes a range of departments and service units that provide comprehensive support for women, offering strategic visions and



development plans aimed at enhancing women's participation in the university and society. It focuses on empowering women, promoting their leadership roles, and contributing to their academic, professional, and personal development.

Development Unit: Women's The Women's Development Unit operates under the Women's Affairs Sector and is responsible for implementing programs and initiatives that strengthen women's leadership and innovation capabilities. The unit designs training courses. workshops, and mentoring programs to career advancement, entrepreneurial spirit, and community engagement among female students and staff.

Initiative to enhance women's research and innovation contributions and maximize their cognitive and societal impact:

One of the strategic research initiatives

5 GENDER EQUALITY





that aims to enhance women's research contributions and women's empowerment.

One of the most important goals of this strategy is to support and motivate raising the level of women's participation among faculty members, researchers and students, and investing their energies in the fields of research, innovation, projects, and scientific publishing in vital and strategic areas, through multiple tracks, most notably:

- 1- Promising Female Researcher Track.
- 2- Women's Research and Studies Track.
- 3-Interdisciplinary and Joint Research Track.
- 4-Pioneering Track for Female Researchers.
- 5- Innovation Track.
- 6- Summer Grant.
- 7- Research Apprenticeship.

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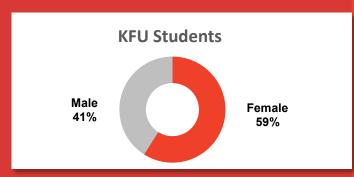
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This initiative also supports a package of distinguished scientific publishing rewards, and through multiple activity projects that contribute to developing research skills, most notably:

- 1-The Digital Researcher Project, which aims to train and develop female researchers on modern digital research tools.
- 2-Holding workshops for female researchers to discuss enhancing their role in the scientific research process at the university and discussing possibilities and challenges.
- 3-Holding training courses for female researchers dedicated to developing research and publishing skills.



We Come to You Initiative: As part of its continuous efforts to empower female staff and students, KFU launched the "We Come to You" initiative in cooperation with the Civil Status Office in Al-Ahsa. This initiative aims to facilitate access to essential civil and administrative services directly on campus, allowing female students and staff to complete their official procedures efficiently and conveniently without the need to visit external offices. Through this initiative, the university demonstrates its commitment to creating





a supportive and inclusive environment for women, ensuring that their educational and service needs are met in a way that enhances both their well-being and academic productivity.



Programs like the Mawhiba Enrichment Research Program further advance women's participation in science and research by equipping schoolgirls with essential research and innovation skills.

Complementing these efforts, the **free student transportation system** ensures a safe and supportive environment that promotes both educational success and personal empowerment.







KFU encourages female students to apply for academic programs in fields where women have historically been underrepresented such as the College of Veterinary Medicine and Electrical Engineering.

5 GENDER EQUALITY









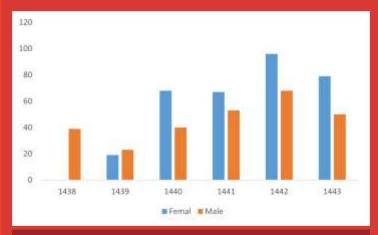
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Developing the talents of female students in public schools



Percentages of female students in veterinary medicine over the past years

Schedules for female student transport buses to and from KFU

KFU has established policies to support employees through major life-events such as childbirth and early parenthood, aligning with its commitment to gender equity and inclusive workforce practices. The policies aim to facilitate maternity leave for female staff and paternity leave for male staff, thereby promoting inclusion, work-life balance and continued professional participation. These efforts reflect institutional recognition that supporting parenting responsibilities is key to retaining and empowering all staff members.











Providing childcare facilities for female employees and students





6 CLEAN WATER AND SANITATION



GLOBAL RANKING

64



PUBLICATIONS: 300

🛗 Data for year: 2020-2024 (SciVal)

Ensure availability and sustainable management of water and sanitation for ALL









زيارة وفدمن مركز الدراسات المانية لمشرود نادك في حرض لإدارة السابقة سعادة. أ.د/ يوسف الدخيل.













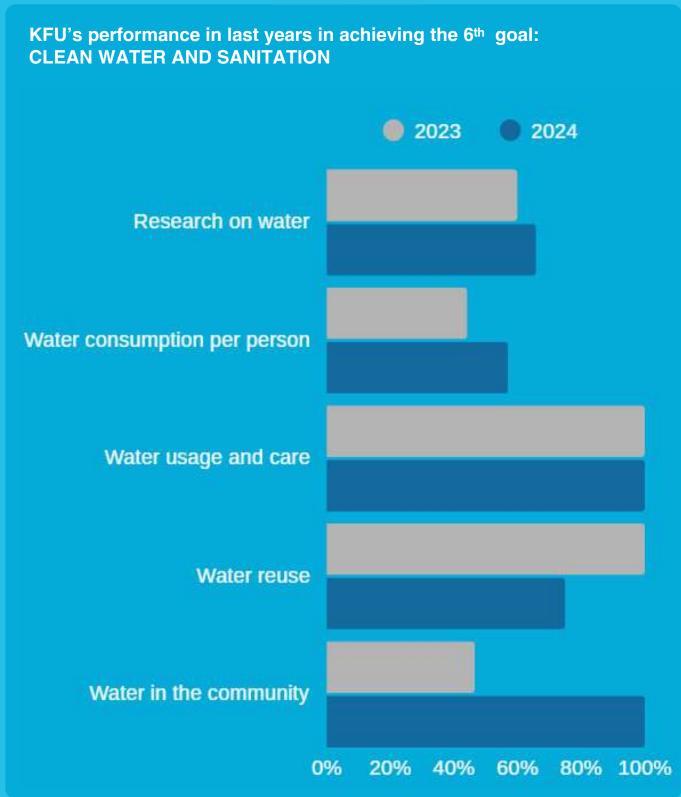
















KFU recognizes water resources as a critical sustainability priority especially in arid regions and frames its watermanagement strategy as a core component of its institutional mission.

The university emphasizes that sustainable use, reuse, education and training in water systems are essential not only for its campus operations but also for regional development and ecosystem health. The initiative aligns with SDG 6 (Clean Water & Sanitation).

Operational Water Management: KFU monitors water-production sources (wells, desalinated water) and operates wastewater-treatment plants so that treated water is reused for irrigation and landscaping rather than simply discharged.

The university has introduced droughtresistant planting schemes and irrigation network optimization to reduce water consumption in its green spaces and campus landscaping.

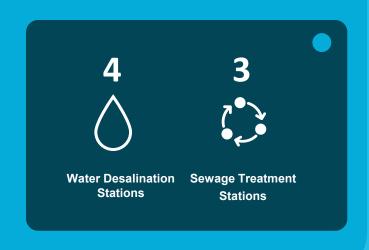
Training & Educational Opportunities: Through its Water & Environmental Studies Centre (and associated training units), KFU delivers training programs in water-resource management, efficient irrigation design, wastewater reuse and related technologies.

The university offers training courses for staff, students and external stakeholders (farmers, industry) on topics such as "Water Quantities Estimation for Crops", sustainable water-systems, and planning

of irrigation networks.

KFU also provides community-outreach programs raising awareness about water-conservation practices, the importance of protecting freshwater ecosystems and the role of smart water management.

KFU undertakes measures to prevent contamination of its water-supply systems and treated effluent networks, recognizing that polluted discharges can compromise freshwater ecosystems and downstream uses. The university's approach includes using insulated piping systems to keep potable and non-potable lines separate, implementing water-quality monitoring for effluent and discharge and treated entering into cooperation agreements (for example with the National Center for Water Efficiency) to enhance scientific research, training and advisory services aimed at improving the integrity of water supply chains.







Raising Community Awareness of Optimal Water Use:

In cooperation with the Ministry of Water and Electricity, King Faisal University organized an awareness activity titled "Water is Our Life." The initiative aimed to educate the community about the vital importance of water, highlight the water challenges facing the Kingdom, and promote effective methods for water conservation.



providing clean and free drinking water for everyone at the university



Planting drought-resistant plants to reduce water use

Commitment to the National Guide for Water Conservation Services and Efficiency:

KFU is fully committed to implementing the National Guide for Water Conservation Services and Efficiency across all its sectors. The university integrates these national standards into its operations to ensure the efficient use of water resources and to align with the Kingdom's broader sustainability and resource management goals.

King Faisal University Research in Water Technologies and Conservation:

Seawater Desalination Research in Al-Ahsa: Among the university's notable contributions to water innovation is its

6 CLEAN WATER AND SANITATION





seawater desalination research conducted in the Al-Ahsa region. This project was featured in the final report issued by the Ministry of Water, Environment, and Agriculture, entitled "Water Innovation for the Kingdom of Saudi Arabia.

Research on Drinking Water Quality in the The Water Al-Ahsa Region: Environmental Studies Center at King Faisal University, through its Water Quality Unit, conducts advanced research activities and training for various community sectors. The center provides scientific and technical support on topics related to water security, water quality management, and water conservation, reinforcing the university's leadership in sustainable water resource management.

KFU recognizes that water security is a critical regional and national priority, especially in the context of Saudi Arabia's arid climate and resource constraints. The university's "Cooperation for Water Security" initiative emphasizes partnerships, research collaborations, and stakeholder engagement to ensure reliable and sustainable water systems.





One of the signs found in the university mosques that encourages conserving water













بالتعاون مع جامعة الملك فيصل والهيئة العامة للمنشآت الصغيرة والمتوسطة المؤسسة العامة للري تطلق برنامج حاضنات أعمال المشاريع الرراعية

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The university's Innovation and Entrepreneurship sector supports projects aimed at conserving water outside the university campus in the Small Business Incubators Program in cooperation with all community stakeholders, including the General Irrigation Corporation.







Agreement with the National Center for Water Efficiency and Conservation







9

GLOBAL RANKING





PUBLICATIONS: 455

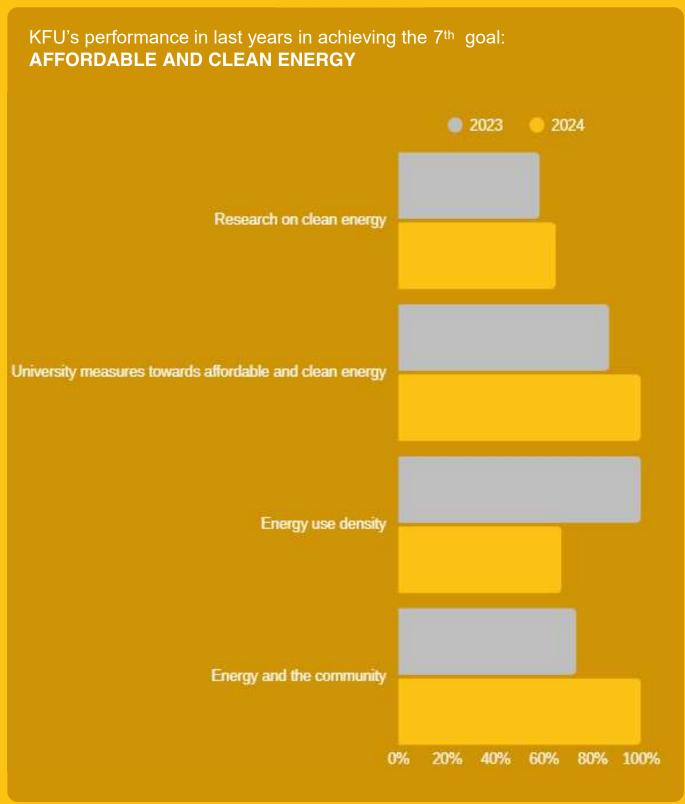
🛗 Data for year: 2020-2024 (SciVal

Ensure access to affordable, reliable, sustainable and modern energy for all













KFU is committed to reducing its energy consumption, stabilizing fuel-supply chains, applying renewable and clean energy technologies, and integrating "carbon capture and storage" or advanced approaches to mitigate climate change.

The university holds a policy centered on renovation and building to energy-efficient standards.

Use of Building Management Systems (BMS) and SCADA systems is specified for campus infrastructure.

KFU states that all new buildings and major renovations will adhere to the international green-building certification system LEED (Leadership in Energy and Environmental Design).

Installation of LED lighting, increased use of solar panels and use of environmentally-friendly materials.

Use of advanced thermal insulation techniques: double-brick walls, insulated glass windows, multi-layer roof insulation using polyurethane or polyurea.

Design of buildings to maximize natural lighting via large glazed surfaces, and installation of smart ventilation systems.

KFU has adopted a strategic project titled "Maximizing the Environmental Impact of the Campus" which is one of the major elements of its 2020–2024 strategic plan, aiming at campus-wide emission reduction. The university offers free transportation services for staff and







students to reduce private car use and associated CO₂ emissions.

KFU has collaborated with a bank (the Saudi Investment Bank) to provide free bicycles across three stations within campus, promoting low-carbon mobility.



KFU provides free transportation services for both staff and students as part of its efforts to promote environmental sustainability. This initiative aims to reduce the number of private vehicles entering the campus, thereby decreasing carbon dioxide emissions and contributing to a cleaner, greener university environment.

Environmental Compliance License: KFU has obtained an environmental compliance license from the National Center for Environmental Monitoring in Saudi Arabia, confirming the university's commitment to adhering to local and international environmental standards in all its projects. These standards ensure that the university's energy management practices meet the highest levels of efficiency, promote strategies to reduce



energy consumption across the campus and identify areas of significant energy waste for continuous improvement.

Energy Efficiency and Management: KFU continuously monitors and identifies energy-intensive areas across its buildings. with particular attention to those that consume high levels of energy due to air conditioning. Approximately 75% of the university's total energy consumption is attributed to air conditioning, primarily due to the climatic conditions of Saudi Arabia. To address this, KFU has implemented a building management system (BMS) designed to optimize air conditioning operations by controlling and scheduling operating hours. In addition, recognizing that lighting is another major source of energy consumption, the university has replaced conventional light bulbs with energy-efficient LED lighting, integrated with electronic control systems and motion sensors to minimize unnecessary usage. The university also employs advanced thermal insulation materials and incorporates large glass surfaces maximize natural daylight. Furthermore, all



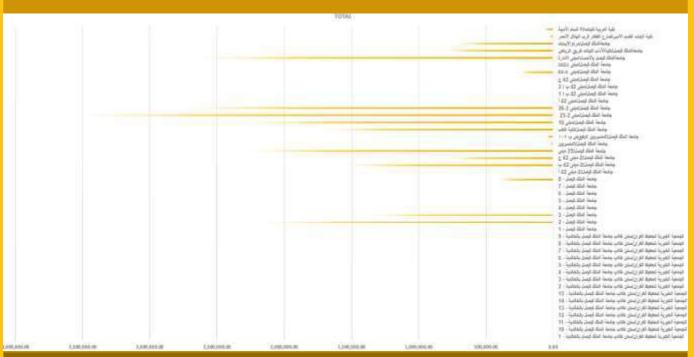


new buildings adhere to special design specifications for windows and wall glass, aimed at reducing heat transfer and lowering air conditioning demand supporting the university's broader goal of enhancing energy efficiency and environmental sustainability.

Cooperation with Shell in Saudi Arabia and Bahrain: KFU signed a cooperation agreement with Shell in Saudi Arabia and Bahrain to explore areas of mutual collaboration in the energy sector. The agreement aims to strengthen relations between the two parties and discuss opportunities for innovation and development in energy technologies, as Shell is one of the world's leading energy companies.

Participation in the Second International Conference Sustainability: on **Development** and Innovation (ICSDI2024): KFU participated in Second International Conference Sustainability: Development and Innovation (ICSDI2024), held at Prince Sultan University in Riyadh. During conference, the Department of Mechanical Engineering presented several research papers focused on renewable energy innovation, sustainable manufacturing, and environmentally friendly industrial processes, highlighting the university's commitment to sustainability-driven research.

Energy Training Courses for Governments and the Community: The College of Engineering, in collaboration with



Various energy measurements were taken in a range of university buildings to identify those that consume the most energy





the Saudi Energy Efficiency Center (SEEC), conducted specialized training courses and workshops to enhance energy-related knowledge and skills among government and community members. Key programs included:

Workshop: Sustainable Energy Storage Devices Essential Skills and Knowledge in Lithium-ion Battery Manufacturing, addressing the fundamentals of energy storage technologies.

Innovation in the Energy Sector – Evidence in the Field of Renewable Energy, organized by the Innovation and Entrepreneurship Center, which discussed current and future trends, challenges, and innovation statistics in renewable energy across Saudi Arabia.

Lecture: Traditional vs. Renewable Energy Sources, emphasizing the environmental advantages of renewable energy and its role in pollution reduction.

Training Program: The Role of Digital Transformation in Promoting Sustainability, exploring how digital technologies—such as AI and the Internet of Things (IoT) can enhance energy efficiency, reduce waste, and promote sustainability in energy systems, agriculture, and transportation.

Advanced Grid-Linked Photovoltaic Solar Energy and Energy Storage Technologies Program: This program equips participants with the knowledge and tools to design grid-linked photovoltaic systems tailored to Saudi Arabia's solar energy resources, while also addressing technical and regulatory frameworks relevant to renewable energy deployment.

Participation in the Net0Thon Energy Hackathon: King Faisal University was among the top six projects in the Kingdom selected for the Net0Thon Energy Hackathon, organized by Saudi Aramco at the Dhahran Expo. The university team presented an innovative project focused on carbon utilization, demonstrating how







Digital Transformation Strategy 2020-2024 and Digital Transformation Program 2020:

The strategy and program intensively cover all aspects including Setting and Infrastructure. KFU uses energy saving infrastructure and the use of SCADA





One energy-saving method is the use of materials that reduce heat loss, such as aluminum and wood



King Faisal University received a distinguished medal in Energy Conservation from the Saudi Energy Efficiency Center (KAFAA)





stored carbon can be manufactured and converted into diamonds using High-Pressure High-Temperature (HPHT) technology, which compresses graphite into diamonds through extreme heat and pressure.

Engineering College Training Courses:

The College of Engineering conducted a training course titled "Sustainable Construction", designed to introduce participants to the principles of building sustainability and its role in conserving natural resources and minimizing environmental impact.



Innovation and Entrepreneurship Sector: The Innovation and Entrepreneurship Sector at KFU provides a wide range of services to the private and industrial sectors, including specialized environmental services. The sector plays a vital role in promoting innovation, sustainability, and community engagement across various disciplines.

First Environmental Exhibition:
"Renewable Energy for a Better
Environment": In cooperation with the
Green Horizons Environmental Association,
KFU organized the First Environmental
Forum and Exhibition under the theme



"Renewable Energy for a Better Environment." The event was held as part of the Saudi Green Initiative and the Green Middle East Initiative. The forum highlighted the university's commitment to scientific and community-based projects aimed at improving quality of life, protecting future generations, increasing green spaces, expanding reliance on clean energy, reducing carbon emissions, and addressing climate change challenges.

College of Engineering Projects Environment Week:

- 1. Solar Evaporative Air-Cooling System Project Developed by the Department of Electrical Engineering, this project presents a cooling model tailored for desert environments. It uses solar energy and water to produce cool air, eliminating the need for harmful refrigerants and thereby reducing greenhouse gas emissions.
- 2. 500 kW Photovoltaic Solar Power System for the College of Engineering BuildingLed by the Department of Mechanical Engineering, this project







focuses on installing a cost-effective solar power system utilizing the most efficient, unshaded roof areas. The system has an estimated payback period of 6.5 years and a levelized energy cost of SAR 0.18/kWh, demonstrating the university's dedication to renewable energy solutions.

3. Smart Electrical Connection System for Energy Efficiency in Enclosed Spaces: Developed by the Department of Electrical Engineering, this smart plug system integrates multiple features, supports various electrical connections, and can be remotely controlled via Wi-Fi, enhancing energy efficiency in indoor environments.

Patents in Energy-Saving Technologies:

KFU researchers continue to innovate in energy-saving and efficiency-enhancing technologies, contributing to national efforts in sustainability and clean energy advancement.

Environmental Protection Unit:

It works to raise environmental awareness in the community and reduce the expected damage to the environment from various industrial and community activities, including raising awareness of energy conservation and reducing energy waste.

Code Lab:

King Faisal University provides all means of support and advice to the governmental, local and regional sectors, The university established the Code Lab, which provides a set of services and consultations aimed at the culture enhancing entrepreneurship, raising the level of adoption of emerging technologies, raising the contribution of the digital economy to the gross domestic product, increasing women's participation in the entrepreneurship sector. directina investment opportunities in the field of digital entrepreneurship, creating new job opportunities, localizing technology and financial support for emerging companies.









500 kW PV Solar System for College of Engineering



Wind Turbine for Producing Renewable Energy







مجال ترشيد الاستهلاك

إجراءات يومية لتوفير كبير



تأكد من إغلاق الأجهزة بعد الاستخدام وأبلغ عـن أي هــدر في المــوارد فــورًا لتعزيز الكفاءة.

ما تقدمه الجامعة

برامج ترشيد استهلاك الطاقة والمياه، مثل إيقاف تشفيل الأجهزة غير الضرورية وإصلاح التسريبات، توفر آلاف الريالات سنويًا وتدعم بيئة مستدامة.









8 DECENT WORK AND ECONOMIC GROWTH

GLOBAL RANKING

55





PUBLICATIONS: 406

🛗 Data for year: 2020-2024 (SciVal)

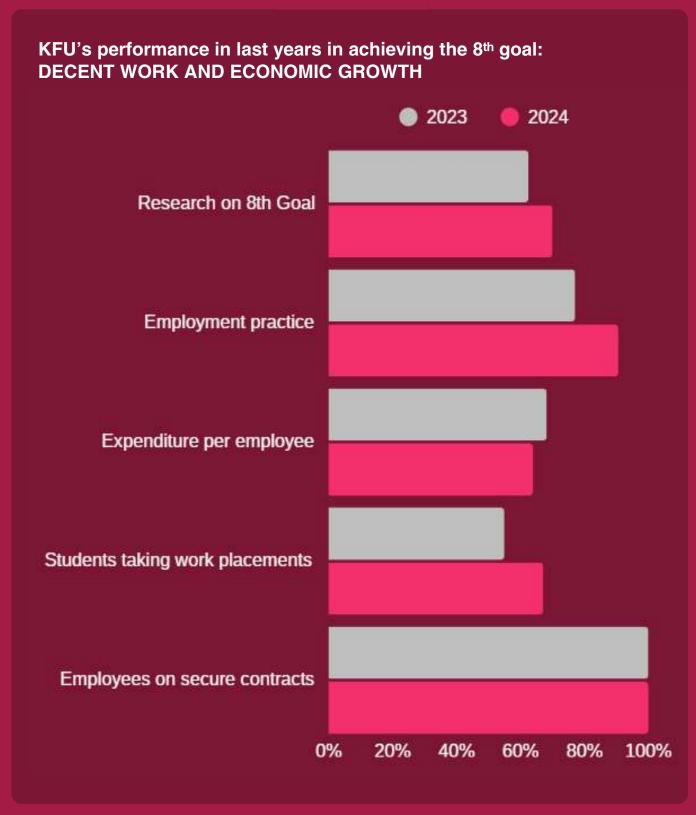
Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all



8 DECENT WORK AND ECONOMIC GROWTH







8 DECENT WORK AND ECONOMIC GROWTH





KFU seeks to promote decent work and economic growth by implementing a range of strategic measures and best practices.

Minimum Wage: KFU is fully committed to adhering to the labor regulations of the Kingdom of Saudi Arabia concerning the minimum wage. By ensuring that all employees receive a fair and living wage, the university supports sustainable economic growth and contributes to improving the overall standard of living for its workforce.

Equal Rights and Outsourcing: KFU is committed to ensuring that both male and female employees receive equal pay in accordance with the applicable job scale established in the Kingdom of Saudi Arabia. This commitment promotes gender equality in the workplace and fosters a fair, inclusive environment that drives economic growth by leveraging the full potential of all employees.

Employment Policy Nonon Discrimination: KFU has established policies that comprehensive promote freedom, equality, and non-discrimination in the workplace. By maintaining an inclusive environment free from bias or prejudice, the university ensures that all individuals have equal opportunities to contribute to economic growth development based their skills. on competencies. qualifications and background regardless of their personal characteristics.



Modern Slavery: KFU has established a clear policy to prevent and address any form of modern slavery. By ensuring the fair and ethical treatment of all employees, contractors, and suppliers, the university upholds human rights standards, supports the principles of decent work, and contributes to sustainable economic growth.







Appeal Process: The university has implemented an appeal process that enables employees to express concerns, submit complaints, and provide suggestions related to their work. This mechanism ensures that every employee has a voice and access to fair resolution

procedures. By promoting transparency, accountability, and open communication,.

سلم رواتب اعضاء هيئة التدريس والمحاضرين والمعيدين بالجامعات المعتمد بالأمر الكريم رقم (٧٠ - ١٤٣٧٦/٢٥ هـ المعتمد بالأمر الكريم وقم المعتمد بالأمر الكريم والمعتمد بالأمران المعتمد بالأمران المعتمد بالمعتمد بالمعتمد

العلاوة السنوية												1100				
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•1.	101.0	10740	11440	11770	17410	17700	17410	17770	11410	11710	1.4.0	1.440	5740	9770	AVSO	مماضر
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The university's salary scale shows the minimum wage and does not discriminate between male and female salaries









Examples of platforms for receiving suggestions and complaints at the university



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

GLOBAL RANKING

101-200





PUBLICATIONS: 492

🛗 Data for year: 2020-2024 (SciVal)

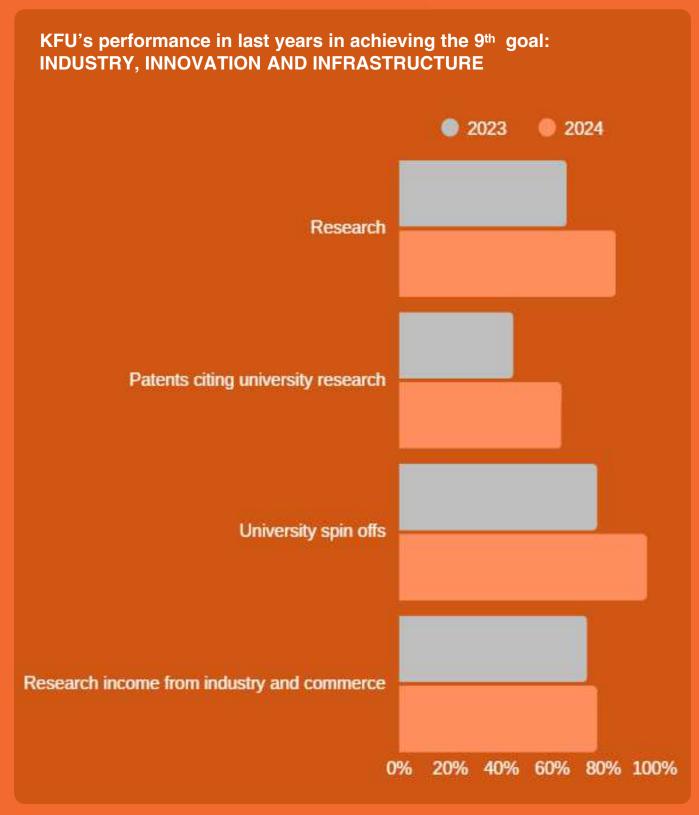
Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE







9 INDUSTRY, INNOVATION AND INFRASTRUCTURE





KFU aligns with Sustainable Development Goal by building its innovation promoting infrastructure. research-toindustry processes, and strengthening its business development capacity. As part of this strategy, the university established in Innovation and its Business Development Sector, which includes units such as a Fab Lab, technology transfer unit, investment & resource development cell, and industrial relations department.

Leading Business Services Center is a leading hub offering decision support, business analytics. statistical and various consulting services across sectors. The provides center comprehensive solutions that include designing data collection tools questionnaires, managing and analyzing data. developing infographics dashboards for interactive intelligent business analytics, and delivering benchmarking and survey services. It also offers decision support and analysis, specialized training in business analytics and statistical software, as well as the preparation and review of strategic plans and feasibility studies, all aimed at enhancing institutional performance and evidence-based supporting decisionmaking.

Funding Scientific Research Projects Ending with an Innovative Prototype:

This initiative, managed by the Industrial Relations Unit at KFU, supports research projects that culminate in the development of innovative prototypes. The program encourages research aligned with the university's core focus areas food security



and environmental sustainability with the goal of transforming research outcomes into practical innovations that enhance the quality of local products and contribute to national development.





TSP 100 WORLDWIDE UNIVERSITIES GRANTED U.S. UTILITY PATENTS

2024

INSTITUTION RANKING # OF PATENTS	INSTITUTION RANKING # OF PATENTS
1 KING FAISAL UNIVERSITY 638	25 CORNELL UNIVERSITY
2 THE REGENTS OF THE	26 UNIVERSITY OF COLORADO104
UNIVERSITY OF CALIFORNIA	26 REGENTS OF THE UNIVERSITY OF MINNESOTA 104
3 MASSACHUSETTS INSTITUTE	28 UNIVERSITY OF PITTSBURGH 102
OF TECHNOLOGY	28 GEORGIA TECH RESEARCH CORPORATION102
4 ZHEJIANG UNIVERSITY	30 COLUMBIA UNIVERSITY
5 KING FAHD UNIVERSITY OF	31 THE UNIVERSITY OF ARIZONA 96
PETROLEUM AND MINERALS 265	32 CITY UNIVERSITY OF HONG KONG95
5 THE UNIVERSITY OF TEXAS SYSTEM 234	33 OSAKA UNIVERSITY 89

631



Number of Patents

2024 Gartner Eye on Innovation Award for Education:

KFU has been honored with the 2024 Gartner Eye on Innovation Award for Education in the category of Innovation in Teaching and Learning. This prestigious global award, presented by Gartner, a renowned U.S.-based consulting firm, and recognized nationally by the National Center for E-Learning, celebrates institutions that demonstrate exceptional technological innovation in education.



Developing an augmented reality (AR) application:

This application provides interactive 3D educational content, enabling students to better understand complex concepts and enhancing their overall learning experience. The project was selected from numerous innovative initiatives submitted by leading educational institutions worldwide. Faisal University's underscoring King leadership in integrating modern technologies into the educational process. This award reflects the university's strong commitment to leveraging technology to improve the quality of education and reinforces its position as a globally recognized institution at the forefront of educational innovation.

Leadership in E-Learning Awards:

(Innovation Level) from the National Center for E-Learning, achieving recognition in three main tracks: Innovation, Excellence, and Impact.







10 REDUCED INEQUALITIES



GLOBAL RANKING

201-300



PUBLICATIONS: 114

🛗 Data for year: 2020-2024 (SciVal)

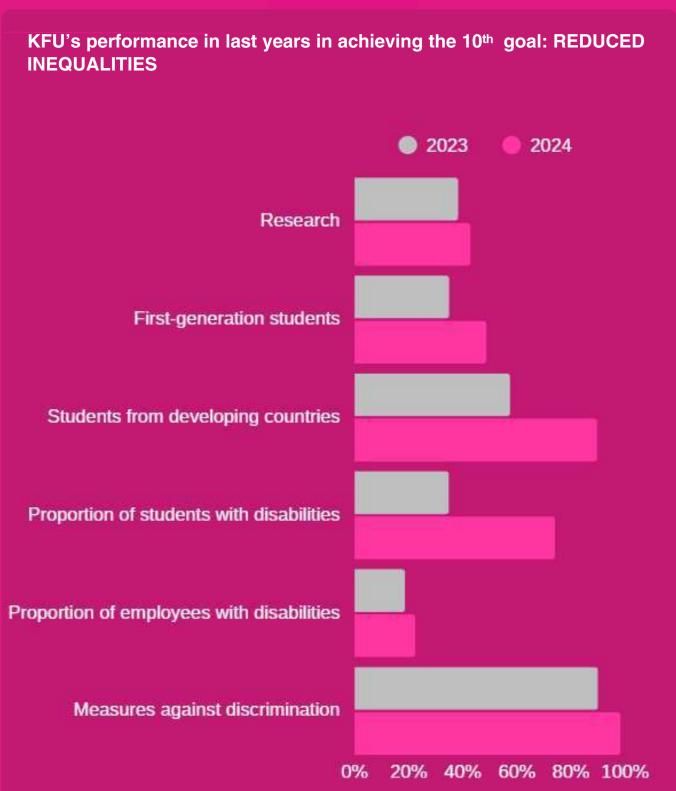
Reduce inequality within and among countries















KFU is actively committed to ensuring inclusivity and reducing inequalities in access, focusing education and on under-represented groups such students with disabilities, international students, students from under-served families. and those facing chronic illnesses. The university reports efforts to monitor admission and support outcomes, including the establishment of a dedicated students unit for with disabilities. admission of more international students. and tracking female student admission rates. By systematically tracking these under-represented groups, KFU aims to foster equitable opportunities, remove barriers to education, and integrate social inclusion into its sustainability agenda.

KFU has a dedicated people Disabilities Unit that coordinates support services for students with disabilities. Typical services provided Assistive technologies and devices (such as screen-readers, Braille materials) and of educational tools for adaptation students with disabilities. Accessible campus facilities: modified infrastructure including ramps, accessible barrier-free pathways for people with impairments. Academic mobility and counselling support: guidance services, skill-development workshops and facilitation of services tailored to the needs of disabled students.



Disability Support Program















King Faisal University's participation in the Study in Saudi Arabia exhibition, which aims to attract international students from all over the world

Integration Program for Orphans

KFU, in its efforts to support orphaned students, organized the third edition of its Takamul Center summer programs at its campus in 2024. This initiative reflects the university's commitment ongoing to cooperation as part of its social responsibility and its contribution to supporting human capacity development programs, based on a well-researched scientific methodology and following best scientific and training practices. The university offers a range of enrichment programs in several specialized and specialized fields through the Takamul

Center, including the "Bokra" and "Basmat" summer programs. These programs target male and female orphans from all regions of the Kingdom and are considered among the most distinguished programs in the Arab world, targeting more than 330 orphans across 17 diverse specialized tracks.

The program was accompanied by an exhibition featuring more than 40 projects presented by students participating in the Basmat and Entrepreneurship programs.









سمو محافظ الأحساء يكرم جامعة الملك فيـصل بمناسبة إطلاق برامج تكامل الصيفية

FIRE eKFUniversity kfuedusa

KFU has appointed a University Diversity Officer as part of its effort to enhance inclusivity, eliminate discrimination and promote equal opportunity across its operations. This role supports university's commitment to recruiting faculty from under-represented regions, awarding scholarships to students with disabilities or from low-income enforcina communities. non-discriminatory admissions policy, and providing support services for persons with special needs.

Educational Providing Free Opportunities for Students: KFU offers free education to all undergraduate students. In addition. the university provides complimentary study seats for the most underprivileged segments of society. To further support access to education, the university has established numerous agreements with community organizations, including charitable societies and other sectors, to offer free study seats and e-learning enrollment for those unable to attend classes in person.

Faculty Recruitment: KFU actively seeks to attract faculty members from developing countries and low-income regions. By offering opportunities to scholars from underrepresented areas, the university fosters diversity and helps reduce inequalities in access to academic positions.



Percentage of non-Saudi employees at the university





ALECSO Member States Training Programs: In cooperation with the Arab League Educational, Cultural, and Scientific Organization (ALECSO), King Faisal University implements training programs aimed at enhancing the skills and expertise of faculty members from universities across ALECSO member states.

Workshops and Training Programs for People with Disabilities: KFU is committed to empowering individuals with disabilities through a variety of workshops, training courses, and inclusive initiatives

Workshop: The Journey of Empowering People with Disabilities in Employment organized as part of Career Week activities, aimed at promoting employment opportunities and workplace inclusion.

Fundamentals of Saudi Sign Language **Training Course: D**esigned to enhance communication and inclusivity within the university community.

Capacity Building Program: Targeted at individuals with Down syndrome to strengthen their personal and professional skills.

Participation in Sports Championships for People with Disabilities: In line with the university's efforts to promote sports inclusion and academic excellence for all segments of society, especially students with disabilities, KFU participated in the Athletics Championship for People with Disabilities in Riyadh.



10 REDUCED INEQUALITIES







King Faisal University publishes more than

scientific research papers on disability and special needs topics



Workshop (The Journey of Empowering People with Disabilities in the Field)



101-200

GLOBAL RANKING





PUBLICATIONS: 167

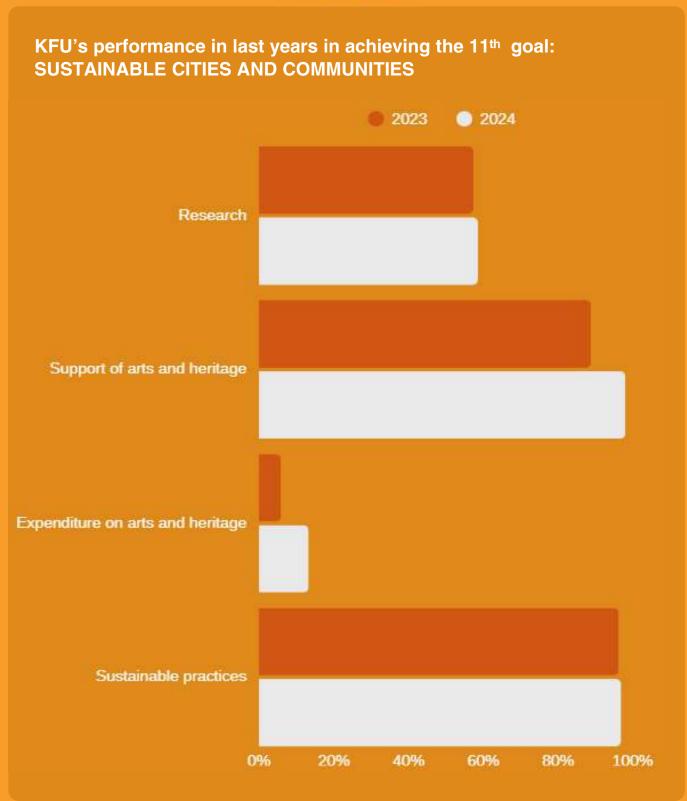
Make cities and human settlements inclusive, safe, resilient and sustainable















KFU actively promotes inclusive community access to its campus infrastructure and resources as part of its sustainability strategy. The university allows the public to access its library, green open spaces, pedestrian pathways, and selected buildings, facilitating lifelong learning, recreational use, and culture-sharing beyond the campus community.

The central library is open to many categories of community users throughout the week, and the campus grounds host public walking and cycling paths, exhibitions, and cultural events. This commitment to openness supports the university's goal of transforming its campus into a shared public space, thereby contributing to more inclusive,

resilient and sustainable human settlements.

KFU's Ramadan Nights:

KFU welcomed visitors during the holy month of Ramadan to its "King Faisal University Ramadan Nights" events, offering a rich and enjoyable experience. The events included a variety of programs and workshops suitable for all age groups, as well as interactive competitions and traditional games. In addition, there were mobile scientific, innovative, and creative exhibitions in various fields, providing opportunities for interaction communication among visitors from all segments of society and contributing to the revival of Ramadan traditions.



KFU's Ramadan Nights





Research Safari:

The Research Safari is an exploratory tour through one of the university's natural areas a serene oasis rich with wildlife and vegetation near the Al-Ghuwaiba migration corridor. The site includes multiple research and experimental stations, offering visitors a peaceful retreat from urban life and an opportunity to connect with nature through hiking and exploration. The safari is open to all members of the community.

The safari route encompasses 22 research zones, each dedicated to a specific field of study or practice, including: beekeeping, agricultural fields, horses, goats, sheep, teaching chick pens, training fields, a feed mill, cattle, a teaching poultry slaughterhouse, poultry, crocodiles, pygmy goats, oryx, a dairy plant, camels, ostriches, fish and shrimp, an outdoor and indoor plant nursery, hydroponics, and agricultural research tools and equipment. In addition, there are four recreational and educational sites for hiking, fruit picking, heritage exploration, and a resort area.

walking trail connects various agricultural and livestock sectors. featuring informative displays agriculture, engineering, veterinary medicine, and animal husbandry. Visitors will also find exhibitions of tools and equipment. directional signage, automated milking parlor, and a showcase endangered animal species. This initiative forms part of the university's community engagement program, leveraging academic resources to serve the surrounding region under the motto:

"The University Without Walls." Spanning a total area of 6 square kilometers, the station provides diverse opportunities for hiking, education, tourism, and scientific research.

The Research Safari integrates two main dimensions tourism and scientific advancement. It serves as a living laboratory, offering researchers, students, and visitors access to comprehensive academic and scientific experiences. Future development plans include launching new research experiments, training programs, and field trials, as well as creating a lake and expanding both animal and plant research facilities.









Research Safari



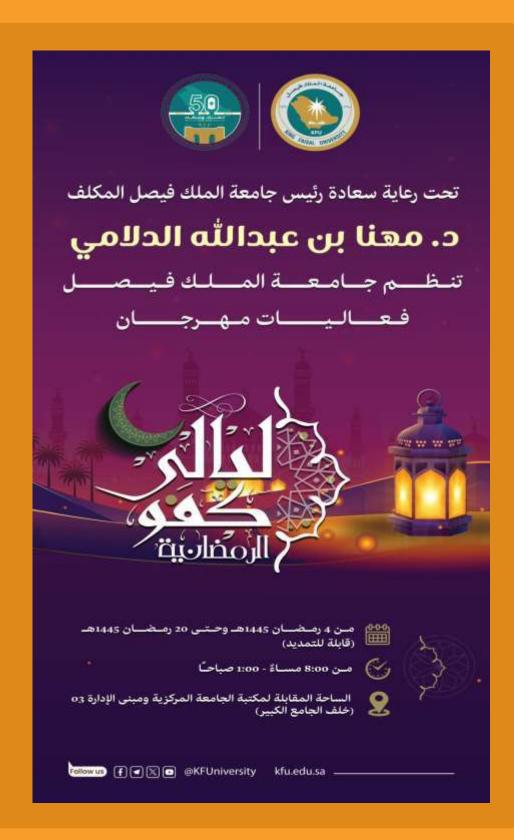
















KFU successfully implemented the concept of a "university without walls" in this event. Through this Ramadan festival, the university aimed to open its doors to everyone, strengthen the bonds of connection and cohesion between university members and the surrounding community, and encourage participation in charitable and volunteer work.

Community Engagement at the University Library:

The university's central library serves as a comprehensive cultural platform for the community. An event titled "Resin Art and Shaping Techniques" was organized for all community.

Sustainable Transportation KFU plans to enhance various sustainable mobility options as part of its strategic "Maximizing the Environmental Impact of the University Campus" project. Among the targets achieved: free transportation services provided for students, staff and visitors. Free bicycles inside the campus and a walking-initiative supported by new pedestrian routes.











KFU commitments to continued development and architectural advancement, KFU is renovating and rehabilitating several older buildings. These include the old College of Arts building, the old university cafeteria, and the College of Applied Medical Faculty.



Rehabilitation of several buildings in the Faculty of Arts

KFU emphasizes its role in preserving and promoting cultural heritage as part of its contribution to sustainable cities and communities. The university engages in arts, heritage awareness, cultural events and community participation to strengthen identity and inclusive cultural development. Some of the heritage and arts related initiatives:

An exhibition titled "We Dream and We Achieve" featuring student creative stands that reflect the past, present and future of Saudi society.

A "Guest Service Initiative during Hajj 1444H" organized in cooperation with the regional branch of the Ministry of Human Resources & Social Development to provide facilities and services to pilgrims.

An exhibition "Documenting the History of Al-Ahsa – Stories about Broadcasting" on

the occasion of World Radio Day.

Participation in national heritage events: Saudi National Day 93, Saudi Founding Day 2024, Saudi Flag Day 2024.

A forum under the theme "Year of Arabic Poetry – Poetry in the Eyes of Poets and Critics".

A "Falconry Festival 2024" in collaboration with the governorate of Al-Ahsa and the Ministry of Environment, Water & Agriculture.

The "The International Camel Conference 2024" with KFU's participation in genetic-diversity lectures, exhibits of camelindustry tools and commercial products, in partnership with camel-breeders and livestock production stakeholders.









KFU recognizes that reducing commuting and physical presence on campus for certain functions contributes to its sustainability strategy specifically by lowering vehicle usage, reducing carbon emissions, supporting digital transformation, and aligning campus operations with environmentally-friendly practices.

The university allows staff and faculty to work remotely for selected administrative and operational tasks.

KFU has issued a Remote Work Guide, providing guidance and support to staff and faculty on efficient remote-working practices. This approach reduces the need for physical commuting, minimizing carbon emissions and promoting a greener campus.



KFU has adopted a policy to give priority to pedestrian access within its campus. Whenever new buildings or public-zones are developed (or existing ones redeveloped), the design must favor pedestrians and cyclists ensuring safe, comfortable, and inclusive access pathways.



KFU has embedded a planning and development standard into its campus growth strategy that stipulates all new buildings, and major renovations must adhere to sustainable-construction criteria, such as energy-efficient design, sustainable materials, increased green space and pedestrian-friendly layouts.





أعلى الجهات الحكومية في قياس 2024 (3/5)

ترتيب	الجهة	النتيجة	المرحلة
41	مجلس الضمان الصحي التعاوني	%86.28	
42	وزارة الإعلام	%85.82	•
43	جامعة الملك فيصل	%85.46	
44	الهيئة العامة للإحصاء	%85.30	
45	مستشفى الملك خالد التخصصي للعيون	%85.22	
46	إمارة منطقة تبوك	%85.13	
47	أمانة المنطقة الشرقية	%85.06	
48	وزارة الاقتصاد والتخطيط	%84.90	•
49	جامعة الملك سعود بن عبدالعزيز للعلوم الصحية	%84.85	•
50	وزارة الصحة	%84.48	
51	الهيئة السعودية لتنظيم الكهرباء	%84.30	
52	المركز الوطني للتعليم الإلكتروني	%84.26	
53	جامعة بيشة	%84.18	
54	الهيئة العامة للصناعات العسكرية	%84.16	
55	إمارة منطقة القصيم	%84.04	
56	وكالة وزارة الداخلية للأحوال المدنية	%83.81	
57	الجامعة الإسلامية بالمدينة المنورة	%83.53	
58	المديرية العامة للسجون	%83.48	
59	جامعة الأمير سطام بن عبدالعزيز	%82.85	•
60	وزارة المالية	%82.64	









This approach ensures that infrastructure expansion aligns with the university's institutional identity (food security & environmental sustainability) and supports the UN Sustainable Development Goal 11 (Sustainable Cities & Communities). By using such build-standards, KFU seeks to reduce its environmental footprint, enhance operational efficiency, and position its campus as a model of sustainable infrastructure.



12 RESPONSIBLE CONSUMPTION AND PRODUCTION

GLOBAL RANKING

55



PUBLICATIONS: 430

🛗 Data for year: 2020-2024 (SciVal)

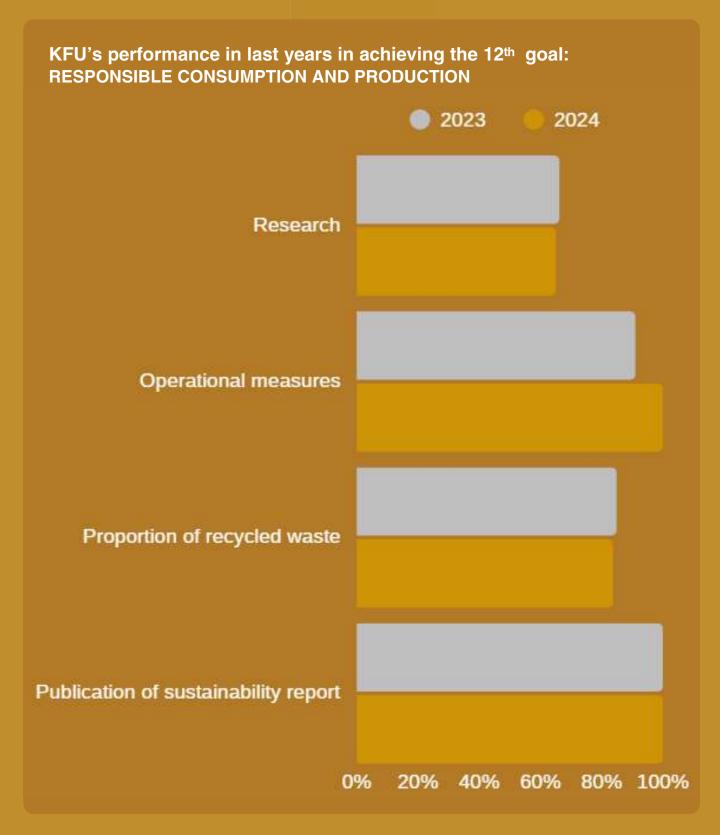
Ensure sustainable consumption and production patterns















KFU has implemented an array of operational measures aimed at embedding sustainability deep into its campus operations and infrastructure.

These include policies to reduce paper

These include policies to reduce paper, plastic and disposable usage and adopting remote-working arrangements for staff to cut commuting emissions.

KFU demonstrated leadership in digital sustainability by integrating green ICT infrastructure and energy-efficient systems across its campus. The initiative reduced paper usage by 38% between 2023 and 2024 and expanded e-learning accessibility for more than 12,000 beneficiaries.

KFU has implemented a structured framework to enhance sustainability performance. The framework integrates policy development, community engagement, and data-driven evaluation to ensure measurable progress toward the United Nations Sustainable Development Goals (SDGs).









Organic Waste Management and Recycling at the Research and Training Station:

Agricultural and animal waste contains large quantities of organic materials resulting from farming and processing activities. In the past, this waste was often regarded as worthless and disposed of improperly, leading to environmental pollution and the spread of disease. Recognizing the importance of sustainable resource management and the need to increase food production efficiency, the concept of recycling agricultural and animal waste emerged as a vital practice. approach transforms waste from an environmental burden into a valuable source of organic materials that enhance agricultural productivity and protect natural ecosystems. Through recycling, these wastes are converted into natural organic fertilizers used across fields, gardens, and green spaces. This process also offers researchers and students hands-on learning opportunities to study and apply practical techniques in waste recycling and organic fertilizer production.

Types of Organic Waste and Management Methods:

1. Plant Waste: Generated from various field operations and crop cultivation within the station, plant residues are collected and transported to designated areas for safe treatment and recycling. These materials undergo processing and are reused in the production of organic fertilizers that improve soil fertility and promote sustainable agricultural practices

- 2. Organic Waste (Compost): This category includes waste from cattle, sheep, horse, and poultry training and research units. After proper composting and processing, the resulting organic material is applied to agricultural lands as a natural fertilizer, enriching soil structure and maintaining long-term productivity.
- 3. Veterinary Organic Waste: Veterinary waste and animal carcasses are managed using high-temperature organic incinerators, ensuring the complete elimination of pathogens and pollutants. This environmentally friendly disposal method safeguards both animal and human health while maintaining ecological integrity.

Machinery and Processing Equipment:

The station is equipped with advanced machinery to support efficient waste recycling operations:

Shredding and Cutting Machine (CARAVAGGI – Italy): With a production capacity of 8–10 cubic meters per hour, this machine shreds and cuts tree branches, small stems, crop residues, and wood into fine particles that decompose rapidly through microbial activity, expediting the composting process.

Fertilizer Line Agitator (SITTLER – Canada): This equipment features a circular axle over 2.15 meters wide and operates through a tractor's hydraulic and rotational power. It functions by turning and aerating compost lines, enhancing oxygen flow and supporting aerobic decomposition, which accelerates the production of high-quality organic fertilizer.







آلة غربله ونخل السماد العضوي: تتكون اله الغربلة من اسطوانة دائرية ذو فتحات لفصل الأجزاء الكبيرة والأحجار والمخلفات التي لم تتحلل خلال فتره التحلل وتجهيز السماد وتحتوي على سير للنقل إلى مناطق التعبئة أو النقل المباشر والاه المتوفرة هي من نوع SITTLER الكندية الصنع



Organic Waste Management





KFU adopts a clear policy for securing sustainable and ethically-sourced food and supply chains. The university's "Policy on Ethical Sourcing of Food and Supplies" ensures that food provided across campus is high-quality and obtained according to international best practices. The university operates a dedicated training & research station: it includes orchards, hydroponic greenhouses (10,000 m²), nurseries, animal-husbandry units (cows, sheep, goats, poultry), dairy

processing (up to 10,000 litres/day), beekeeping, and feed-crop production. Surplus produce is used for internal consumption or community distribution.

The sustainability initiatives implemented in 2024 resulted in quantifiable outcomes, including a 25% reduction in energy consumption and a 19% increase in community participation in environmental programs. These outcomes illustrate KFU's alignment with SDG 12 (Responsible Consumption and Production).















13 CLIMATE ACTION

GLOBAL RANKING

95





PUBLICATIONS: 214

🛗 Data for year: 2020-2024 (SciVal)

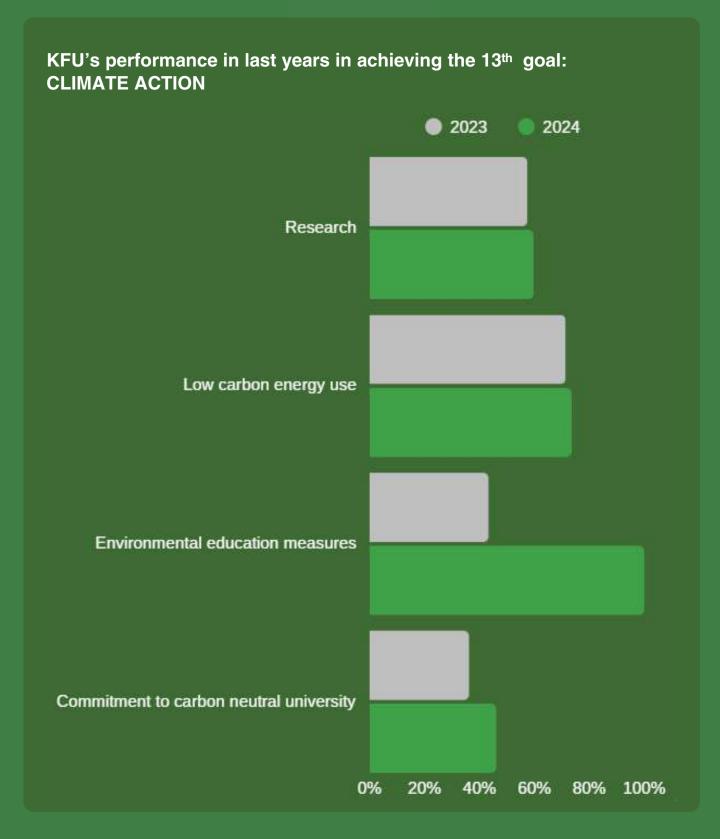
Take urgent action to combat climate change and its impacts



13 CLIMATE







13 CLIMATE ACTION





KFU places strong emphasis on climate education as part of its local community outreach and sustainability mission. Through its Education initiative, KFU Local extends learning beyond the campus to raise awareness about climate change, environmental protection, and sustainable living among residents of Al-Ahsa and the wider Eastern Region.

KFU During 2024. organized specialized programs in renewable energy and circular economy education. The university delivered 16 training workshops and six national conferences addressing sustainable innovation, thereby strengthening institutional capacity and regional awareness.

These activities are designed for all groups in society, including students, families, and professionals, helping them understand the links between local environmental actions and global climate goals.

KFU also collaborates with local authorities, schools, and NGOs to deliver climate-focused programs, promote the use of renewable energy, and encourage environmentally responsible behavior. By integrating climate education into community learning, the university contributes to SDG 4 (Quality Education) and SDG 13 (Climate Action), empowering

مشاركة كلية التربية في فعاليات "أسبوع البيلة السعودي 2024"

طوان المشاركة		نوع المشاركة
الاستداءة اليلية وصحة الطاء	Son gape egyelü	
الاستدامة فينية والموضة	دار همده اطرد الرويلي	البنصة القاعلية
هسيم اللغال في شوء البنة العدن	مح! عبدال متعب الدفيش	
غوش التجربة, ألوان والمشة	أردر جسون أرضد المحاث	ورش صل ظاطية
اعدة استدام مطلك فلمل تقلية العسوارات تسلية وبيكورات مزائية	دار مدده حقید افزویش مح خلود مصد الظفر از فاشدهٔ عیدتر مدن پوسیشهٔ	
(عقة غوير القراون	مخ البلى مجند يو هميل	
الوالي الإيكانية من بينتي	مج/ تورة سليمان المجورس مج/ ترجس معمد العشر	
بطة كوير تعوات الزواهية	مج: منال عبدالعزيز القومالي	
الشقيل الخبي استهلات الورق والكراون من أجل بينة مستدمة	دار جور آمدد فاروق مجاز ایمان معدد شلوف	
نائر البينة على الدينة الرياض	(۱) ناصر آو (یه ایراهیم اهلانها) بشایر حیاط قار اد انطانها/ آمیرة راشد الزمامی	زعان
مور القوى فيسيلة في تغزيز الاستدمة فينبية	در مده علید افرویلی تحقیام کلیدهٔ قید العبدان تحقیام فضلهٔ چخر تحواق تحقیام خیاه منتمی الوسری	
متوش ليش ولنود	دارولاه هندي لهم	
القون البحرية واستدنة البينة	أردا ساوي أيو العلا معدود	ولسك علمية
استدمة عاصناه في مطور بين القون والمور	ذاريهام معطلي لعند	
شية الكاء ابيني	10 Mar 4 Mar (6, 1844	
تقارة فنصبة على فساوى الييني لقاره	دارياب رفعاء جداد	
Eight Works of High-Intensity Interval Training Using Elevation Mask May Improve Cardineropiestory Fitness, Palmonery Functions, and Henantological Variables in University Athletes	أيار تفسر أبو زيد	
التسيم لمورد عدال تم سع لقيمة في عسم الوحات اسكية للصين الصمة القبية الإسان ورة فها		
الرحاث البنائية النظأة السنامة أحو لل سياس سنادر في المنابة العربية السوابية	دار أميرة أيو العلا سعودي	Calculate Habita Habita
Utilization of Textile Docharge Printing Principle in Creation of Artistic Patterns	دار عمل هيد القوي واللدي دار ريهام مصطلى لعمد	
فتبرج فنجم	أردار طناه كافل فضعياني	استرفية
توليف السور والقائع المعانية في مجمعات الشهول	بازداليا طئ عيدالمتم	
توليف فقامات قرائزها الموسس - التاسك	دار همدده عايد الرويلى	
الإمارية ستاما	July Law Alle	
لوحات فينة رفيية كو عوية المفاقة على طبينة	داریک رفت جداد اطالبار خیاه ملحی فتوسری اطالبار توری غازی فیسانیل اطالبار تیسانی سد اطیعی	

people with the knowledge and skills needed to build a more sustainable and climate-resilient future.







13 CLIMATE ACTION





KFU published a comprehensive outlines its Climate Action Plan that institutional commitment to addressing education. climate change through awareness and operational measures. The highlights environmental-education plan programs for the 2023-2024 academic year (such as the "Green Buildings Forum". desertification monitoring forums, campaigns, planting and Earth participation) and details how the university is integrating awareness, research, training and partnerships (for example with the National Centre for Vegetation Development & Combating Desertification) into its climate response strategy. Through these efforts, KFU contributes directly to SDG 13 (Climate Action) and SDG 11 (Sustainable Cities and Communities) by reducina emissions, promoting energy efficiency, and fostering sustainability education at the community level. Continuous monitoring and performance evaluation ensure that each initiative aligns with measurable global benchmarks



Cooperation with the National Center for Environmental Compliance



Turn off all the lights on campus for sixty minutes - Earth Hour 2024





برعاية وحضور معاني وإبر الشؤون البندية والقروبة والإسخان جامعة الملك فيصل توقيع مذكرة تعناون مع المنتدى السعودي للأبنية الخضراء



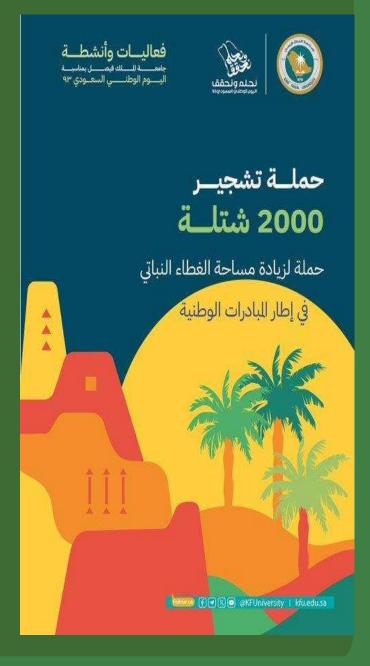
Saudi Green Building Forum





KFU emphasizes institutional its responsibility to the environment and surrounding community by embracing cooperative planning to address climatechange disasters. The university lists a series of collaborative initiatives including: participation in the international forum "Mechanisms for Monitorina Desertification and Means of Tackling It"; cooperation with King Salman Energy City ("SPARK") on renewable energy, powerdistribution. vegetation grid sand-encroachment expansion and control; a memorandum with the Imam Abdulaziz Bin Muhammad Royal Nature and increase Reserve to protect vegetation in natural reserves as part of desertification mitigation; collaboration with the Saudi Society for Environment & Combating Desertification; partnership with the National Center for Vegetation Development & Combating Desertification through knowledge-exchange agricultural cooperation; an annual treeplanting campaign aiming at 45,000 seedlings and trees; hosting a workshop on "Research, Development & Innovation for the Saudi Green Initiative and the Implementation Plan of Afforestation": organizing training course "Sustainable Construction" and hosting a forum associated with the exhibit "NET0THON" which supports the Kingdom's 2060 carbon-neutrality goal; as well as signing a cooperation agreement with the **National** for Center Environmental Compliance raise environmental quality, similarly joining the global "Earth Hour 2024" campaign by switching off campus lights for sixty minutes. These activities reflect KFU's

strategic integration of climate action into education, research, community outreach and partnerships embodying a holistic approach to climate mitigation, adaptation and resilience aligned with the UN Sustainable Development Goal 13 (Climate Action).



13 CLIMATE ACTION





KFU actively supports national and regional government efforts through a variety of institutional mechanisms. Key initiatives include the establishment of the Code Lab, which provides consulting and digital-entrepreneurship services government agencies; collaboration with the General Authority for Small and Medium Enterprises (Monshaat) to deliver promoting freelance programs entrepreneurship and SME capacitybuilding; hosting major conferences such as the "2nd International Conference on Security and Environmental Sustainability" in partnership with the

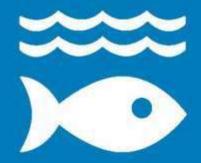
Ministry of Environment, Water and Agriculture (MEWA) and the Public Authority for Food Security, thereby advancing policy dialogue and researchto-practice linkages; and engaging strategic institutional agreements provide advisory services, technology transfer and policy support governmental stakeholders. Through these actions. KFU embeds sustainability mission into public-sector collaboration, aligning both its academic strengths and operational capabilities with the objectives of the Saudi Vision 2030 framework.





7

GLOBAL RANKING





PUBLICATIONS: 125

🛗 Data for year: 2020-2024 (SciVal)

Conserve and sustainably use the oceans, seas and marine resources for sustainable development



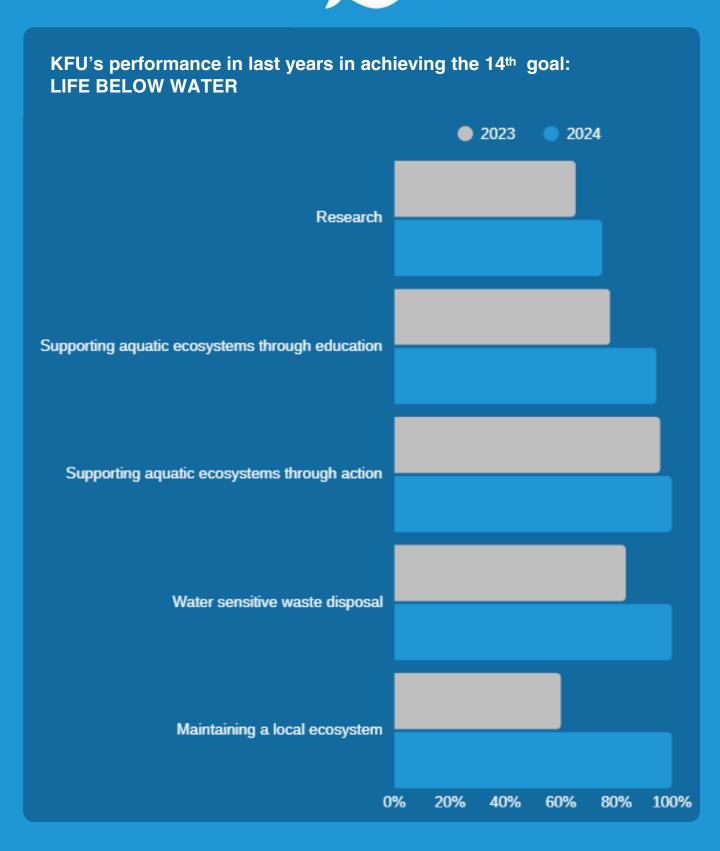
توقيع اتفاقية تعاون















KFU states its commitment to being a leader in the field of water and aquatic ecosystems (biological water systems) and biodiversity in the region. The university positions itself to work with partners and community institutions to support national transformation and generate knowledge beneficial to both local and global society.

Research and training through the Fish Resources Research Center: KFU's Fish-Resources Research Centre plays a prominent role in research, studies and practical consultations in the areas of the exploitation, management and development of living aquatic resources whether from natural fisheries or through fish-farming and monitoring the health of aquatic ecosystems.

Water & Environmental Studies Centre Programs: The university's Water & Environmental Studies Centre training courses, consulting services in water sciences and related areas. Objectives include conducting distinguished research and publishing in water & environment fields; transferring and localizing water-technologies: adopting smart water-management systems (Internet of Things for water monitoring); developing methods for treating wastewater and industrial effluents: improving water-quality; to contributing environmental sustainability via research and new tech; consultancy; providing and forming partnerships with national and international research centers









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KFU is deeply committed to promoting sustainable fisheries as part of its environmental and sustainability strategy aligned with SDG 14: Life Below Water. Through its Fish Resources Research Center, the university conducts research. training. and awareness programs focused on the sustainable management of aquatic living resources. The center studies the development of natural fisheries and aquaculture systems and technical workshops provides for professionals the fisheries and in aquaculture sectors to encourage responsible practices and prevent overfishing.

KFU also collaborates with the Ministry of Environment, Water and Agriculture and other partners to enhance fish-farming technologies. improve water-quality management, and protect aquatic biodiversity. Awareness initiatives address impact of pollution the overexploitation on marine ecosystems. emphasizing the importance of ecological balance and food security.

By integrating research, education, and community engagement, King Faisal University plays a vital role in ensuring the long-term sustainability of marine and freshwater resources, supporting both environmental protection and the economic well-being of local communities.











Project to study the marine environment and biodiversity of Tarout Island beach and Saihat beach





The Agricultural Extension Unit:

The Agricultural Extension Unit of the College of Agricultural and Food Sciences, through its Business Services Center and in cooperation with the National Institute for Industrial Training, conducts various training programs to achieve the university's goals of food security and environmental sustainability.

Among these courses is a workshop entitled "The Use of Highly Saline Water in Irrigation." Thirty-five trainees from the General Irrigation Authority participated in program, which covered several the topics, including: the importance of water and available irrigation water sources in the Kingdom of Saudi Arabia; the characteristics and standards of irrigation water quality; the problems of irrigation water salinity and its resulting salinization; the effects of using highly saline water on the environment and the risks of soil and plant salinization; best practices for reducing irrigation water salinity problems; the tolerance of plants and crops to highly saline irrigation water; different methods of irrigation water desalination and how to utilize them; the most important laboratory measurements and mathematical models for indicators of irrigation water quality and salinity and finally, laboratory assessment; analysis methods and equipment used in evaluating irrigation water quality.



KFU participation in the International Algae Conference and Exhibition by showcasing its latest scientific research, innovations, and patents.



Agreements and cooperation to protect water systems and reduce damage to them







KFU has entered into a series of agreements focused on protecting aquatic ecosystems and their biodiversity. Among the most prominent is a collaboration with Al-Qusaibi Company on a project to develop environmentally friendly technologies that contribute to reducing emissions impacting marine life.

A memorandum of understanding was also signed with the Ministry of Environment, Water and Agriculture to monitor water quality and promote environmental innovation in the industrial sector. Furthermore, a collaboration was established with Naizak Company and Lovibond Company. The workshop aimed to strengthen the infrastructure for innovation and development in the water sector and improve the quality of testing and measurement services provided by the Central Laboratories Department.



Cooperation with the National Aquaculture Association



Cooperation with the global maritime industry company



15 LIFE ON LAND

8

GLOBAL RANKING





PUBLICATIONS: 105

🛗 Data for year: 2020-2024 (SciVal)

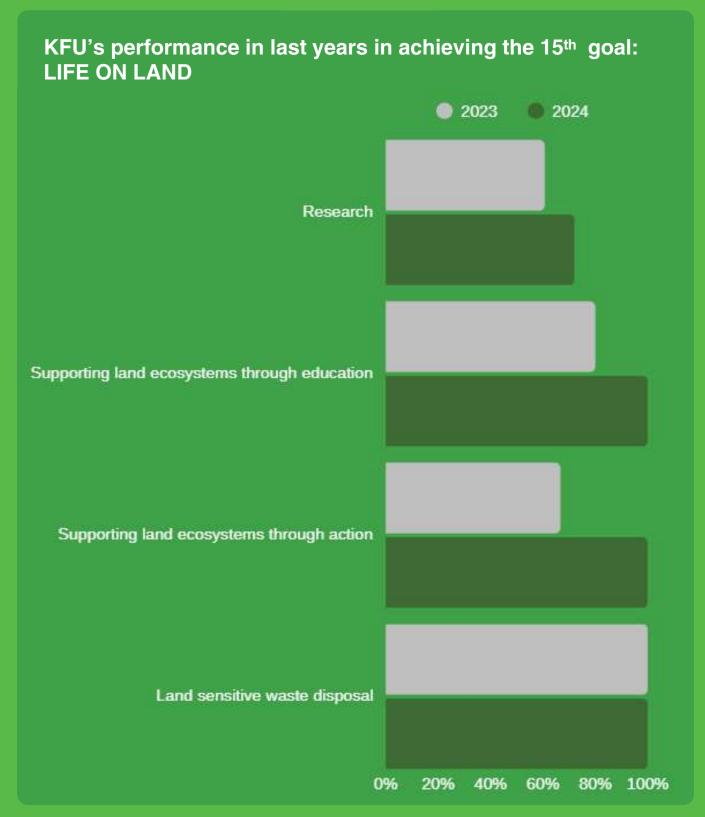
Protect, restore and promote sustainable use of terrestrial ecosystems











15 LIFE ON LAND





KFU highlights a series of events oriented around sustainability. particularly focusing on the sustainable use of land. biodiversity, and environmental protection under SDG 15 ("Life on Land"). The university positions these events as part of its mission work with partners community institutions to serve society and the global knowledge base

Examples of KFU Sustainability Events:

Food & Date Processing Industries Forum: The forum aims to open more investment opportunities in the date sector an important pillar of the national economy.

Circular **Environment Economy Forum: O**rganized by Saudi Aramco in the Southern The university Region. contributed a scientific paper titled "Soil Quality and its Effect on Vegetation Cover" and had an information stand its on environmental protection role.

Environment Week 2024: workshops, Activities included educational lectures. competitions. and an environmental exhibition featuring multiple university faculties, units centers focusina and sustainable land use, biodiversity and conservation of natural



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resources.

International Forum for Afforestation Techniques 2024: Organized by the National Centre for Vegetation Development and Combating Desertification, this forum included KFU's participation in presenting research





products on afforestation technology, desertification control, wasterecycling, water resources, forest development and related areas.

World Soil Day: An event that included a scientific and awareness exhibition consisting of eight thematic booths: soil types, soil-plant relations, soil formation, soil and climate, "happy soil" concept, sustainable management of solid waste, and applications of remote sensing/GIS in soil studies.

2nd International Conference on Food Security & Environmental Sustainability: The conference, aligned with Saudi Green Initiative and Middle East Green Initiative, addressed national and global food security, environmental sustainability and innovation. The proceedings included recommendations on international research collaboration, sustainable agriculture technologies, water-systems improvement and more.



KFU Participation in Riyadh Agricultural Exhibition

دور القطاع غير الربحي في تنمية الفطاء النبات

: سفر النمس الدين محمد غيد اللم

للخص

يغير انتية المطاء البياس من المرحضارية التنيية الاختصارية والاجتماعية بالمباكة العربية المعرفة المعرفة المنافئة المربية المحدة من تنصور الاراسي والتوسخين الساحة بأن المحافظة على الفيئة واحدة من تنصور الاراسي والتوسخين الذا هيان المحافظة على الفيئة المحافظة يعتبر مسالة هامة جما وتصاح الى مساحة وتطالع والمحافظة المحافة ومسافرة المحافظة والمحافظة والمحافظة المحافظة المحافظة والمحافظة المحافظة والمحافظة والمحافظة المحافظة والمحافظة المحافظة المحافظة والمحافظة والمحافظة المحافظة والمحافظة المحافظة المح

One of the research papers presented at the International Forum on Afforestation Technologies was "The Role of the Non-Profit Sector in Developing Vegetation Cover"



KFU participation in the International Exhibition and Forum for Afforestation Technologies 2024





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إنشاء مركز لمكافحة التصحر في جامعة الملك فيصل ليكون مركزًا بحثيًّا متخصصاً في تقييم عمليات التصحر ورصدها، وأيتكار أساليب وتقنيات حديثة لمكافحة التصحر.

حمم أنشطة البحث العلمي المتعلقة بمكافحة التصحر وتعزيزها، وإنشاء مسارات علمية خاصة بها مع توفير الدعم المالي اللازم.

إعداد الخوادر البشرية الوطنية المؤهلة في التخصصات البيثية العلمية ذات العلاقة بتنمية الغطاء النباتى ومكافحة التصحر

رابعا:

تهيئة البيئة الداعمة من تشــربعات وقوانين وخيــوابط صــارمة للتعامل مع الاختلالات المتسببة في حدوث ظاهرة التصحر وتفاقمها.

:toud5

الاهتمام بحماية التنوع الحيوي يشقيه: النباتي والحيواني لتحقيق الاستدامة البيئية.

سادشا:

الدهتمام بإدارة المراعي وتنميها وتحسين القدرة الرعوية

سابقا:

العمل على زيادة المسطحات الخضراء في المدن والأحزمة حول المدن واختيار النباتات على أسس علمية وبيتية مدروسة بما يتوافق مع البيئة المحلية.

ثامنا:

العمل على حماية الأراضي من زحف الرمال عن طريق اتخاذ الطرق العلمية اللازمة لذلك كضرورة التشجير لمواجهة الرياح المحملة بالرمال.

تحقيق التوازن المائي من أجل ترشيد النستهلاك

الاستفادة من المواقع التي ترتفع فيها نسبة الملوحة بزراعة محاصيل تتحمل الملوحة. وغسىل التربة والأراضى الملَّحية بالطرق العلمية ترفع كفاءتها واستخدامها زراعيًّا.

احدى عشر:

غرورة إعداد خرائط دورية لرصد التغيرات التي تطرأ على الأراضي السبخية.

تركير الأهداف للمحمية المستهدف إنشناؤها في بحيرة الأصفر على إعادة توطين الأنواع النبائية والحيولية في المنطقة، وتشجيع السياحة البيئية للمنطقة، فسياحة مراقبة الطيور وتحفيز البحوث العلمية التطبيقية الهادفة إلى تنمية البيئة فيها واستدامتها.

ثلاثة عشر:

تعزيز نهج التخطيط التشاركي لاستخدام الأراضي، ومخافحة تحمور الأراضي والتصحر.

نظيم وحدة دماية البيئة بوذالة البامط الدياسات العليا والبحث العلمي بالتعلون مع خلية العلوم الزراسية والأغذية

(F) (S) (S) KFUniversity I www.hfu.edu.se

15 LIFE ON LAND





KFU conducts educational programs and awareness campaigns aimed at making students and the community aware of ecosystem value, land-degradation risks, biodiversity loss, and sustainable land management.

Through its research canters (such as its Bird Research Centre and the Research Excellence Centre for Palm & Dates), the university devotes efforts to conserving plant ecosystems, wildlife habitats and regional biodiversity. For example, the Bird Research Centre works on migratory birds at Al-Ahsa's reserve.

KFU implements land-sensitive waste disposal practices: solid-waste segregation (plastic, paper, glass, aluminum), organic-waste treatment (grass, trees, composting) and proper disposal of electronic and hazardous waste. These actions help protect soil and terrestrial ecosystems from pollution and degradation.

The university treats and reuses wastewater (e.g., else-treated for irrigation) reducing the demand on potable water and decreasing potential impacts on land through less extraction and fewer effluents.











A memorandum of cooperation with the National Center for Wildlife Development in the fields of research, science, and projects to develop the Houbara bustard breeding program

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A scientific lecture entitled: "Results of the Jojoba Plant Genome Project"

KFU declares a strategic ambition to be a leader in wildlife, terrestrial ecosystems and biodiversity preservation by working with partners and community institutions and producing knowledge beneficial locally and globally.

Training in Skills for Agricultural Sector with Agricultural Development Fund: A training course on enabling technical competencies in cooperation with the Agricultural Development Fund for those in the agricultural sector, to enhance human-capital capabilities and support agricultural sustainability.









As part of King Faisal University's initiative to plant 45,000 seedlings, the university planted 40 seedlings in the outer courtyard of Al-Bandariyah Intermediate School to create a green garden for the school

The Saudi Falcons Club Research Chair aims to evaluate and analyze the current situation of the falconry sector in the Kingdom and the challenges of this sector in general and the club's program in particular, and to conduct survey studies of the locations of falcons in the Kingdom to preserve the different falcon including breeds. the rare endangered ones, which are supervised by the "Haddad" program to return falcons to their natural habitats, and to conduct scientific research on diseases prevalent in falcons, and to create a database about them, and to localize the scientific technologies used in breeding,



reproduction and tracking procedures for treating falcons in developed countries of the world, in addition to conducting scientific research on improving reproductive efficiency in falcons.





Protecting Biodiversity at KFU Research Station

KFU is working to preserve biodiversity and protect wildlife through a range of projects at its research station, in collaboration with the National Center for Wildlife Development. KFU Research Station is therefore one of the most important nature reserves in the Eastern Province of Saudi Arabia. The reserve is home to a variety of wild and endangered animals, such as gazelles and deer.

The reserve also serves as a research and training platform in the fields of biodiversity conservation and wildlife management.

In 2023-2024, the station implemented several propagation and planting projects for valuable native trees, such as acacia and tamarisk, in cooperation with the National Center for Vegetation Development and Combating Desertification.







15 LIFE ON LAND





KFU recognizes that the introduction and spread of non-native ("alien") species poses a serious risk to terrestrial ecosystems, biodiversity and sustainability. "Alien Species" The initiative is aligned with SDG 15 (Life on reflects Land) and the university's commitment to managing ecosystem health in its region.

The university supports eradication or control programs for specific alien species, such as working with the Food and Agriculture Organization (FAO) on red-palm eradication (an example of an invasive species negatively impacting local agriculture).

Through research and academic programs, KFU investigates the ecological impacts of alien species (e.g., effects on soil, vegetation, water use) and integrates findings into its biodiversity conservation strategy.

Awareness raising activities and educational modules are developed to inform students, staff and community stakeholders about the risks of invasive alien species and the importance of prevention, monitoring and management.

KFU frames the issue of shared land ecosystems as a critical sustainability challenge: ecosystems that cross institutional. or regional municipal boundaries require cooperative universities, management among governmental bodies, local authorities, industry and communities.

الضـرر والأهميـة الاقتصاديـة لحفـار سـاق النخيـل ذو القـرون الطويلـة

The Damage and Economical Importance of the Date Palm Long Horne Stem Borer Beetle (Jebusaea hammerschmidtii) Reiche (Coleoptera: Cerambycidae

د. حمدتو عبد الفراج الشفيع

A4.150

يعتبر حضار الساق من أخطر أضات التخيل في الشرق الأوسط وشمال افريقينا، وينتشر في الملكة العربية السعودية، حيث يتسبب في أضرار اقتصادية فادحة تتمثل في تجويف جدع التخلة وموقها (1. 2). البرقات من التي تحدث الضرر وتتعذى داخل جدع التخلة لمدة قد تصل 11 شهرا والحشرات البالغة قد تعيش لمدة أقصاها 3 أسابيع، الشكل رقم 1 يوضع دورة حياة حضار ساق التخيل.

للواد والطرق

تم عمل مسح ((zoving survey) التغيل في منطقة القويبة الأحساء (حوالي 1140 هكتار) حيث اختيات المتقويبة اختيات المتقويبة من 200 مزرعة بطريقة عشوائية من صمن 200 مزرعة بالبناغ منهج اخذ المينات المتقويبة (cluster sampling) approach وكذلك شمئت الدراسة حقول محطة الأبحاث والتدريب التابعة الجامعة الملك فيصبل. ثم تشخيص الاصابة عن طريق القحص التطاري للتخيل واستخدام المسائد المنوثية لجذب الحشرات البالغة وتأكيد وجود الحشرة، كما ثم تشريح النخيل للصاب بعمل قطاعات طولية وعرضية لتوصيف الضبر التناتج من تغذية البرقات.

دراسة مدى فاعلية مادة الكابسيسين والمستخلصات المائية للفلفل والقرنفل في مكافحة سوسـة النخيـل الحمـراء (R.ferrugineus O)

Study on the efficacy of Capsaicin, and aqueous extracts of pepper and clove plants on the palm red weevil (R. ferrugineus O.)

، الربعي محمد بن عمار

· Basal

يندرج هذا البحث ضمن إطار هوية جامعة الملك هيدسل والمتمثلة في العمل على تحقيق الأمن الغذائي
والاستدامة البيئية، حيث تنتمد الانجاهات الحديثة في البيئة والزراعة على استخدام بدائل المعيدات
الكيميائية التقليدية تكون صديقة البيئة وقليلة السمية للإنسان واحتدرات النافعة والتربة، وينفس
ومنتجات الأبيش الثانوي النبائية، وتعتبر مبوسة النخيل الحصراء من الحظر الاقات الحشرية التي
تستهدف واحات النخيل بالمملكة العربية السمودية والكثير من بلدان العالم، وبالرغم من وجود عدة
دراسات في هذا الإطار إلا أن هذه السبوسة ما زالت تشكل خطورة كبيرة على النخيل، ومن هذا
ندراسات في هذا الإطار إلا أن هذه السبوسة ما زالت تشكل خطورة كبيرة على النخيل، ومن هذا
المناسبة على هذه الأطار إلا أن هذه البيحت عن استراتهجيات فعالة للقشاء على هذه الأفاء والمحاسب
سناهمت جامعة الملك فيصل في البحث عن استراتهجيات فعالة للقشاء على هذه الأفاء والمحاسبل من
الحشرات، لما في المستخلصات الطبيعية من فوائد وعدم اضرار على العكس من البيدات الكيميائية،
على الرغم من وجود فوائد لاستخدام ميودات الأفائد، إلا أنه توجد فيا أثارها الخدارة الخطيوة،
مثل احتمالية التسمم البشري أو حتى العيوانات النافية الأخرى، لذا هناك ماجة البحث على توهير
مبيدات الأفات البديلة للحد من الثائير على صنحة الإنسان والبيئة.

مبيدات الأفات الديلة الدراسة الى البيات مدى هدوة بعض المستخلصات النائية إضافة الى معاد المناطة المن من خيال هذه الدراسة الى البيات سدى هدوة بوسع المستخلصات النبائية إضافة الى معادة المناسبة إلى المناطقة المناسبة المناسبة إلى المناسبة إلى المناسبة المناسبة

الكابسيسين على مكافحة سوسة التخيل الحميراء وإمكانية استعمالها كمبواد فعالبة وصديقية للبيثية.

KFU engages in agreements and cooperative programs with local authorities and environmental agencies to manage land-resources, ecosystem restoration, and sustainable land use in the wider region.



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



GLOBAL RANKING

101-200



PUBLICATIONS: 102

🛗 Data for year: 2020-2024 (SciVal)

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels



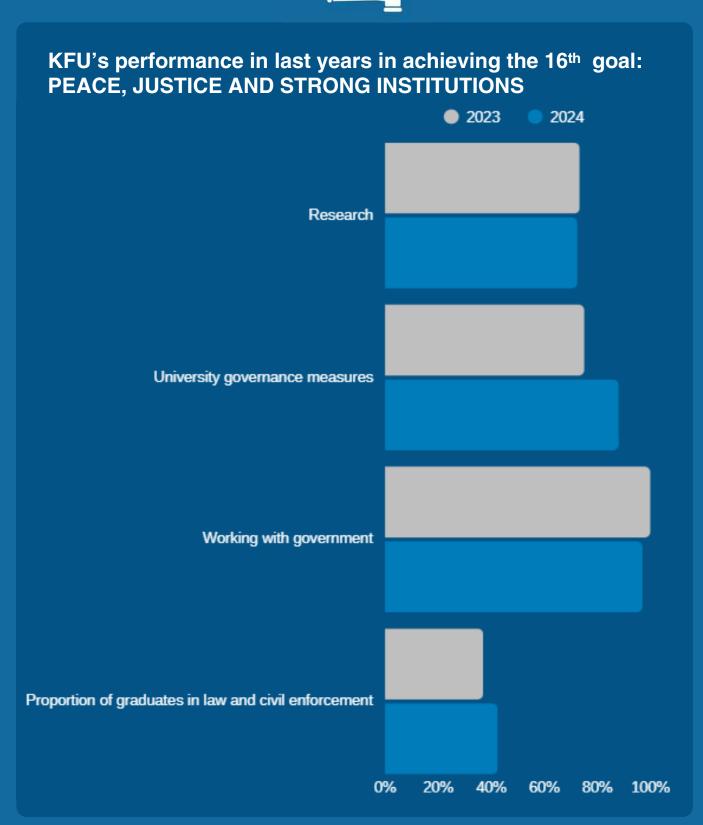
Highly Commended

Mixed-use Interior Saudi Arabia

King Faisal University Central Plaza by Dar Al-Omran to King Faisal University













KFU applies the concept of a "University Without Walls", opening its facilities, knowledge resources, and cultural assets to the entire community. The goal is to promote inclusion, well-being, and heritage preservation through open access to campus spaces and events.

Main Actions (2023-2024):

KFU Ramadan Nights 2024: A Ramadan festival hosting visitors of all ages with workshops, competitions, heritage games, and creative exhibitions. It strengthened community ties and encouraged charitable participation.

KFU Walk Initiative: A public health event, with participation from the university's Disability Club and Inclusion Unit.

Access to Sports Facilities: KFU opened its stadiums for community sporting events and tournaments. An agreement with Al-Fateh Sports Club (Apex Center) allows public use of the university's sports city for training and activities.

Public Access to the Central Library: KFU's library functions as a community cultural hub, hosting workshops such as "Resin Art and Design." It is open to the public every Saturday each week.

Through open facilities, public programs, and cultural engagement, KFU demonstrates a living model of sustainable community integration connecting education, heritage, and health with public participation.











KFU defines a set of sustainable practices organized around operational performance and clear target-setting to support the United Nations Sustainable Development Goals (SDGs). The focus is on aligning university operations, infrastructure, consumption, waste, and resource use with measurable targets.

KFU's practices include (but are not limited to):

Reducing paper use and transitioning to digital workflows ("paperless operations").

Managing organic waste and converting it to reusable resources (e.g., composting yard waste, converting plant/animal waste into organic fertilizer).

Implementing resource-efficiency in buildings, energy systems and infrastructure (e.g., through green building standards).

Promoting responsible consumption and production patterns reducing disposable



KFU Walk Initiative

materials, plastics, and optimizing procurement and operations.

Enabling monitoring/reporting frameworks that track institutional performance against sustainability targets.

KFU's "Brown-field Site" initiative addresses the redevelopment of previously used or under-utilized land within or around the campus. The aim is to convert such sites into productive, sustainable uses in



The KFU's library is open to all members of the community every Saturday





alignment with the university's identity of food security and environmental sustainability.

KFU has established several themedmuseums and public exhibitions focusing on domains such as veterinary medicine, Saudi coffee heritage, books / manuscripts, and artisan-craft traditions. These museums are open to the wider public (beyond just students and staff), thereby fostering community engagement, knowledge sharing and cultural awareness.

The university's library and museum systems are designed to allow public membership or visitation, supporting lifelong learning and community use of academic/heritage resources.

University and Community Exhibition:

The events included a forum featuring several panel discussions with officials from



KFU participation in National Day 93

from the government, private, and non-profit sectors. They reviewed several of the university's achievements in serving its community, its role in fostering integration, and its efforts to strengthen partnerships that contribute to achieving national development goals.

KFU emphasizes that "all facilities and









activities are available to everyone", and states that it places its university facilities, knowledge resources and programs in service of the broader community. One of its key sustainability-actions is contributing to arts and heritage through organizing programs, seminars and exhibitions.

Some of the notable initiatives listed include:

We Dream and We Achieve: an exhibition with student-creative stands addressing Saudi Arabia's past, present and future.

Guest Service Initiative during Hajj: organized in partnership with KFU and the regional branch of the Ministry of Human Resources & Social Development, aiming to provide full facilities and services to pilgrims in Hajj 1444H.

Documenting the History of Al-Ahsa Stories about Broadcasting in honor of World Radio Day.

Participation in national-heritage events: Saudi National Day 93, Founding Day 2024, and Saudi Flag Day 2024.

Year of Arabic Poetry

Falconry Festival 2024: KFU participated in collaboration with Al-Ahsa Governorate and the Ministry of Environment, Water & Agriculture via a veterinary-consulting stand addressing the historical heritage of falconry.

International Camel Conference 2024: KFU's participation included a lecture on genetic diversity of camels in Saudi Arabia.







16 PEACE, JUSTICE AND STRONG INSTITUTIONS





KFU has adopted remote working arrangements for certain administrative and operational functions as part of its sustainability strategy. This aligns with efforts to reduce commuting, lower carbon emissions, and promote more flexible, modern working practices.

KFU includes "Affordable Housing" as one of its sustainable practices, under the broader aim of creating inclusive and accessible educational and living environments.

The university emphasizes giving priority to pedestrians in campus road systems: pedestrian walkways, crossings, and access points are designed so that foot-traffic has precedence over vehicular movement. Measures include separate sidewalks, well-marked pedestrian crossings, speed-calming zones (e.g., slower vehicle speeds near pedestrian areas), enhanced signage for pedestrian right-of-way, and design interventions to encourage walking within the campus.





KFU recognizes collaboration with local public authorities and government institutions as a strategic mechanism to support regional development, institutional mission fulfilment, and alignment with sustainable development goals (especially SDG 17 - Partnerships for the Goals and 11 – Sustainable Cities Communities). The university states that it is committed to strengthening partnerships to serve the community and integrate its educational, research and innovation activities with public-sector needs.

KFU sets specific standards for new campus buildings and infrastructure to ensure they meet sustainable design criteria (e.g., energy efficiency, green building practices, sustainable materials, water efficiency). The university emphasizes that planning and development decisions are guided by sustainability-principles: rather than purely building standard facilities, new builds are designed to minimize environmental impact and integrate into the campus's ecological and social context.







Inventory, Identification and The Governance of Native Tree Species Classes PR12382 • CW11918

المينة الملكية لمحافظة العلا Royal Commission for AlUla

*

Services Contract

between

The Royal Commission for AlUla

and

King Faisal University

In connection with Inventory, Identification, and The Governance of Native Tree Species Classes at AlUla

Master Plan 1&2

عقد خدمات

64

الهينة الملكية لمحافظة العلا

9

جامعة الملك فيصل

فيما يتعلق بـ تعريف وتحديد وحوكمة برنامج الأشجار المعمرة في المخطط الرئيمي لمدينة العلا 184

Developing a perennial tree program in the master plan for Al-Ula city







The University's Commitment to the Saudi Building Code:

In accordance with Royal Decree No. M/43 dated 4/26/1438 AH regarding the obligation of all construction work in the public and private sectors to apply the requirements of the Saudi Building Code, which is a set of conditions and requirements and executive regulations appendices and related to building and construction, to ensure safety and health, KFU, through its Projects Department, continuously monitors and secures all the requirements and conditions for the application of the Saudi Building Code in all its classifications in all university buildings.



Smart Buildings Project

This project aims to provide smart solutions that enhance energy efficiency and reduce waste by fully controlling building closures outside of official working hours. The Smart Buildings Project features automated entry and exit controls based on user preferences, and it also enables integrated management and remote control of building gates. This launch represents a significant



step towards a more sustainable and intelligent future in building management, reflecting the university's commitment to adopting the latest technologies to serve its staff and ensure the safety and security of its buildings and property.









17 PARTNERSHIPS FOR THE GOALS

GLOBAL RANKING

43





🛗 Data for year: 2020-2024 (SciVal)

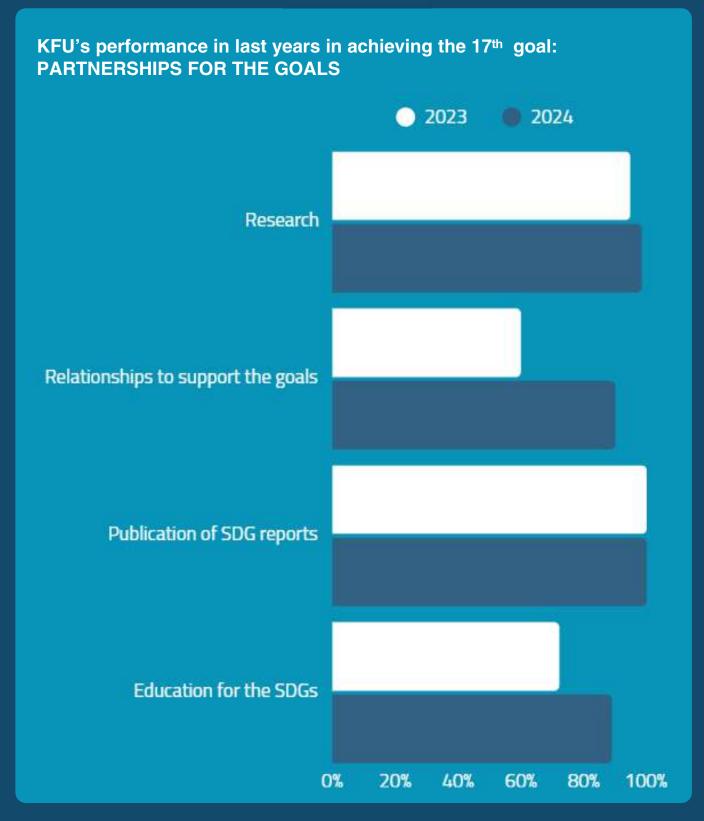
Strengthen the means of implementation and revitalize the global partnership for sustainable development



17 PARTNERSHIPS FOR THE GOALS









KFU's Global and Local Partnerships







KFU aligns with Saudi Vision 2030 in emphasizing the urgent need to enhance both community and international partnerships, in order to advance education, health, the economy and other systems of progress. The university presents a set of strategic partnerships that are beneficial to all parties and help achieve the Sustainable Development Goals (particularly SDG 17: Partnerships for the Goals).

Buildings Forum": KFU is a major partner, contributing through education, training, awareness-raising, and environmental research, aiming toward zero-carbon built environment.

-Memorandum of Understanding (MoU) with local NGO "Diriyah Gate" to attract and train Saudi talent for development projects, equipping graduates with necessary market skills.





Examples of Partnerships and Cooperative Initiatives:

- -Collaboration with the Regional Prisons Directorate in the Eastern Province: KFU is exploring distance-learning bachelor's programmes for inmates, alongside other distinctive programmes.
- -Partnership with the Chamber of Al-Ahsa (via the Agricultural Development Committee) in the "Food and Processing Industries of Dates" forum aimed at opening up investment in the date sector.
- -Agreement with the National Center for Water Efficiency and Conservation: For joint research, training, awareness, and improving water supply chains in urban, industrial, and agricultural domains.
- -Participation in the "Saudi Green

- -Joint projects with government entities: e.g., agreement with Human Resources Development Fund ("Hadaf") to register KFU as a training service provider via the national "Taqat" portal.
- -Collaboration with the Arab Organization for Education, Culture and Science (ALECSO): KFU signed a cooperation agreement to deliver distance training programmes for faculty in member countries; more than 1,000 trainees from 22 countries benefitted.
- -Joint scientific-research project with University of Queensland (Australia) on the genome of the jojoba plant: resulted in publishing six peer-reviewed papers, etc.

Impacts & Strategic Value

•These partnerships advance KFU's







societal role, bridging the university with government, industry, NGOs, and international institutions.

- •They support multiple Sustainable Development Goals, especially SDG 17 (partnerships) but also others such as decent work, innovation, sustainable consumption/production, climate action, etc.
- •They enhance KFU's capacity in research, training, community service, innovation, and in leveraging regional advantages (e.g., date industry, water resources).
- •They position the university to contribute to regional-economic development and national priorities under Vision 2030.



KFU has adopted a clear institutional identity focused on food security and environmental sustainability. The university states that to fulfil this identity, it will deploy its capabilities across its core functions teaching-learning, research, community partnership, leadership, and business innovation.

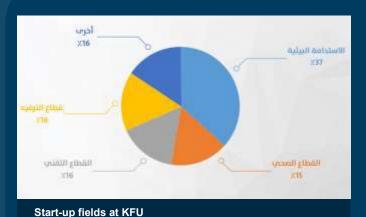
KFU emphasizes that part of its mission is to be a "future-oriented environment locally, regionally and globally" and to be "research and development producing".

One major thrust is embedding food security and environmental sustainability into educational programs both by incorporating relevant courses ("inclusion of sustainability modules in programs") and by launching new programs aligned with the institutional identity. KFU specifically presents examples of how sustainability topics have been included in coursework and curricula.

KFU has established a Business Incubator to promote innovation, entrepreneurship and start-ups, particularly those aligned with food security and environmental







sustainability.

Because the incubator is located within the university and situated in the Al-Ahsa region (which has comparative advantages such as dense agriculture, food industry, energy, health, education sectors), it facilitates strong linkages between students/faculty and local/regional economic sectors.

Applied Programs & Skills Development:

KFU provides training programs undertaken in collaboration with external actors: For example, a training program in the United Arab Emirates for farmers on "Integrated Pest Management" and a training program for the Environmental Agency in Al-Ahsa on measuring environmental impacts, monitoring pollution, etc.

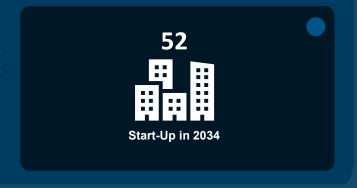
These applied programs show how KFU links its educational mission to real-world sustainability challenges.

KFU demonstrates a holistic approach: not only teaching sustainability theory but operationalizing it through entrepreneurship, start-ups, applied training, curriculum design.

The focus on food security and

environmental sustainability gives the university a clear thematic niche, which makes the educational efforts more distinctive.







Cooperation agreement between the Arab League Educational, **Cultural and Scientific Organization (ALECSO)**





Startups from the KFU Incubator 2024









The "Dialogue / Cross-Sectoral Dialogue about SDGs" initiative by KFU is an important institutional tool beyond teaching and research that engages the wider ecosystem (industry, government, non-profits) in sustainability challenges, aligns university strategy with national vision (e.g., Saudi Vision 2030), and produces actionable recommendations.

The aim of such dialogues is to engage multiple stakeholders (government, private sector, non-profits, academia) in conversations about sustainability challenges and solutions especially aligned with KFU's institutional identity (in food security and environmental sustainability).

The "2nd International Conference on Food Security and Environmental Sustainability" aligning with KFU's identity and raising issues such as agricultural sustainability, innovation, digital solutions in food systems.

A "Hackathon" event tied to the conference that brings together innovators, developers and experts in the domain of food security, environmental sustainability and Al/technology.

The 8th Forum of Graduates of the College of Computer Science & Information Technology, 2023 under the theme "We Connect to Reach" which included active dialogues between governmental/private sectors about implementing SDGs and resulted in signed cooperation agreements.

Participation in other events such as exhibitions or conferences like the "International Dates Conference" (with 36 countries) or the "International Conference



A training program conducted by the Applied College in cooperation with the Agricultural Training Center in Al-Ahsa, affiliated with the Ministry of Environment, Water and Agriculture

of the Association for Camel Research & Development" demonstrating KFU's role in facilitating dialogues across sectors and research topics.











International collaboration at KFU strategic and thematic, not just broad or passive. It is tailored to the university's identity (food security/environment) and sustainability objectives. The breadth of partners (global, cross-continent) provides a strong foundation for research, innovation, academic enhancement. These collaborations serve enablers as for institutional transformation: enhancing capacity, elevating reputation, connecting to global issues and networks.

Collaboration with Wageningen University & Research (Netherlands) for improving agricultural practices.

Collaboration with University of Queensland (Australia) on jojoba-plant research.

Agreements with a range of Asian universities such as Lanzhou University (China), Istanbul University (Turkey), and Kanazawa University (Japan).

Through these collaborations, KFU supports joint research projects, student and faculty exchanges, and shared capacity-building programs in sustainability fields.



Training program in Spain on global good agricultural practices standards



Statistics for the Food Security and Environmental Sustainability Incubator for the year 2024





KFU views NGOs as key actors in capacity-building, social innovation, community engagement and applied training: working together with KFU to address sustainability-relevant social and environmental challenges. Several tangible collaborations between KFU and NGOs/local non-profit actors were applied. Some examples include:

A "Social Investment Challenge Camp" in the Eastern Region aimed at empowering the social-investment ecosystem and engaging the non-profit sector in sustainable/entrepreneurial solutions.

A training program, in cooperation with the Saudi Journalists Association - Al Ahsa, titled "Digital Media in the Non-Profit Sector", which attracted over 180 trainees.

A cooperation agreement signed during the International Non-Profit Sector exhibition between KFU and the National Centre for Non-Profit Sector Development to jointly deliver research/training services and strengthen human-capital capacities in the non-profit domain.

A memorandum of understanding with the Diriyah Gate Development Authority (an NGO-type organisation) to help attract and train Saudi talent for large-scale development projects, preparing graduates with applicable skills.

A joint initiative with the Ajwaa Al Ahsa Environmental Group focused on raising community awareness in environmental matters (combating desertification, increasing green cover) in partnership



between KFU and the NGO.

Additional partnerships with many local NGOs (e.g., charities concerned with kidney-failure patients, smokers-cessation charities, associations for persons with disabilities, youth councils) to embed social-sustainability work into the university's ecosystem.







KFU identifies a need to embed sustainability in the curriculum by offering specific courses that address sustainability topics, aligned with its institutional identity (food security & environmental sustainability).

KFU provides a variety of courses dedicated to sustainability across levels and disciplines. Some of courses related to food security, environmental sustainability, energy, water use, ecosystems.

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أشغال الغزف	~	
تقنيات الغزف	~	
التشكيل بالغامات البيثية والمسهلكة	· ·	38
أشغال المعادن	~	- 10
تشكيل مجسم	8	
تصوير تشكيلى	4	1

	المقررات	ضع علامة (٧) أما الخيار المناسب	
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	ملم التشريح		~
	وظائف أعضاء العهد البدنى		1

Names of some courses that serve the purpose of sustainability or contain topics in sustainability







University Identity Series

Deanship of Development and Quality Assurance Presents Educational Program

Sustainability: Incorporating Its Concepts into **Your Teaching**

Highlights

How to encourages an interdisciplinary approach, bridging subjects like science social studies, and ethics to instill a holistic understanding of sustainability,



28 - 11 - 2023



10:00 - 11.30 Am



Speaker Dr. Anne Forbes

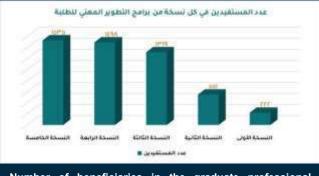






The "Education for SDGs in the Wider Community" initiative at KFU reflects how an educational institution can extend teaching and training mission into society at large engaging non-traditional learners, strengthening links to regional (agriculture. environment, professional skills), and embedding sustainability in community outreach.

Some of the main community-engagement programs described include:



Number of beneficiaries in the graduate professional development program

Career Week: An event open to all community groups aimed at providing training, educational programs, and skill-development aligned with the labour market. The event welcomed more than 20,000 visitors and included an exhibition with 40+government and private institutions.

Volunteer with Your Expertise: Initiative organized by the university's Volunteer Work Unit, this initiative offered 42 training programs/lectures/consultations, carried out by more than 50 volunteers (faculty, staff, students, and community members) for a total of over 500 volunteer hours.

Community Partnerships & Service Programs: The university mentions that through its Community Partnership Development Office it has engaged many community institutions and individuals across various programs, taking advantage of university capacities for community benefit. For example: An exhibition on food security and environmental sustainability.



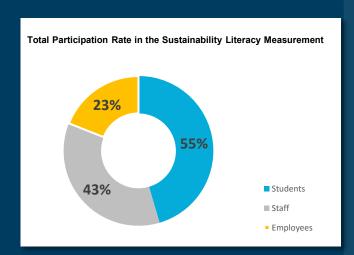


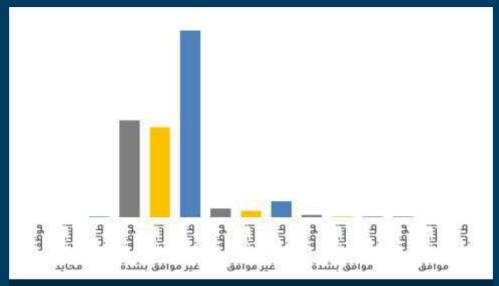
Sustainability Literacy Measurement:

KFU is committed to assessing the environmental and sustainability culture among its employees to evaluate the community's understanding of sustainability concepts.

The university also seeks to measure the sustainability culture on campus by evaluating students' knowledge of sustainability topics and challenges, as well as understanding how sustainability influences student enrollment decisions.

The 2023–2024 survey was distributed via Najiz to all university members, including students, faculty, and staff. It contained questions aimed at exploring the overall culture of sustainability within the university community.





One of the questions directed to measure the culture of sustainability "Is the environmental pollution not an important issue?" Through these results, students' awareness of the issues of sustainability and environmental pollution is evident

KFU Sustainability Report 2024





