17.2.5 Collaboration with NGOs for SDGs

The strategic plan of IU focused on collaborations. Collaborating with NGOs is a strategic objective at Isra University to further SDGs. NGOs often have expertise, experience, and resources that can enhance the initiatives. The following are examples:

<u>Physiotherapy Students at Al-Isra University Visit Al-Hussein Association for Training and Comprehensive Integration</u>

The Department of Physical Therapy at the College of Allied Medical Sciences at Al-Isra University organized a scientific visit to the King Hussein Society for Training and Comprehensive Integration, with the aim of introducing students to the applied aspect and learning about the nature of the Association's work. This visit for the students of the Department of Physical Therapy comes within the framework of Isra University's endeavor to provide educational and educational services through visits to the relevant institutions, within the course of prosthetics and rehabilitation accompanied by Dr. Weal Thunaibat.

The visit included an introduction to the role played by the King Hussein Society for Training and Inclusive Inclusion, which aims to improve the situation of people with disabilities, in addition to a tour of the prosthetic limbs and medical devices operator and the operator of modification and maintenance of motor aids.



Energy Engineering Students at Al-Isra University Visit the Arab Technical Group (ATG)

As part of the university's vision to connect students with smart renewable energy systems and methods of rationalizing energy efficiency and sustainable development in green buildings, students of the Department of Energy Engineering at the Faculty of Engineering at Al-Isra University paid a scientific visit to the Arab Technical Group. (ATG) The students were accompanied on the visit by the Head of the Student Affairs Committee at the College of Engineering, Dr. Nour Khalifat, and the head of the AEE branch at Al-Isra University, Eng. Faten Al-Sarayrah.



The visit included a review of the latest developments in the world of air conditioning technology and the latest means used by the Japanese company Daikin and the Italian BAXI company, which is the first technology in the boiler industry, and how to apply the technology to improve the efficiency of boilers and reduce fuel consumption, which contributes to making home heating more effective and economical.

The students were briefed on the requirements of the international LEED certification and learned about the supply and installation projects of the Japanese smart central air conditioning system VRV IV+ from the Japanese company Daikin in the Hashemite Kingdom of Jordan. The students toured Ginkgo Solar's high-efficiency solar panel products, in addition to presenting the feasibility of some existing projects that include the payback period.

Al-Isra University Hosts a Course on the Qualification of Women Leaders

The Youth Leadership Development Center at the Ministry of Youth, in cooperation with the Hashemite Fund for the Development of the Jordanian Desert, held during the period 3-6/6/2024 a course on the qualification of women leaders at the campus of Al-Isra University. 28 young women leaders in the Central Desert attended the course, which aims to provide women leaders with information, knowledge and leadership skills to enable them to participate effectively in the renaissance and development of societies on the professional and personal levels. The course included



workshops and dialogue sessions on effective leadership, its types and leadership qualities, and the preparation and qualification of women leaders while providing them with time management and decision-making skills, communication skills, self-change, and challenges and pressures in the work environment. The course also contributed to promoting leadership thinking and leadership traits, presenting the experiences and models of women leaders, in addition to discussing obstacles and providing solutions. The Dean of Student Affairs at Al-Isra University presented in a dialogue session in which he talked about enhancing the role of women in society in conjunction with the parliamentary elections and the importance of partnership with all institutions to work on empowering women to be able to participate effectively in political life, in addition to the role of the media in highlighting the need to empower women in decision-making.

Al-Isra University Organizes a Volunteer Activity to Plant Trees in Mount Nebo

The Faculty of Science at Al-Isra University, in cooperation with the Deanship of Student Affairs and the Greater Madaba Municipality, organized a volunteer activity to plant trees in the park of His Highness Crown Prince Hussein bin Abdullah II in the Mount Nebo area, on the occasion of the celebrations of the 78th Independence Day of the Hashemite Kingdom of Jordan. The activity, in which students of the College of Science and a number of faculty and administrative staff members at the university participated, aims to instill the concepts of belonging and serving the local community.



The activity included the planting of 20 Zanzalkh trees and 30 forest trees, in addition to cleaning the area of Mount Nebo and taking care of the surrounding environment. The Dean of the College of Science,

<u>"Engineering" of Al-Isra University Organizes a Scientific Trip to Tafila Wind Power</u> Plant

The Department of Renewable Energy Engineering at the Faculty of Engineering at Al-Isra University organized a scientific trip to the Tafila Wind Power Plant, with the aim of linking the theoretical part with the practical reality of wind power plants. This visit comes within the course of analyzing and measuring the speed and quality of wind, under the supervision of the Head of the Department of Renewable Energy Engineering, Dr. Muhannad Al-Gharaibeh, and the Supervisor of the Wind Energy Laboratory, Eng. Hassan Theeban. The visit included a tour of the control room of the wind farm,



and learned about the parts of the wind turbine and its mechanism of operation, as well as an explanation of the electrical and mechanical components of the turbines, how to control and how to brake them theoretically and practically. Al-Isra University is keen on practical application by providing distinguished education that links theoretical knowledge to the realities of the labor market, combines theoretical and applied qualifications with field training, and provides students with training opportunities to empower them with skills, competencies, and jobs aligned with future needs. The Tafila Wind Power Plant is one of the first commercially operational wind power plants in the Middle East, and the 117 MW plant in the Hashemite Kingdom of Jordan has contributed to increasing Jordan's total electricity generation capacity by 3%.

<u>Al-Isra University Participates in a Workshop on Metals in Energy Technologies in the Arab Countries</u>

The Faculty of Engineering, represented by the Head of the Department of Renewable Energy Engineering, Dr. Muhannad Al-Gharaibeh, and the Assistant Dean for Quality Affairs, Dr. Ismail Hudaib at Al-Isra University, participated during the period 7-9/5/2024, in a workshop on the reality and prospects of metals used in clean energy technologies in the Arab countries. The Ministry of Energy and Mineral Resources, the Energy and Minerals Regulatory Authority, and the Arab Organization organize this workshop Industrial Development, for Standardization



and Mining.

The workshop included a discussion of the importance of increasing demand for minerals within geological environments and mineral regions, in addition to the continuous development of modern digital technologies. The Dean of the Faculty of Engineering, Dr. Nasim Al-Numan, appreciated the role of Al-Isra University in supporting the attendance of such workshops and benefiting from them, which will contribute to the exchange of scientific experiences and the acquisition of new information.

Dr. Al-Gharaiba and Dr. Hudaib stressed the importance of the workshop as it has an opportunity to exchange discussions between those concerned with the mineral resources sector, experts and

those interested in the public and private sectors, and to promote the energy transition to confront climate change and keep pace with technological development, and to link the sectors of infrastructure, digital technology and manufacturing industries to achieve the goals of sustainable development.

-Launch of the Book Exchange Campaign at AlIsraUniversity

Under the patronage of His Excellency, the President of Al-Isra University, Prof. Dr. Mohamed Hamed, the Al-Isra University Library, in cooperation with the Deanship of Student Affairs, organized, on Tuesday, 14/5/2024, a university book exchange campaign. The campaign, which was attended by a number of faculty and administrative staff members and university students, witnessed a turnout for the process of exchanging books and benefiting from them culturally and scientifically. This campaign aims to collect university textbooks that students finish using by collecting them and redistributing



them to other students to benefit from them, ensuring the dissemination and dissemination of scientific and cultural benefit, spreading the spirit of cooperation and solidarity among students, increasing students' sense of the importance of books, and facilitating science and knowledge among students.

The President of the University said that this campaign facilitates the process of replacing university textbooks from various colleges and specializations, by collecting them and reducing the financial burdens on students, and making them easy to obtain, in a way that enhances solidarity, increases the demand for volunteer work, and disseminates scientific and cultural knowledge that contributes to building generations that adhere to science and knowledge. It is worth mentioning that Al-Isra University has been implementing book exchange campaigns in previous semesters that contribute to the process of spreading student knowledge, to be a student gesture that deepens the concept of volunteer work and social values among students. The President of the University praised the distinguished efforts made by the Director of the Library and her colleagues in providing books, magazines and all sources of knowledge through international databases, as well as providing the ideal environment within the library

Al-Isra University Participates in the Sixth Scientific Conference Entitled "Inclusive Education and the Empowerment of People with Disabilities"

Dr. Sabreen Al-Halalmeh, Assistant Dean of Student Affairs and Faculty Member (College of Educational Sciences), participated in the Sixth Scientific Conference entitled "Inclusive Education and the Empowerment of People with Disabilities" and being a member of the Scientific Committee, organized by Let's Learn Together Academy for Vocational and Technical Education and Training in cooperation with the Greater Amman Municipality. It is worth mentioning that this participation comes due to the university's keenness to attend such events that are concerned with empowering people with disabilities in the community, and exchanging experiences.



Eid Clothing Initiative at Al -Isra University



The Deanship of Student Affairs organized the Eid clothing initiative in cooperation with the Student Activities Committee at the University for a number of orphan associations, coinciding with the arrival of Eid Al-Fitr, and this initiative comes to the importance of achieving community solidarity, by supporting charitable and humanitarian initiatives to spread the spirit of affection and harmony in the community.

His Excellency Prof. Dr. Mohammed Hamed stressed that this initiative comes in response to the vision of His Majesty King Abdullah II Ibn Al

Hussein on the need for all efforts to cooperate to serve the Jordanian citizen. Prof. Dr. Bilal Al-Sakarneh, Dean of Student Affairs, pointed out the importance of these charitable initiatives in providing orphans and chaste families with the happy Eid Al-Fitr clothing to put a smile on their faces.

Al-Isra University Holds Training Workshops on Chemical Industries

The Student Affairs Committee at the Faculty of Science at Al-Isra University organized, over the course of two weeks, training workshops on the chemical industries, with the aim of enhancing knowledge and empowering students from the practical side. 66 students and graduate students attended the workshops, which were presented by Ms. Dareen Hamidat. The workshops included providing students with practical skills and knowledge in the field of chemical industries, such as making multi-use perfumes and hand wash to



enhance career opportunities after graduation. Al-Isra University holds a series of training workshops that contribute to developing students' practical skills to keep pace with the needs of the labor market in the field of manufacturing, emphasizing the importance of motivating students to participate and expand their scientific vision.

"Engineering" of Al-Isra University Visits Madaba Wastewater Treatment Plant

As part of the series of activities carried out by the Faculty of Engineering at Al-Isra University and in all scientific, service, humanitarian and field aspects, the Department of Civil Engineering visited the Madaba Wastewater Treatment Plant, with the aim of linking theoretical knowledge with practical applications.

This visit, which was supervised by Dr. Abdel Majeed Lougham and Eng. Doaa Al-Majali, comes within the course of water treatment. The visit included learning about the different stages of wastewater treatment, including primary, secondary and tertiary processes, to realize the importance of wastewater management in maintaining public health and environmental safety and achieving the Sustainable Development Goals.

The Dean of the College of Engineering, Dr. Nasim Al-Noman, pointed out the importance of enhancing field visits, providing initiatives and activities that support students, and promoting scientific knowledge.



Al-Isra University Meets with One of Its Distinguished Alumni, the Owner of the Invention of Organic Fertilizer Bearing the Researcher's Name "ALEN"

His Excellency the President of the University met with the distinguished engineer Allen Al-Battoush, a graduate of Al-Isra University, majoring in engineering projects, where they discussed in this meeting about the master's thesis tagged "Sustainable Management of Sewage Sludge in Jordan – The Wastewater Treatment Plant in Samra: A Case Study". Eng. Aline Al-Battoush said that the idea for this study started when she looked at the issue of waste management in Jordan, and found that there is a huge gap in the sustainable use of resources, especially in terms of sludge from wastewater treatment plants. Instead of disposing of sludge in open lakes, and relying on unsustainable methods such as incineration, she designed an analytical study of the technical and economic feasibility of using the composting technique."The study showed how to apply the Samra plant as a "case study",



which is the largest wastewater treatment plant in Jordan, which suffers from large amounts of sludge resulting from purification processes, while the average annual sludge is estimated at 80,000-100,000 tons and is disposed of in open lakes next to the Samra plant. She explained that by designing an experiment for the "Aerobic Composting" process, this sludge was converted into an organic fertilizer named "ALEN" that can be used in agriculture, and special reactors have been developed under certain conditions to ensure the success of this process. This study is the first in Jordan to apply this experiment to sludge. She pointed out that this study is in line with the Sustainable Development Goals and national trends to reduce climate change, by transforming organic waste into a valuable resource, instead of threatening the environment and human health through traditional disposal methods, as it contributes to achieving a balance between the environmental, economic and social dimensions, and enhances the role of agriculture as a vital sector in building a sustainable and healthy future for society.

Inauguration of Dafa Volunteer Campaign at Al-Isra University

His Excellency Prof. Dr. Mohamed Hamed, President of the University, inaugurated the Dafa volunteer campaign, in the presence of the Dean of Student Affairs, the deans of the colleges, and the members of the committee responsible for this campaign. This campaign comes within the framework of the university's continuous efforts to help alleviate as much as possible the workforce at the university to face the current winter. Many inkind items were distributed such as quilts, blankets, children's clothing, shoes and other items. We would also like to thank all those who contributed to the financing and success of this



campaign, including colleagues and members of the faculty and administrative staff.

The College of Pharmacy Participates in the Regional Workshop Entitled "Best

Practices for Evaluation in Pharmacy Education"



Prof. Dr. Dean of the College of Pharmacy, with the support of the University Presidency, participated in a workshop entitled "Best Practices for Evaluation in Pharmacy Education" organized by the Accreditation Council for American Pharmaceutical Education (ACPE) and held at Gulf Medical University in the Emirate of Ajman, UAE. Prof. Dr. Mira Ababneh pointed out the importance of these training workshops, which aim to realize the importance of curriculum evaluation in the student's learning outcomes in pharmacy and improve the program by aligning assessments, course objectives, and program outcomes, in addition to creating effective and more appropriate assessments for the needs of the institution and its programs. It is noteworthy that the participation of Al-Isra University in this workshop comes in the context of preparations to obtain the American accreditation certificate (ACPE), which is considered one of the highest accreditations in the world, where the Faculty of Pharmacy at Al-Isra University, with the support of the Presidency of the University, has developed the field pharmaceutical training plan by concluding agreements with multiple training bodies and holding training workshops to develop faculty members and integrate students in the committees working at the college.

A field visit by the students of the Department of Civil Engineering to the sewage

treatment plant located within the campus



The students of the Faculty of Engineering (Department of Civil Engineering) visited the sewage treatment plant located within the campus and accompanied by Dr. Abdel Majeed Lougham and Eng. Malak Al-Jaafra. The visit included learning about the plant's working mechanism, the different stages of treatment, and how the plant contributes to supplying the university with treated water for various uses, which contributes to the university's sustainability strategy, which preserves the environment and reflects positively on society and the economy.

Renewable Energy Engineering Students Visit the National Electricity Company

The Student Affairs Committee at The College of Engineering organized a scientific visit for the students of the Department of Renewable Energy Engineering at the University and members of the Society of Renewable Energy Engineers (AEE) of the National Electricity Company - Control Center, accompanied by Dr. Nour Khalifat and Eng. Faten Al-Sarayrah, where the students were briefed on the mechanism of generation, transmission and distribution of electrical energy in Jordan within the infrastructure system of the electrical



participation renewable system, and the of energy in this system. The students also visited the control room of the National Electric Power Company (NEPCO) and were briefed on how the loads are distributed on the grid, the percentage of renewable energy contributing to those loads over time, and the effort exerted by the National Electric Power Company in securing the electrical load in а safe and stable manner. The visit included a discussion between students and faculty with the heads of departments at the National Electric Power Company on the challenges of renewable energy in particular and energy in general in Jordan, and the importance of enhancing the participation of Al-Murra in the fields of engineering and the specialization of renewable energy.

<u>Al-Isra University Participates in the Thirteenth Annual Meeting of the Arab</u> Renewable Energy Authority

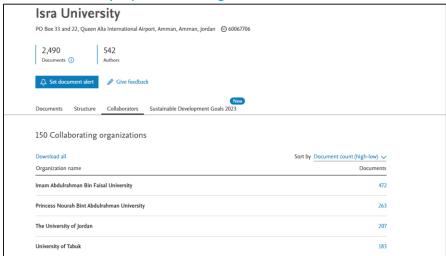


Dr. Nasim Al-Numan (Dean of the Faculty of Engineering) and Dr. Muhannad Al-Gharaibeh (Head of the Department of Renewable Energy Engineering) participated in the thirteenth annual meeting of the Arab Renewable Energy Authority, which was hosted by Al-Isra University. Speaking during the meeting, Dr. Nasim Al-Numan pointed out the need for the presence of a number of representatives of the private industrial sector in the meetings of the Arab Renewable Energy Authority because of its role in accelerating the pace of the use of renewable energy in the Arab world, and the fact that the legislation adopted and cooperation plans have a direct impact on the private sector, and added the importance of the adoption of research projects by the Arab Renewable Energy Authority in partnership with universities and various sectors. It is

worth mentioning that Al-Isra University and the Arab Renewable Energy Commission signed a memorandum of understanding for the purpose of activating research cooperation between the members of the Arab Commission from the Arab countries, partnership in the research and academic fields, exchanging studies and experiences, organizing joint visits for students, faculty members and researchers, participating in holding conferences and seminars, in addition to encouraging the conduct of scientific studies and researches of common interest and the exchange of research. At the end of the meeting, the Dean of the Faculty thanked the Arab Renewable Energy Authority and stressed that the doors of the university are open to any activities that promote the uses of renewable energy and the laws related to it, which will benefit the community and its request to the university.

Research

In total based on the Scopus Database, Isra University is affiliated with 150 organisations for research purposes that align with the SDGs



- A research collaboration based on case study in Jordan was made between the Health Care Accreditation Council (HCAC) (NGO) and Isra University from Jordan, The WHO, Kingston University (UK), Aston University (UK) to study the effect of COVID 19 on the quality of services in Jordan the project was published under the following title: Upholding Quality and Patient Safety during COVID-19 Pandemic—A Jordanian Case Study. Link to the study Upholding Quality and Patient Safety during COVID-19 Pandemic— A Jordanian Case Study (mdpi.com).
- Additional research collaboration between Isra University the HCAC, USAID, Ministry of Health-Jordan, under the title Assessment of Hospital Readiness to Respond to COVID-19 Pandemic in Jordan—A Cross Sectional Study. Link to the study <u>Assessment of Hospital Readiness to</u> <u>Respond to COVID-19 Pandemic in Jordan—A Cross Sectional Study</u> (mdpi.com).

Education

IU was actively engaged in several national and international projects that foster collaboration with NGOs for SDG to improve education.

1. Projects with the European Union under Erasmus Project as follows: Introducing Recent Electrical Engineering Developments into the undergraduate curriculum

The aim of the project is to knowledge transfer and capacity building for both staff and students. This aligns with SDG4 particularly indicator 4.4., 4.4.1.

The project is public and can be found at KM_C287-20190509125426 (erasmusplus.org.jo)

Selection Compendiu	m CBHE 2019				
609971-EPP-1-	2019-1-JO-EPPKA2-CBHE-JP				
Project Informati	on				
Reference Number	609971-EPP-1-2019-1-JO-EPPKA2-CBHE-JP				
Application Title	Introducing Recent Electrical Engineering Developments into undErgraduate cuRriculum				
Application Acronyr	n IREEDER				
Action Code	CBHE-JP				
Project Start Date 15-Nov-2019					
Project End Date					
Duration (months)					
Grant Requested 768,627.00					
EUD Consultation	YES				
roject Characteris roject Type	tics, Aims and Objectives National project				
pecific Activity	Curriculum development SDG 4				
ubject/Thematic Area	Information and Communication Technologies (ICTs)				
	Improve the level of competences and skills in HEIs by developing new and innovative education programmes				
BHE Actions	Improve the quality of higher education and enhance its relevance for the labour market and society SDG 4				
BHE Aims and Object	Support eligible Partner Countries to address the challenges facing their higher education institutions and systems, including those of quality, relevance, equity of access, planning, delivery, management, governance				
	Support the modernisation, accessibility and internationalisation of the higher education				
	field in the eligible Partner Countries				

The project objectives were to improve the curricular through collaborations.

2. Another project was related to **curricula development for better education** (SDG4)

"Introducing Recent Electrical Engineering Developments into Undergraduate Curriculum

(IREEDER)" which was a collaboration with national, regional and international organisations

The project aimed at developing curricula, provision of educational material, capacity building and training of trainers. (ref: IREEDER Quality Plan.pdf (ahu.edu.jo))
This project aligns with both SDG 4 and SDG10 as the topics are aligned with best knowledge while considering sustainability particularly in the domain of clean energy.





1.2. Partners

	Beneficiary		Country	Website
1	Al-Hussein Bin Talal University (AHU) (coordinator)	AHU	Jordan	http://www.ahu.edu.jo
2	Mutah University	MU	Jordan	https://www.mutah.edu.jo/Home.aspx
3	Tafila Technical University	TTU	Jordan	http://www.ttu.edu.jo
4	Philadelphia University	PU	Jordan	http://www.philadelphia.edu.jo/
5	Alisra for Education and Investment	IU	Jordan	https://iu.edu.jo
6	Universita Degli Studi Di Trento	UNITN	Italy	https://www.unitn.it/
7	Instituto De Telecomunicações	IT	Portugal	https://www.it.pt/
8	UCLAN Cyprus Limited	UCLan	Cyprus	https://www.uclancyprus.ac.cy/
9	Universidade de Vigo	UVigo	Spain	https://www.uvigo.gal/es
10	Panepistimio Patron	UPAT	Greece	http://www.upatras.gr

3. Developing a **Multidisciplinary Training Diploma on Art Therapy in Health Education/ Healing " Project** Reference Number: 610134-EPP-1-2019-1-JO-EPPKA2-CBHE-JP

((Erasmus + Programme of the European Union). This international collaboration resulted in the development of the new diploma.



Accreditation of Vocational Training Diploma In Art Therapy from Ministry of Higher Education & Scientific Research





Ministry of Higher Education and Scientific Research approved the accreditation of the Vocationall Diploma in Art

Therapy" program at Isra University, with effect from the start of the academic year 2022/2021.



The project aimed to:

- develop internationally recognised best practice curricula
- Capacity building and training workshops
- Develop new Art Therapy Centre through this collaboration
 Ref: <u>Development of a Multidisciplinary Diploma on Art-Therapy in Health Education</u>
 (Healing) Ciência-UCP | Universidade Católica Portuguesa