



جامعة الإمام عبد الرحمن بن فيصل  
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

SDG 17.2.1

University's Direct  
Involvement in or  
into National or  
Regional Government  
Organizations-SDG  
Policy

2023-2024

## Table of Contents

1.	Introduction .....	3
2.	IAU's Waste Water Analysis Lab .....	4
3.	IAU's Water Desalination and Treatment Unit .....	6
4.	IAU Signed a memorandum with Abbott.....	7
5.	Visit by a Team from Johns Hopkins Aramco Healthcare and Gulf Medical Company to KFHU for device inspection.....	8
6.	IAU Signed for contract renewal of Medical Training Programs with Royal College of Physicians and Surgeons of Canada .....	9
7.	IAU Dental Interns Visit to John Hopkins Aramco Healthcare .....	10
8.	IAU Signed agreement with Advanced Petrochemical Company .....	11
9.	IAU organized a workshop along with General Electric Company for radiological specialists .....	12
10.	IAU Participation in Environmental Committee Meeting at Eastern Chamber for Sustainability .....	13
11.	Visit of the Delegation of the Saline Water Conversion Corporation to IAU.....	14
12.	IAU's The Integrated Environmental Solutions and Consulting Center' .....	15
13.	Water and Wastewater Consultation and Engineering Solutions offered by IAU.....	16
14.	Signed a memorandum of understanding with the Gulf Laboratory Company for Electrical Equipment Inspection.....	17
15.	IAU's Consulting Center for Buildings Energy .....	18
16.	IAU Active Participation in Earth Hour-Global Event to the rationalization of Energy Consumption .....	19
17.	IAU' Research Groups .....	20
18.	IAU Adherence to Saudi Building Code.....	21
19.	IAU Active participation in Environmental Week Exhibition .....	22



## 1. Introduction

Imam Abdulrahman Bin Faisal University (IAU) has direct involvement into national, government, or regional non-government organizations for executing SDG related activities.

It works along national, government, or regional non-government organizations to identify problems and challenges, develop policies, strategies, and interventions, and achieving SDGs effectively.

Find below some of our services at IAU.

## 2. IAU's Waste Water Analysis Lab

The IAU Environmental Engineering Laboratory is a teaching & research facility that affords students pro-active prospects to explore for all kinds of fields comprising of **water treatment, solid waste, wastewater treatment, and air-pollution control**. The IAU comprises of nine laboratories with necessary sufficient space, instrumentation, and other dedicated devices for laboratory courses offered in the undergraduate program: water chemistry, environmental microbiology, physical and chemical processes, and microbiological processes, in addition to the usual analytical equipment and other pilot-scale treatment modules.

### Wastewater/Organic Analysis Lab

#### *Equipment/Service*

- Gas chromatography coupled with mass spectrometry (GC-MS)
- Ion chromatography
- High-performance liquid chromatography (HPLC)
- Radioactivity Meter
- Solid phase extraction system
- Furnace
- Rotary evaporator
- Automatic titration unit

<https://www.iau.edu.sa/en/colleges/college-of-engineering/labs-and-equipment/environmental-engineering-laboratories>

### **Laboratory Analysis and Environmental Services offered by IAU**

[https://www.iau.edu.sa/sites/default/files/resources/price\\_list\\_for\\_env\\_analyses\\_-\\_2017.pdf](https://www.iau.edu.sa/sites/default/files/resources/price_list_for_env_analyses_-_2017.pdf)

## Wastewater/Organic Analysis Lab

### Supervisors

**Dr. Ismail Anil**

**Email:** ianil@iau.edu.sa

**Location:** College of Engineering, A13 Building

### Equipment/Service

- Gas chromatography coupled with mass spectrometry (GC-MS)
- Ion chromatography
- High-performance liquid chromatography (HPLC)
- Radioactivity Meter
- Solid phase extraction system
- Furnace
- Rotary evaporator
- Automatic titration unit

Laboratory Analysis & Environmental Services Price List

### Wastewater / Organic Analysis Lab at IAU

<https://www.iau.edu.sa/en/colleges/college-of-engineering/labs-and-equipment/environmental-engineering-laboratories>

### 3. IAU's Water Desalination and Treatment Unit

#### Water Desalination and Treatment Unit

The problem of supplying the population with freshwater is one of the significant issues facing Saudi Arabia, as mentioned in Vision 2030, which includes preserving natural resources by reducing water consumption and reuse it. Various trials occurred to produce freshwater from saline water; this is termed the desalination of water. **The unit aims to treat water and find desalination methods using biodegradable and non-consumer energy polymeric materials.**



The screenshot shows the website for the Water Desalination and Treatment Unit at Imam Abdulrahman Bin Faisal University. The page features a dark blue header with navigation links such as E-SERVICES, EMAIL, STUDENTS, HUMAN RESOURCES, ALUMNI, LIBRARY, ADMISSION, NEWS, EVENTS, JOBS, DIRECTORY, and CONTACT. Below the header is the university's logo and name in Arabic and English. A search bar is located on the right side of the header. The main navigation menu includes links for About Us, Study with Us, Colleges, Research, Community Service, Campuses, Sustainability, Administration, University Hospitals, and Open Data. The breadcrumb trail indicates the current page is: Home / Administration / Centers / Basic and Applied Scientific Research Center / Specific Units / Water Desalination and Treatment Unit. The sidebar on the left lists various units under the Basic and Applied Scientific Research Center, including Biotechnology Unit, Catalysis Unit, Ecology and Environmental Biology Unit, and Mathematical Studies of Real-Life Problems Unit. The main content area is titled "Water Desalination and Treatment Unit" and contains the following text:

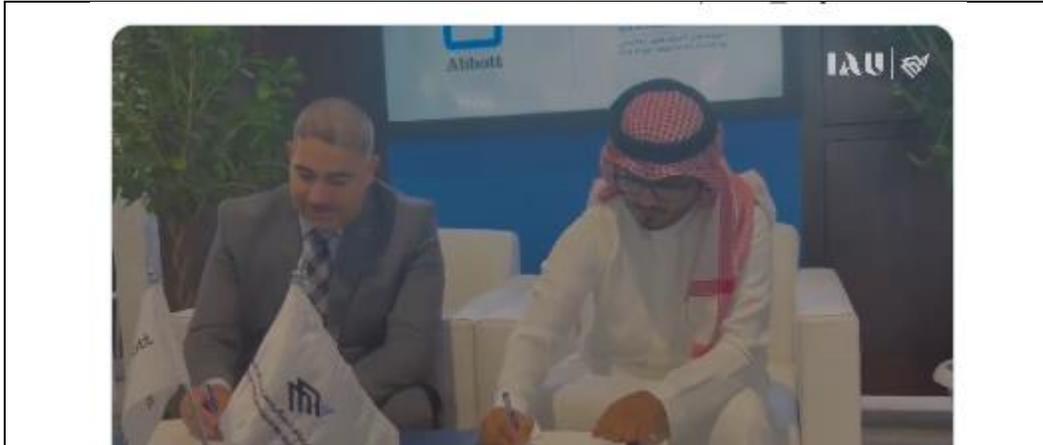
The problem of supplying the population with freshwater is one of the significant issues facing Saudi Arabia, as mentioned in Vision 2030, which includes preserving natural resources by reducing water consumption and reuse it. Various trials occurred to produce freshwater from saline water; this is termed the desalination of water. The unit aims to treat water and find desalination methods using biodegradable and non-consumer energy polymeric materials. Since the polymeric materials are matrices, they act as scavengers of the cations and the anions dissolved in water. Also, the use of the synthesized copolymers as heavy metal adsorbents will be checked for the water product treatment. The polymeric materials are manufactured to display disinfection efficiency to keep the freshwater free from any bacterial growth during and after the desalination process. Exhibiting disinfection efficiency, the synthesized copolymers, as an incoming goal, will be used in the RO dialysate membrane. Moreover, the regeneration of the metal ion from the polymeric matrix and its reduction to the zero state is also our goal challenge. The planning goal of our unit is its use of the synthesized polymeric materials in the agriculture of sand soil as hydrogels.

**Water Desalination and Treatment Unit**

The problem of supplying the population with freshwater is one of the significant issues facing Saudi Arabia, as mentioned in Vision 2030, which includes preserving natural resources by reducing water consumption and reuse it. Various trials occurred to produce freshwater from saline water; this is termed the desalination of water. The unit aims to treat water and find desalination methods using biodegradable and non-consumer energy polymeric materials.

<https://www.iau.edu.sa/en/administration/centers/basic-and-applied-scientific-research-center/specific-units/water-desalination-and-treatment-unit>

#### 4. IAU Signed a memorandum with Abbott



##### **IAU signed a memorandum of understanding with Abbott in the field of laboratories in the Middle East and North East Africa**

The General Manager of King\_Fahd\_University\_Hospital in Al-Khobar, affiliated with Imam\_Abdulrahman\_Faisal\_University Prof. Dr. Mohammed Al-Shahrani, signed a memorandum of understanding with the regional director of the global company (Abbott) in the field of laboratories in the Middle East and North East Africa, Mr. Islam Jaber, on the sides of the Saudi Health Exhibition.

[https://twitter.com/IAU\\_KFHU/status/1719378826969383093](https://twitter.com/IAU_KFHU/status/1719378826969383093)

## 5. Visit by a Team from Johns Hopkins Aramco Healthcare and Gulf Medical Company to KFHU for device inspection



### **Visit by a team from Johns Hopkins Aramco Healthcare and Gulf Medical Company Limited to King Fahd University Hospital, IAU**

Part of a visit by a team from Johns Hopkins Aramco Healthcare and Gulf Medical Company Limited to #KingFahd\_University\_Hospital; to inspect the latest fragmentation devices in the hospital's urology department.

[https://twitter.com/IAU\\_KFHU/status/1697115006611886499](https://twitter.com/IAU_KFHU/status/1697115006611886499)

## 6. IAU Signed for contract renewal of Medical Training Programs with Royal College of Physicians and Surgeons of Canada



**تجديد اتفاقية**

بين جامعة الإمام عبد الرحمن بن فيصل والكلية الملكية للأطباء والجراحين بكندا لاعتماد برامج الزمالة الطبية بكلية الطب

**Signing ceremony for renewal**

Signing ceremony for renewal of contract for medical residency training programs between Imam Abdulrahman bin Faisal University and the Royal College of Physicians and Surgeons of Canada

IAU\_KSA

جامعة الإمام عبد الرحمن بن فيصل  
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

**Signing ceremony for renewal of contract for medical residency training programs between IAU and Royal College**

Signing ceremony for renewal of contract for medical residency training programs between Imam Abdulrahman bin Faisal University (#IAU) and the Royal College of Physicians and Surgeons of Canada @Royal\_College

[https://x.com/IAU\\_KSA/status/1757462014941684195](https://x.com/IAU_KSA/status/1757462014941684195)

## 7. IAU Dental Interns Visit to John Hopkins Aramco Healthcare



### Visit of internships at the College of Dentistry, IAU to Johns Hopkins Aramco Healthcare

Visit of internships at the faculty #dentistry To Johns Hopkins Aramco Healthcare to introduce the graduate programs and training courses offered by #Imam\_Abdulrahman\_Bin\_Faisal\_University

Many thanks and appreciation to the resident doctors

Dr. Turkish Al-Shahri

Dr. Wajdan Al-Mutairi

For their efforts

<https://x.com/IAUdent/status/1672259427435462656>

## 8. IAU Signed agreement with Advanced Petrochemical Company



### IAU Signed agreement with Advanced Petrochemical Company

With the blessing of His Royal Highness the Prince Saud bin Nayef bin Abdulaziz Al Saud #Emir\_of\_the\_Eastern\_Region #Imam\_Abdul\_Rahman\_Bin\_Faisal\_University and Advanced Petrochemical Company @Advanced\_Petro signed a cooperation agreement; With the aim of establishing community partnership between the university and industrial sectors and creating a unit equipped for high-precision simulation in intensive care at the @IAU\_CAMSJ College to raise the efficiency of clinical education and training. And scientific research.

[https://x.com/IAU\\_KSA/status/1711777691483910353](https://x.com/IAU_KSA/status/1711777691483910353)

9. IAU organized a workshop along with General Electric Company for radiological specialists

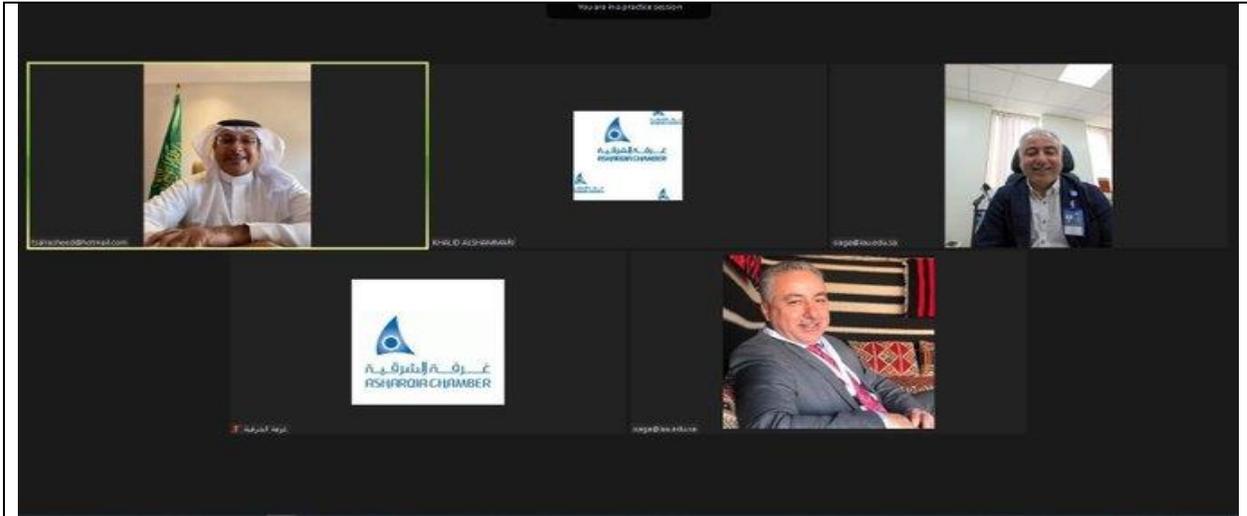


**Workshop by IAU along with General Electric Company for Faculty of Radiology Department**

The Radiology Department at #King\_Fahd\_University\_Hospital in #Al-Khobar affiliated to #Imam\_Abdulrahman\_bin\_Faisal\_University held a specialized workshop attended by specialists from doctors, radiologists and ultrasound technicians, with the participation of General Electric Company.

[https://twitter.com/IAU\\_KFHU/status/1605507848909234176](https://twitter.com/IAU_KFHU/status/1605507848909234176)

## 10. IAU Participation in Environmental Committee Meeting at Eastern Chamber for Sustainability



**غرفة الشرقية**  
ASHARQIA CHAMBER  
للمتعة الاقتصادية مستدامة

**دعوة لقطاع الأعمال للمشاركة في لقاء يستعرض .. الفرص المستدامة وإيجاد الحلول للمشاكل البيئية للصناعات بالمنطقة الشرقية**

**إدارة اللقاء:**  
أ. طلال الرشيد  
رئيس لجنة البيئة  
غرفة الشرقية

**المتحدث:**  
أ. د. عمر آغا  
وكيل كلية الهندسة للدراسات  
والشراكة المجتمعية بجامعة الإمام  
عبد الرحمن بن فيصل

للحضور والمشاركة عبر منصة ZOOM

لمزيد من المعلومات

الثلاثاء 26 سبتمبر الساعة 10 صباحاً

0138598218 | kasharqia@Chamber.org.sa

الرعاة الرئيسيون لإعلانات الغرفة

صلة | مجموعة أوم السعدي | OUM AL-SAUDI GROUP | أ. د. عبد الله | A. D. ABDULLAH | OIPMS | Industrial Project Management Solutions | مجموعة الرشيد | Al-Rushaid Group

### IAU Participation in the Meeting Organized by Environmental Committee at Eastern Chamber for Sustainability

The College of Engineering, IAU had participated in a meeting organized by the Environmental Committee at Eastern Chamber on Sustainable Opportunities and Solutions to Environmental Problems for Industries in the Eastern Province.

<https://twitter.com/AsharqiaChamber/status/1706659305737638113>

<https://twitter.com/AsharqiaChamber/status/1704861814368932103>

## 11. Visit of the Delegation of the Saline Water Conversion Corporation to IAU



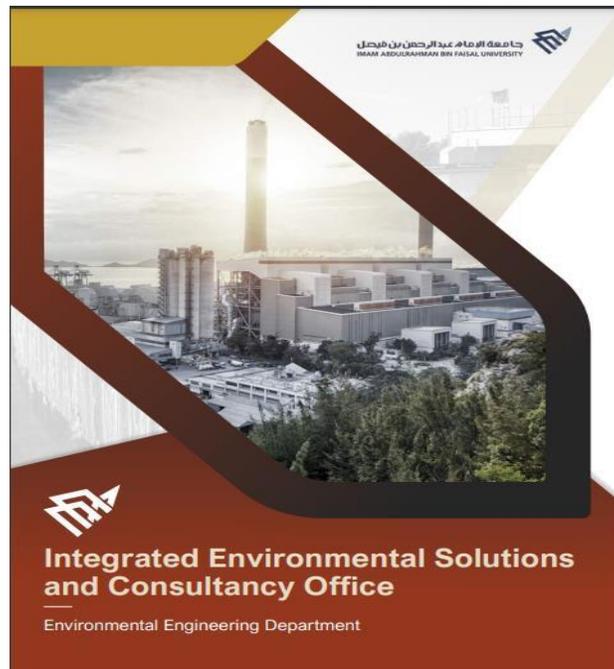
### Visit of the Delegation of the Saline Water Conversion Corporation to IAU

Part of the visit of the delegation of the Saline Water Conversion Corporation to Imam Abdulrahman Bin Faisal University, which included a tour of: 1) Research Center, Faculty of Science, 2) Faculty of Computer Science and Information Technology, 3) Faculty of Engineering

[https://twitter.com/IAU\\_KSA/status/1604581022351368192](https://twitter.com/IAU_KSA/status/1604581022351368192)

## 12. IAU's The Integrated Environmental Solutions and Consulting Center'

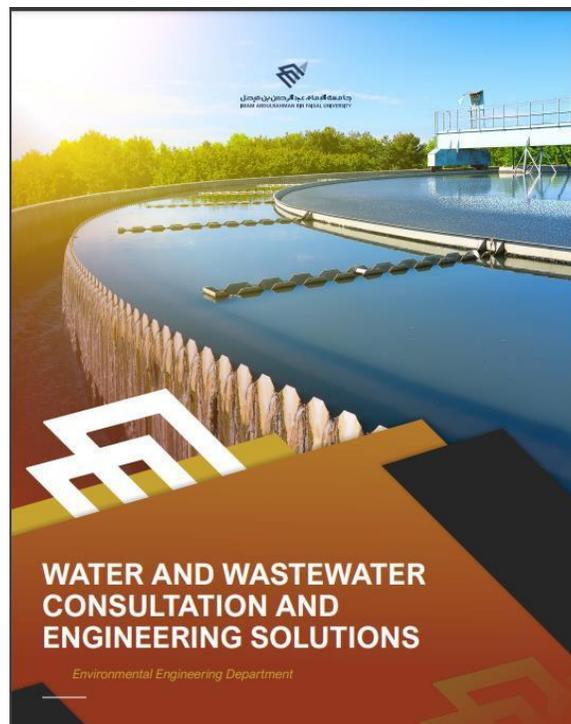
The given PDF file (refer to the Page no. 2 and 3) explains how IAU supports water conservation off campus.



[https://www.iau.edu.sa/sites/default/files/resources/general\\_introduction-compressed.pdf](https://www.iau.edu.sa/sites/default/files/resources/general_introduction-compressed.pdf)

### 13. Water and Wastewater Consultation and Engineering Solutions offered by IAU

The given PDF link (refer to Page no. 2) shows the existence of the water/wastewater team in the IAU consultation office specializes in providing solutions for the industry's water treatment challenges. It provides consulting services for both water and wastewater treatment plants. It also offers short courses related to water and wastewater treatment.



[https://www.iau.edu.sa/sites/default/files/resources/water\\_and\\_wastewater.pdf](https://www.iau.edu.sa/sites/default/files/resources/water_and_wastewater.pdf)

## 14. Signed a memorandum of understanding with the Gulf Laboratory Company for Electrical Equipment Inspection.

His Excellency the President of IAU Prof. Dr. Abdullah Al-Rubaish, signed a memorandum of understanding with the Gulf Laboratory Company for Electrical Equipment Inspection. The company was represented by CEO Eng. Saleh Al-Omari, in the presence of the Dean of the College of Engineering, Dr. Murad Al-Thubaiti.



3:21 PM - Oct 24, 2022

[https://twitter.com/IAU\\_KSA/status/1584520569055490048](https://twitter.com/IAU_KSA/status/1584520569055490048)



## 15. IAU's Consulting Center for Buildings Energy

The given webpage link (refer to About section and Scope of work section) describes about the “**consulting center for buildings energy**”, a body accredited by IAU Institute of Consulting Studies to deliver training and consulting services in field of engineering related rationalization of energy consumption. Its scope of work includes training, education and workshops in the areas of sustainability, green buildings and energy conservation. It also includes energy efficiency studies and audits of existing buildings; consultations about the efficiency of air conditioning systems; and consultations about the solar energy.

The screenshot shows the website interface for the Consulting Center for Buildings Energy at Imam Abdulrahman Bin Faisal University. The top navigation bar includes links for E-SERVICES, EMAIL, STUDENTS, HUMAN RESOURCES, ALUMNI, LIBRARY, ADMISSION, NEWS, EVENTS, JOBS, DIRECTORY, and CONTACT. The main header features the university's name in Arabic and English, along with a search bar. Below the header is a secondary navigation menu with categories like About Us, Study with Us, Colleges, Research, Community Service, Campuses, Administration, and University Hospitals. The breadcrumb trail indicates the path: Home / Administration / Centers / Institute of Consulting Studies / Services / Experience Houses / Consulting Center for Buildings Energy. The sidebar on the left lists various sections: About, Dean's Message, Organizational Structure, Services, Experience Houses, Publications, Gallery, Our Partners, and Contact Us. The main content area is titled 'Consulting Center for Buildings Energy' and contains an 'About' section with the following text:

**About**

It is a body accredited by IAU Institute of Consulting Studies to deliver training and consulting services in field of engineering related rationalization of energy consumption.

**Vision**

Toward a specialized hub for consulting services and training in field of buildings energy.

**Mission**

High quality services of innovative methods for achieving development socially, economically, and environmentally.

**Objectives**

- To invest the capabilities available at the university in terms of laboratories, simulation software.

<https://www.iau.edu.sa/en/administration/centers/institute-of-consulting-studies/services/experience-houses/consulting-center-for-buildings-energy>

## 16. IAU Active Participation in Earth Hour-Global Event to the rationalization of Energy Consumption



تشارك جامعة الإمام عبدالرحمن بن فيصل  
 في الحدث البيئي العالمي السنوي  
**Earth Hour | ساعة الأرض**

Sat, Mar 25, 2023  
 8:30 PM - 9:30 PM

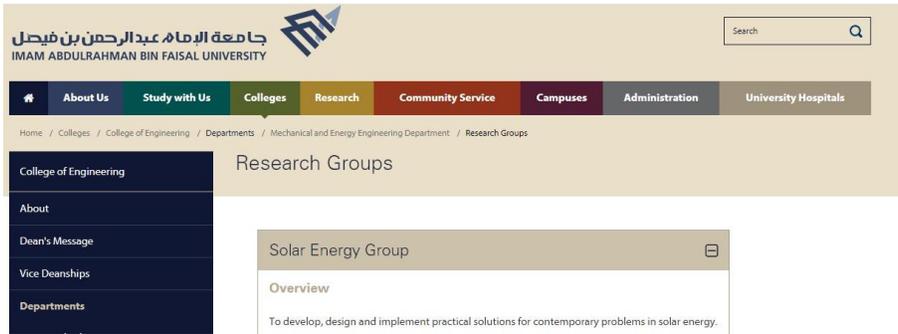
**“Earth Hour” – Global Environmental Event followed by IAU**

IAU followed the global environmental event “Earth Hour”. For this event, all unnecessary lights and appliances will be turned off for 60 minutes on 25 March 2023 (8.30-9.30 PM) for the sake of the Earth

[https://twitter.com/IAU\\_KSA/status/1639624859494805504](https://twitter.com/IAU_KSA/status/1639624859494805504)

## 17. IAU' Research Groups

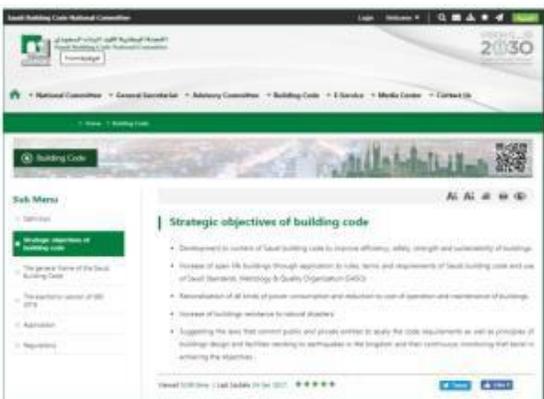
The given webpage link (refer to research groups section) shows the presence of the research groups in the College of Engineering of IAU. The research groups include solar energy group, wind energy group, and air conditioning and energy storage group. These research groups aim to develop, design, and implement practical solutions for contemporary problems in solar energy, wind energy, and air conditioning and energy storage. The objectives of these groups encompass conducting market-relevant commercial research, supervising students, cooperating with research, and publishing high-quality papers.



The screenshot displays the website interface for Imam Abdulrahman Bin Faisal University. At the top, the university's name is written in Arabic and English, accompanied by its logo. A search bar is located in the top right corner. Below the header is a navigation menu with categories: About Us, Study with Us, Colleges, Research, Community Service, Campuses, Administration, and University Hospitals. The 'Research' category is highlighted. The breadcrumb trail indicates the path: Home / Colleges / College of Engineering / Departments / Mechanical and Energy Engineering Department / Research Groups. A sidebar on the left lists 'College of Engineering' and its sub-sections: About, Dean's Message, Vice Deanships, and Departments. The main content area is titled 'Research Groups' and features a section for the 'Solar Energy Group'. This section includes an 'Overview' sub-section with the text: 'To develop, design and implement practical solutions for contemporary problems in solar energy.'

<https://www.iau.edu.sa/en/colleges/college-of-engineering/departments/mechanical-and-energy-engineering-department/research-groups>

## 18. IAU Adherence to Saudi Building Code

	
<p>(Precast Concrete insulated panels and Curtain wall) Administration Building- IAU</p>	<p><b>IAU implement and abide by Saudi Building Code in its all Construction and Electricity plan</b></p>

[https://www.iau.edu.sa/sites/default/files/resources/energy\\_efficient\\_building.pdf](https://www.iau.edu.sa/sites/default/files/resources/energy_efficient_building.pdf)

## 19. IAU Active participation in Environmental Week Exhibition



#بيئتك تعرفك  
تعرفك بكل سلوك تقوم به

جامعة الإمام عبد الرحمن بن فيصل  
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY  
كلية الهندسة | College of Engineering 1

تدعوكم شعبة النادي البيئي بكلية الهندسة بجامعة الإمام عبد الرحمن بن فيصل لحضور معرض أسبوع البيئة تحت شعار #بيئتك تعرفك

يتضمن المعرض محاضرة مقدمة من  
الدكتور طلال الرشيدى (رئيس جمعية أصدقاء البيئة)

يوم الإثنين الموافق 20 March  
Am وقت المعرض: 10:00-12:00  
الموقع: كلية الهندسة مبنى A13  
Am وقت المحاضرة: 10:00-11:00  
قاعة الخوارزمي - A13 الموقع: كلية الهندسة مبنى

Enva\_mewa

مبادرة التوعية البيئية 2023  
بيئتك تعرفك

### IAU invitation for Environmental Week Exhibition

The College of Engineering, IAU invited public and students to attend Environment Week Exhibition under the slogan “Your Environment Knows You”

[https://twitter.com/CE\\_IUA\\_SA/status/1637697377539612674](https://twitter.com/CE_IUA_SA/status/1637697377539612674)



**Environmental Week Exhibition by IAU**

Part of the attendance of the Environment Week Exhibition held in the College of Engineering, IAU under the slogan “Your Environment Knows You”

[https://twitter.com/CE\\_IAU\\_SA/status/1637777150844469248](https://twitter.com/CE_IAU_SA/status/1637777150844469248)



SDG 17.2.1

University Direct Involvement



جامعة الإمام عبد الرحمن بن فيصل  
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

