



THE Impact Ranking SDG13 Report

SDG

13

Climate
Action





SDG 13 Climate Action

Climate change is a crisis that will affect every part of society, and every country. Universities need to be at the forefront of action to reduce the impact of climate change, especially amongst the poorest who will be the most affected. Climate issues through research, low carbon use and education are explored.

Climate Action Events

3rd Intra-Africa 2063 International Competition

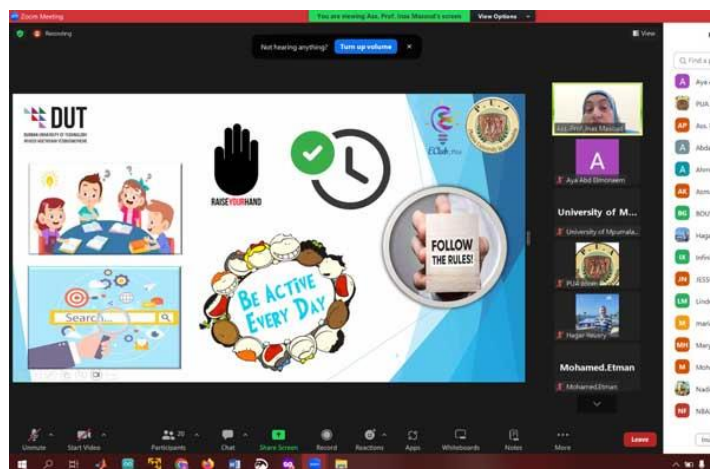
Posted On: August 25, 2024

Over the course of four days, PUA's Entrepreneurship Club, in collaboration with the International Relations Department, organized the third edition of the Intra-Africa 2063 International Competition. This prestigious event featured over 20 speakers and trainers from various local and international sectors, and welcomed more than 40 contestants from 16 universities and educational institutions across several African countries.

The competition included intensive training workshops and discussion sessions, held alongside the main event, which addressed a range of critical topics. These workshops and sessions focused on key areas such as health, technology, climate change, tourism, and sustainable food, aligning with Egypt's Vision 2030 and the African Development Agenda 2063.

Eight teams competed in the event, representing institutions including Pharos University, Durban University of Technology in South Africa, University of Mpumalanga in South Africa, Senghor University in Alexandria, and Nasarawa State University in Nigeria. The contestants showcased their entrepreneurial project ideas across various tracks to a panel of experts and academics.

The competition concluded with the team from the University of Mpumalanga securing first place. The second place was awarded to the team from Pawailities, representing PUA's Faculty of Engineering, while the third place went to Titan Team from PUA's Faculty of Computer Science and Artificial Intelligence.



URL: <https://www.pua.edu.eg/3rd-intra-africa-2063-international-competition/>



Curriculum Development in the Era of Sustainable Dentistry Posted On: May 13, 2024

Within the scope of the Green Pharos: An Environmentally Friendly University Initiative, PUA's Faculty of Dentistry organized workshops for faculty members and teaching assistants titled "Curriculum Development in the Era of Sustainable Dentistry." Sponsored by Prof. Dr. Mohamed Etman, Acting Vice President for Community Service and Environmental Development Affairs, these workshops sought to enhance awareness among faculty members about sustainability in dentistry.

The workshops delved into the concept of sustainability and its relevance to dentistry, elucidated the impact of environmental changes on oral and dental health, and underscored the influence of dental clinics on the environment. Furthermore, they introduced environmentally friendly practices in dental clinics, highlighted the latest technologies and products for sustainable dentistry, and emphasized providing exceptional care with a positive environmental impact.

Additionally, the workshops featured orientation and brainstorming sessions where participants classified sustainability goals, examined the causes of environmental footprints, and explored the direct and indirect effects of climate change on oral health. Subsequently, faculty members devised proposals for course development, integrating sustainability goals into educational curricula.



URL: <https://www.pua.edu.eg/curriculum-development-in-the-era-of-sustainable-dentistry/>



Education Sustainability and Environmental Consciousness Workshop

Posted On: May 8, 2024

Under the esteemed patronage of Prof. Dr. Mohamed Etman, Vice President for Community Service and Development Affairs, and Prof. Dr. Osama Madani, Dean of the Faculty of Languages and Translation, Dr. Al-Sayed Hassouna from the Spanish Language Department led a seminar and workshop focusing on education sustainability and environmental consciousness as part of the Pharos Green Initiative.

The seminar aimed to raise awareness about sustainability in education and promote the green initiatives undertaken by Pharos University. Dr. Hassouna elaborated on the comprehensive approach and prerequisites of sustainable development, emphasizing the imperative of meeting present needs without compromising the ability of future generations to meet their own requirements.

Furthermore, the seminar featured visual representations of global challenges, encompassing issues such as poverty, inequality, climate change, environmental degradation, prosperity, peace, and justice. Dr. Hassouna outlined seventeen goals aimed at addressing these challenges, aligning with the United Nations' framework, with a particular emphasis on the fourth goal—quality education as a means to achieve sustainable development. He commended the pivotal role played by government officials and personnel across various sectors in implementing this methodology.

In the workshop's culmination, participants deliberated on existing challenges and obstacles, identifying corrective measures necessary to realize all sustainable development goals by 2030.



URL: <https://www.pua.edu.eg/education-sustainability-and-environmental-consciousness-workshop/>



Celebrating Earth Day Posted On: May 8, 2024

The Green Pharos Committee commemorated Earth Day on April 22, 2024, through a series of events designed to raise awareness about environmental conservation. These activities encompassed various initiatives, including a one-hour lights-off campaign across all buildings, aimed at conserving energy and fostering an understanding of sustainable energy consumption practices.

Additionally, a workshop was conducted to educate students about the significance of Earth Day and methods for safeguarding the environment. Led by Mr. Abdullah Mohammed, the workshop addressed pertinent environmental concerns such as climate change and pollution, offering students practical advice on contributing to environmental preservation efforts. Moreover, the committee showcased informational posters on the Faculty's advertising screen on the fifth floor, highlighting the significance of Earth Day and emphasizing the importance of environmental protection. These endeavors aimed to enhance awareness of environmental issues among students and inspire proactive measures to safeguard our planet.



URL: <https://www.pua.edu.eg/celebrating-earth-day/>



Training Sessions to Medical Students Posted On: April 22, 2024

PUA's Field Training Center cordially invites PUA's medical faculties, namely; the Faculties of Pharmacy, Dentistry, Applied Health Sciences Technology, and Physical Therapy to attend a series of training and educational lectures hosted by Haleon Health Partners, UK's international healthcare company. These lectures are dedicated to exploring the impact of climate change on respiratory health. Scheduled across three sessions, April 22, May 7, and May 8. Further, attendees will receive a certificate of attendance from the Royal College of Physicians in London.



As our climate continues to impact the air we breathe... are your patients prepared?

Dear Dr,

Unpredictable weather and worsening air quality are impacting the respiratory health of patients globally.¹ **Coughs, colds, and asthma exacerbations are more common and more severe.**¹ Together, we can help your patients navigate this new climate.

Join Haleon and leading experts for this live seminar as they explore how climate change is impacting respiratory health.

Together we can protect and support patients.

#Care4EveryBreath

Expected CPD Credits by Royal Colleges of Physicians of the UK
*upon completion of the full Program

22 April 7pm
Followed by 2 webinars
7th & 8th May
Join online

Register now to secure your spot

Register here

Experts will present the latest data highlighting the implications of severe weather events and rising temperatures for respiratory conditions such as colds, flu, asthma and allergies, and discuss the pivotal role pharmacists can play in tackling these challenges.

Key speakers:

Prof Nirmeen Sabry – Professor of Clinical Pharmacy,
Cairo University, Egypt

Prof Ron Eccles – Emeritus Professor,
School of Biosciences, Cardiff University, UK

Yasser Abdelmonem – Head of Expert,
North Africa Haleon

We look forward to seeing you there.

Yours sincerely,
Haleon
For Health. With Humanity.

Brought to you by:

OfriNatural **Ofrivin** **Parasol** **Parasol**

HALEON | healthpartner

Follow us:    

NP-EG-OTRI-24-00003. March2024. mystory.eg@haleon.com. For HCPs only. Always read the label before use.

URL: <https://www.pua.edu.eg/training-sessions-to-medical-students/>



Celebrating the World Tourism Day Posted On: October 19, 2025

In line with its commitment to linking academic education with community service, PUA's Faculty of Tourism and Hotel Management celebrated World Tourism Day, which falls on September 27 annually, under the World Tourism Organization's theme for this year: "Tourism and Sustainable Transformation."

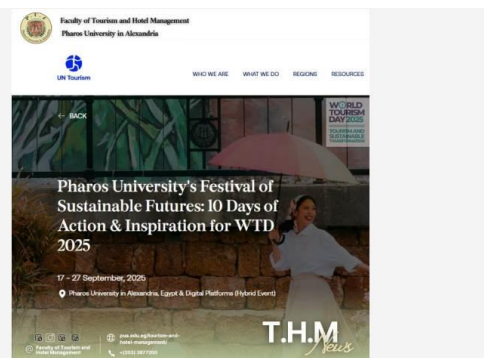
The events embodied the faculty's vision to support sustainable tourism concepts as an integrated approach that balances people, planet, and prosperity. The program included a range of integrated activities:

- A short video titled "Tourism and Sustainable Transformation" was screened on the faculty's official displays and digital platforms.
- Interactive activities were organized, bringing together students, faculty members, and the local community.

The celebration aimed to emphasize tourism's vital role in economic and social development and job creation. It also called for adopting responsible practices that prioritize protection of natural resources, preservation of cultural heritage, and addressing environmental challenges like climate change.

Thus, the celebration served as a platform to enhance students' awareness of the importance of integrating sustainability concepts into the tourism sector, embodying PUA's mission to prepare graduates capable of leading the transformation towards a more conscious and responsible future.

The faculty expressed pride in having its World Tourism Day events featured on the official website of the United Nations Tourism Organization (UN Tourism). This recognition honors its efforts to integrate green principles into the educational process and affirms its commitment to preparing professionals who support the future of eco-friendly tourism and the achievement of 2030 Green Friendship goals.



<https://www.pua.edu.eg/celebrating-the-world-tourism-day/>



PUA Celebrates World Tourism Day 2025

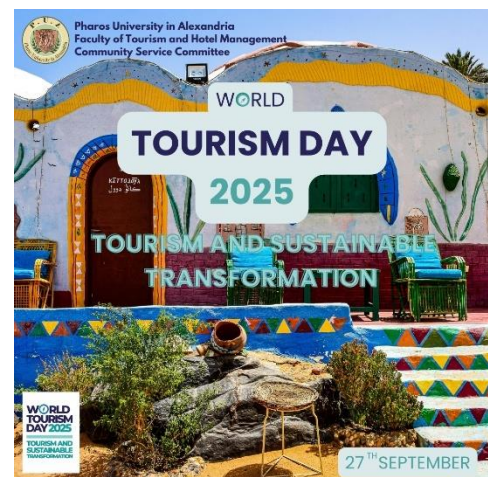
Posted On: September 18, 2025

In a move that reflects its commitment to a more sustainable tourism sector, PUA's Faculty of Tourism and Hotel Management has launched "The Sustainable Future Festival." The event celebrates World Tourism Day 2025, held this year under the theme "Tourism and Sustainable Transformation." The festival aims to turn the sustainability slogan into a tangible reality through a unique educational and creative experience.

The festival's diverse activities include:

- From Awareness to Action: A short film produced by the students will be screened, highlighting the importance of balancing the enjoyment of our planet's beauty with its preservation for future generations.
- Idea Incubator: Launching a "Sustainable Tourism Projects" competition for the faculty's students to select the most innovative and feasible ideas that serve the local community and contribute to achieving Sustainable Development Goals, such as decent work, responsible consumption, and climate action.
- Knowledge for Change: A specialized workshop led by local and international experts will be held for faculty members and students to provide them with the latest strategies and practices in sustainable development.
- Celebrating Local Heritage: Highlighting local artisans and heritage projects in Alexandria to emphasize the role of tourism in supporting cultural identity and economically empowering communities.

This festival confirms that PUA goes beyond mere celebration; it is committed to preparing a new generation of tourism and hospitality leaders who possess the awareness and ability to create positive change, balancing profitability with purpose and the pleasure of tourism with the preservation of our planet.



<https://www.pua.edu.eg/pua-celebrates-world-tourism-day-2025/>



Challenges of Innovation in Business and Economic Sustainability

Posted On: May 31, 2025

PUA's Faculty of Financial and Administrative Sciences launched its 9th International Conference, titled: "Challenges of Innovation in Business and Economic Sustainability," as part of its second environmental campaign, "Green Pharos."

The conference featured in-depth discussion sessions on the role of sports, contracting, and governance in supporting sustainable development. These sessions explored mechanisms for enhancing transparency, supporting the green economy, and stimulating community participation to achieve sustainability goals, in addition to important recommendations for fostering integration among these sectors, highlighting PUA's comprehensive vision for sustainability.

International guests participated via video conference with interventions on climate change, natural resource management, and the circular economy, which added a global dimension to the conference and contributed to knowledge exchange. This event reflects

the faculty's steadfast commitment to supporting sustainable development and fostering a culture of environmental innovation and responsible entrepreneurship.



<https://www.pua.edu.eg/challenges-of-innovation-in-business-and-economic-sustainability/>



Artificial Intelligence and Sustainability: The Green Future Posted On: May 21, 2025

As part of its commitment to promoting environmental awareness and enhancing the use of technology in supporting sustainable development goals, PUA's Faculty of Computer Science and Artificial Intelligence organized a seminar titled "Artificial Intelligence and Sustainability: The Green Future," within the activities of PUA's 2nd environmental campaign organized under the slogan "Green Pharos."

The seminar discussed the role of artificial intelligence technologies in supporting smart environmental solutions, achieving efficient resource use, and providing innovations that help address climate change challenges and environmental pollution.

The event featured presentations and practical examples of student research projects aimed at employing artificial intelligence in the fields of clean energy, water, and air quality monitoring, reflecting students' awareness of their role as innovators responsible for a more sustainable future.

This event comes within the framework of the "Green Pharos" campaign, launched by the university to enhance environmental awareness inside and outside the campus, and to encourage student initiatives that serve sustainable development goals, in line with Egypt's Vision 2030.



<https://www.pua.edu.eg/artificial-intelligence-and-sustainability-the-green-future/>



A Lecture on Wastewater Management Posted On: March 18, 2025

As part of the second phase of the “Green Pharos” campaign, and based on the Alexandria Wastewater Company’s strategies to adapt to climate change and reduce carbon emissions, and in line with the campaign’s objectives, Dr. Iman Ahmed Gohar, General Manager of Research and Development at the Wastewater Company, delivered a distinguished lecture. The lecture addressed the company’s strategy for addressing climate change and reducing carbon emissions, as part of its ongoing efforts to adopt the concept of sustainable green thinking.

During the lecture, Dr. Iman explained the importance of green thinking as a key tool for achieving sustainable development, with a focus on developing innovative solutions that contribute to preserving the environment and reducing the negative impacts resulting from wastewater treatment processes. She also emphasized the importance of integrating scientific research into the development of wastewater systems, while leveraging student projects and master’s and doctoral research, which are a fundamental pillar in providing scientific solutions to address environmental challenges. Dr. Iman reviewed the strategies adopted to achieve optimal use of treatment products, which enhances the company’s role in preserving the environment and reducing the negative impacts on natural resources. She also emphasized the role of sustainable innovation in combining scientific knowledge with modern technology, contributing to achieving a balance between environmental and urban development. This effort comes within the framework of the national “Green Pharos” campaign, which aims to spread the culture of green thinking and provide sustainable solutions across various sectors, enhancing society’s ability to adapt to contemporary environmental challenges and contributing to protecting planet Earth for future generations.



<https://www.pua.edu.eg/a-lecture-on-wastewater-management/>



Green Thinking and Sustainable Development Strategy Seminar

Posted On: March 16, 2025

Reflecting its commitment to promoting environmental awareness, PUA hosted Dr. Sameh Riad, Undersecretary of the Ministry of Environment for Alexandria and the West Delta Region, for a distinguished seminar titled “Green Thinking and Sustainable Development Strategy.” The event began with an opening speech by Dr. Mohamed Etman, Vice President for Community Service and Environmental Development Affairs, who introduced the concept of “Green Pharos” and highlighted the university’s efforts to integrate sustainable development practices into all aspects of campus life.

Dr. Riad opened the symposium by presenting a short film that traced human evolution from ancient times to the advanced industrial era, illustrating how this progress has led to increased environmental pollution and waste. He shared statistics on diseases that emerged in Japan following the use of the atomic bomb, linking them to industrial pollution. He also discussed the phenomenon of the “Eighth Continent”—oceans filled with non-biodegradable plastic—which poses a severe threat to marine ecosystems and living organisms.

Dr. Riad further addressed the negative effects of climate change, exploring its primary causes and impacts on the planet. He reviewed the United Nations Sustainable Development Goals (UNSDGs), emphasizing their role in ensuring the continuity of life for future generations. The seminar concluded with a discussion on innovative recycling solutions and how waste can be transformed into economic opportunities through sustainable entrepreneurship projects. The event saw enthusiastic participation from students and faculty members, who expressed their appreciation for the enriching discussions. Many students noted that the seminar expanded their understanding of environmental and sustainable development issues, highlighting the relevance of these topics to their daily lives. They also expressed a strong desire for more such events in the future, recognizing their role in raising environmental awareness and inspiring innovative solutions to global challenges.

Held under the patronage of Dr. Mohamed Etman, the seminar left a lasting positive impression on participants. Attendees called for the continuation of such initiatives to foster a sense of responsibility towards the environment and society.



<https://www.pua.edu.eg/green-thinking-and-sustainable-development-strategy-seminar/>

Medicinal Plants and Sustainability

Posted On: December 26, 2024

PUA's Faculty of Pharmacy demonstrates its commitment to raising awareness about the United Nations' Sustainable Development Goals (SDGs). In this context, senior students conducted a research activity titled "Medicinal Plants and Sustainability," highlighting the role of medicinal plants in achieving these goals:

1. Goal Two: Zero Hunger – end hunger and achieve food security utilizing plants with high nutritional value to improve nutrition and treat deficiencies.
2. Goal Three: Good Health and Well-Being – Using medicinal plant extracts to promote health and support natural treatments.
3. Goal Four: Quality Education – Providing high-quality education at the faculty, enriching knowledge on medicinal plants and their sustainable applications.
4. Goal Five: Gender Equality – Showcasing opportunities for female pharmacists to lead projects producing natural hair and skincare products, now recognized as popular brands.
5. Goal Six: Clean Water and Sanitation – Demonstrating Moringa seeds' effectiveness in purifying water.
6. Goal Eight: Decent Work and Economic Growth – Highlighting the cultivation of medicinal and aromatic plants as a promising export sector that supports economic growth.
7. Goal Thirteen: Climate Action – Explaining how plants reduce carbon emissions and improve air quality.
8. Goal Fifteen: Life on Land – Preserving biodiversity by classifying plants and protecting them in scientific botanical gardens like Orman Garden.

This research activity underscores the faculty's efforts to enhance students' understanding of medicinal plants' crucial role in supporting sustainable development, while fostering practical applications of environmental and pharmaceutical education.





A Field Visit to Mazhar Botanical Garden Posted On: December 14, 2024

As part of the EA553 – Landscaping course, PUA's Architectural Engineering Department organized a field visit to Mazhar Botanical Garden in Giza for senior students (9th Semester). The visit, supervised by the course instructor Prof. Dr. Reham Ragheb, was accompanied by teaching assistants namely, Eng. Mohamed Shaaban, Eng. Reham Sherif, Eng. Israa Abdel Monsef, and Eng. Salma Nagi.

The students were warmly welcomed by Ms. Theresa Labib, a historical gardens consultant, who delivered a detailed lecture on the various types of plants found in the garden. Following the lecture, a guided tour was conducted by Dr. Jacqueline, who elaborated on the garden's layout, plant species, and greenhouses with diverse climates designed to accommodate plants from tropical and cold regions.

The tour featured visits to the orchid greenhouse, the indoor plants greenhouse, and the ferns and bromeliads greenhouse, where students gained hands-on knowledge about plant diversity and the fundamentals of garden design. This experience allowed students to deepen their understanding of plant ecology, climate adaptability, and the practical aspects of designing sustainable green spaces.



<https://www.pua.edu.eg/a-field-visit-to-mazhar-botanical-garden/>

Modern Trends in Sustainable Energy Posted On: December 10, 2024

PUA's Faculty of Engineering inaugurated its 4th international conference under the theme "*Modern Trends in Sustainable Energy*", in collaboration with the Royal Institute of Technology in Sweden (KTH). The conference commenced with opening remarks by Prof. Dr. Mahmoud Mohieldin, PUA's President, who emphasized the critical importance of sustainable energy in addressing today's global environmental and economic challenges. He reiterated PUA's commitment to leveraging science and technology to develop sustainable solutions for the energy sector, which serves as a cornerstone for building a brighter future for generations to come.

Prof. Dr. Mohamed Gaber Abu Ali, Vice President for Graduate Studies and Research, highlighted the multidimensional nature of sustainable energy, describing it as not only a scientific or technical matter but also a humanitarian and social one. He emphasized its essential role in achieving sustainable development and combating climate change, which poses significant threats to the planet.

Further, Prof. Dr. Mahmoud El-Meligy, Dean of the Faculty of Engineering and President of the Conference, expressed the faculty's dedication to fostering collaborations with academic, research, and industrial institutions to produce innovative solutions that align with sustainability goals. He also extended his gratitude to the Board of Trustees, PUA's President, and university leadership for their unwavering support of research initiatives and the Faculty of Engineering.

In his address, Prof. El-Meligy acknowledged the invaluable contributions of the Scientific Committee, Organizing Committee, faculty members, teaching assistants, students, and the Media Committee, who collectively ensured the success of the conference.

<https://www.pua.edu.eg/modern-trends-in-sustainable-energy/>





Courses that Support Climate Action

| No | Faculty in Pharos University | Course name | Course code | SDG of relevance |
|----|------------------------------|---|-------------|---|
| 1 | Arts and Design | Graduation Project Research | GD 581 | SDG 6 - SDG 8 - SDG 11 - SDG 12 - SDG 13 |
| 2 | Arts and Design | Graduation Project | GD 582 | SDG 6 - SDG 8 - SDG 11 - SDG 12 - SDG 13 |
| 3 | Arts and Design | Environmental Studies | DP 432 | SDG 13 |
| 4 | Arts and Design | Design & Interior Environmental Tech. | ID 523 | SDG 11 - SDG 13 |
| 5 | Arts and Design | Graduation Project Research | ID 581 | SDG 7 - SDG 9 - SDG 11 - SDG 13 |
| 6 | Arts and Design | Graduation Project | ID 582 | SDG 7 - SDG 9 - SDG 11 - SDG 13 |
| 7 | Arts and Design | Digital Advertising Design | GD 522 | SDG 3 - SDG 6 - SDG 13 - SDG 14 - SDG 15 |
| 8 | Arts and Design | Landscape | ID 412 | SDG 9 - SDG 11 - SDG 13 |
| 9 | Arts and Design | Landscape Architecture | ID 524 | SDG 9 - SDG 11 - SDG 13 |
| 10 | Arts and Design | Graduation Project | ID582 | SDG 7 - SDG 11 - SDG 13 |
| 11 | Arts and Design | (2) Digital Photography | GD462 | SDG 1 - SDG 3 - SDG 4 - SDG 6 - SDG 11 - SDG 13 |
| 12 | Engineering | Introduction to environmental engineering | EP 389 | SDG13 |
| 13 | Engineering | Pollution control in petrochemical industries | EP 392 | SDG13 |
| 14 | Engineering | Architectural Design Level (3) | EA 311 | SDG 13 and SDG 15 |
| 15 | Engineering | Architectural Design Level (4) | EA 312 | SDG 13 |
| 16 | Engineering | Environmental Studies in Architecture | EA 001 | SDG 7 and SDG13 |
| 17 | Engineering | Harbour and Marine Constructions | ES 402_E | SDG13 |
| 18 | Engineering | Introduction to Electronic Circuits | EE 213 | SDG3, SDG7, SDG9, SDG11, SDG12 & SDG13 |



| No | Faculty in Pharos University | Course name | Course code | SDG of relevance |
|----|-------------------------------------|-------------------------------------|-----------------|---|
| 19 | Engineering | Energy Systems | EE 271 | SDG3, SDG7, SDG11, SDG12 & SDG13 |
| 20 | Engineering | Digital Communications (1) | EE 255 | SDG9, SDG13 |
| 21 | Engineering | Digital Communications (2) | EE 256 | SDG13 |
| 22 | Engineering | Engineering Environment and Society | HU 161!! | SDG 3 - SDG 5 - SDG 6 - SDG 7 - SDG 8 - SDG 9 - SDG 11 - SDG 12 - SDG 13 - SDG 14 - SDG 15 - SDG 17 |
| 23 | Finance and Administrative Sciences | International Management | BT 527 | SDG 8 - SDG 13 |
| 24 | Finance and Administrative Sciences | Research Project | BT 742 - BT 851 | SDG 1 - SDG 2 - SDG 8 - SDG 9 - SDG 12 - SDG 13 - SDG 16 |
| 25 | Finance and Administrative Sciences | Islamic Finance | BF858 | SDG 1 - SDG 2 - SDG 3 - SDG 4 - SDG 5 - SDG 6 - SDG 7 - SDG 8 - SDG 9 - SDG 10 - SDG 11 - SDG 12 - SDG 13 - SDG 14 - SDG 15 - SDG 16 - SDG 17 |
| 26 | Mass Communication | Environmental Communication | COM 405 | SDG 13 |
| 27 | Pharmacy and Drug Manufacturing | Environment and sustainability | PMC E01 | SDG13 |
| 28 | Pharmacy and Drug Manufacturing | Phytotherapy | PG 305 | SDG13 |
| 29 | Pharmacy and Drug Manufacturing | Environment & sustainability | PMD E01 | SDG 13, SDG 15 |



| No | Faculty in Pharos University | Course name | Course code | SDG of relevance |
|----|---------------------------------|-----------------------------------|-------------|--|
| 30 | Pharmacy and Drug Manufacturing | Toxicology | PL 302 | SDG 13 |
| 31 | Pharmacy and Drug Manufacturing | Forensic Chemistry | PHR 476 | SDG 13 |
| 32 | Tourism and Hotel Management | Tourism Transportation | TM 312 | SDG13 |
| 33 | Tourism and Hotel Management | Tourism and Globalization | TM 472 | SDG 1 - SDG 7 - SDG 8 - SDG 10 - SDG 11 - SDG 13 - SDG 16 - SDG 17 |
| 34 | Tourism and Hotel Management | Tourism Impact and Sustainability | TM 354 | SDG 1 - SDG 6 - SDG 7 - SDG 8 - SDG 11 - SDG 13 - SDG 14 - SDG 15 |

Publications that Address Climate Action (8 publications)

<https://www.pua.edu.eg/wp-content/uploads/2025/11/PublicationsSDG13.pdf>