



Pharos University in Alexandria
Vice President for Graduate Studies & Research
International Ranking committee

THE Impact Ranking SDG15 Report

SDG

15

Life On Land





SDG 15 Life On Land

Sixty of the world's ecosystem services have been degraded over the past 50 years and we continue devaluing our natural resources at an alarming rate. While many of the effects are felt locally first, the long-term consequences are global and the scale is highly relevant to business, presenting risks and opportunities. To retain the integrity and vitality of natural resources today and for future generations and to ensure long-term socio-economic growth, sustainable management of land is key.

Life on Land Activities

Sustainability in Education Project

As part of its commitment to the Sustainability in Education Project, PUA's International Relations Department concluded an agreement with Technological University Dublin (TU Dublin), a strategic partner of PUA, to provide a professional diploma program in sustainability in education. Under this agreement, PUA nominated faculty members from various faculties to participate in the program, equipping them with the essential tools to incorporate sustainability principles into their teaching methods.

Over a duration of six months, these faculty members engaged in workshops and fulfilled assignments to augment their expertise and capabilities. Additionally, representatives from diverse faculties showcased their effective integration of sustainability principles into their instructional approaches.





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/>



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/>



Perspective Rules for Landscape Design

Posted On: May 25, 2025

As part of PUA's continuous pursuit of developing students' skills and enhancing their creative abilities, the Faculty of Arts and Design organized a distinctive workshop entitled "Study of Perspective Rules in Landscaping Design."

The workshop provided an excellent opportunity for students to discover the world of perspective and how to use it in transforming design ideas into tangible reality. Through this workshop, students embarked on a creative journey to learn the arts of landscape design and preparing outdoor spaces in a way that adds aesthetic dimension and visual depth to them.

This workshop contributes to enhancing students' abilities to innovate and excel in the field of landscaping, qualifying them to develop advanced design projects that keep pace with modern standards in this specialization.



<https://www.pua.edu.eg/perspective-rules-for-landscape-design/>



Visiting Cairo's Historical Landmarks

Posted On: March 3, 2025

As part of efforts to develop students' imagination, creativity, and understanding of architectural heritage, fourth-year students (8th semester) in PUA's Architectural Engineering Department embarked on a field visit to Al-Muizz Street and Beit Yakan in Cairo. The visit aimed to deepen students' appreciation of the historical and architectural significance of these iconic heritage sites, while linking theoretical knowledge to practical application.

During the tour, students explored historical buildings and engaged in discussions about development and restoration processes, emphasizing the importance of preserving architectural identity. A specialized tour guide provided detailed insights into the rich history of Al-Muizz Street and Beit Yakan, both of which have undergone recent restoration efforts to maintain their cultural and heritage value. Students also had the opportunity to examine how social and cultural factors influence architectural development and to discuss the challenges faced in restoration projects.

This visit is an integral part of the EA412-Architectural Design 6 course, designed to enhance students' understanding of heritage architecture and its integration into modern design practices. By studying these historical sites, students gained valuable inspiration for their own projects, learning how to balance tradition and innovation in contemporary architectural design.



<https://www.pua.edu.eg/visiting-cairos-historical-landmarks/>



A Field Visit to Mazhar Garden

Posted On: November 27, 2025

PUA is highly committed to linking academic education with practical reality and developing the capabilities of its Architectural Engineering Department students, especially in the field of landscape design. Accordingly, 9th Semester students conducted a field visit to Mazhar Garden as part of the EA554 Landscape course.

The visit included an introductory tour inside the garden with accompanying officials, where students learned about the general site composition and the design elements used, such as plants, pathways, seating areas, and water features. They also studied the visual and spatial relationships between different parts of the garden and how they are utilized to achieve a balance between aesthetic and functional aspects.

In addition, the visit featured an orientation session on the herbarium given by Dr. Teresa Labib, Consultant for Heritage Botanical Gardens, where she explained the garden's history, design style, sustainable maintenance strategies, and different plant species. This lecture helped students link theoretical concepts with the practical implementation of landscape projects in an existing urban environment.

The students received a kind and warm welcome from the garden's administration and officials, and symbolic gifts and certificates of appreciation were exchanged at the end of the visit. The visit was supervised by the course professor Prof. Dr. Reham Ragheb, accompanied by T. A. Naglaa Youssef and Eng. Ghada Abdelwahab.

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



A Recreational Trip to Siwa Oasis

Posted On: May 21, 2025

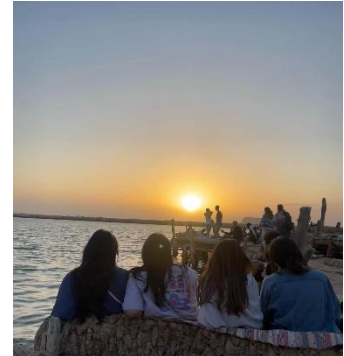
PUA's Architectural Engineering Department organized a recreational trip to Siwa Oasis for senior students (10th semester), supervised by faculty members namely Assoc. Prof. Dr. Mohamed Mahmoud El-Fakharany and Dr. Engy Mohamed Naguib, accompanied by Assoc. Prof. Dr. Mona Mohamed Naguib, Dr. Nourhan El-Heridi, T. A. Naglaa Youssef, and T. A. Reham El-Sherif.

The trip aimed to provide students with an opportunity to enjoy their time before graduation, creating lasting memories of their university experience. Students explored Siwa's most important tourist attractions over three days filled with diverse activities.

On the first day, students visited the famous Temple of Amun where Alexander the Great was crowned, followed by a visit to Dakroul Mountain where the tour guide explained its social significance during the Festival of Reconciliation and its importance to the people of Siwa. In the evening, students headed to Fatnas Island to enjoy the enchanting sunset view.

During the second day, students explored the salt lakes and salt mines, then enjoyed a safari adventure in the Great Sand Sea and sand surfing on the dunes. Afterward, they headed to Cleopatra's Spring for lunch. They concluded the day with a distinctive Bedouin evening and a visit to one of the natural warm springs.

On the third and final day, students concluded their journey by purchasing Siwan products and souvenirs from the traditional Shali Market, carrying with them unforgettable memories of this unique experience.



<https://www.pua.edu.eg/a-recreational-trip-to-siwa-oasis/>



A Scientific Visit to the City of Rashid

Posted On: March 4, 2025

As part of the Architectural Design course (Level 8), PUA's Architectural Engineering Department organized a scientific visit for senior students (10th semester) to the historic city of Rashid. The visit aimed to provide students with a deeper understanding of the diverse architectural styles and construction techniques used across different historical periods. Students explored how traditional architecture harmonizes with the local environment and learned how to incorporate traditional elements into contemporary design projects.

During the tour, students visited several prominent landmarks, including Al-Mahalli Mosque, Abu Shahin Mill, and Al-Amsili House, where they analyzed the unique architectural features of each structure.



<https://www.pua.edu.eg/a-scientific-visit-to-the-city-of-rashid/>

Promoting Environmental Awareness through “Student Garden” Initiative

Posted On: November 25, 2025

As part of PUA's endeavor to enhance environmental awareness and encourage student community engagement, the Faculty of Tourism and Hotel Management launched the “Student Garden” initiative under the supervision of the Student Activities Department. The initiative aims to transform open spaces within the campus into green gardens, designed and implemented by the students themselves.

Numerous Faculty's male and female students participated in the initiative, planting various trees and flowers and organizing awareness campaigns to maintain the environment and cleanliness of the Faculty. The initiative aims to instill the values of teamwork, belonging, and environmental responsibility among students, in addition to improving the aesthetic appearance of the Faculty's surroundings.

The Faculty administration praised the efforts of the participating students, confirming its continued support for such initiatives that contribute to developing environmental awareness and fostering a spirit of cooperation among university students.

<https://www.pua.edu.eg/promoting-environmental-awareness-through-student-garden-initiative-2/>



Environmental Sustainability and Green Dentistry

Posted On: May 28, 2025

Pharos University in Alexandria (PUA) launched a unique initiative that brought together the Faculty of Dentistry and the Faculty of Arts and Design, aiming to encourage students' innovation in environmental sustainability and recycling. This aligns with PUA's vision to foster environmental awareness and social responsibility within the campus.

The initiative sought to highlight the importance of transitioning towards "green dentistry" by adopting environmentally friendly practices, reducing reliance on harmful materials, and developing ideas that contribute to minimizing medical waste and reusing resources in innovative ways. This step underscores the depth of thinking regarding sustainable practices within scientific disciplines.

Students from both faculties participated by presenting several creative projects, which ranged from artworks using recycled materials to awareness posters and artistic sculptures conveying environmental messages in an expressive artistic style, reflecting the commitment of both students and the university to seeking innovative environmental solutions.



<https://www.pua.edu.eg/environmental-sustainability-and-green-dentistry/>



Environmental Friendliness and Interdisciplinarity towards Sustainable Development

Posted On: April 28, 2025

In pursuit of enhancing environmental awareness and supporting sustainable development goals, PUA's Faculty of Languages and Translation organized a symposium titled "Environmental Friendliness and Interdisciplinarity towards Sustainable Development", as part of the faculty's second environmental campaign under the slogan "Green Pharos".

The symposium focused on discussing ways to strengthen collaboration among diverse academic disciplines to address contemporary environmental challenges, while highlighting the pivotal role of educational institutions in promoting a culture of sustainability among students and the broader community. The event featured participation from leading academics and experts in environmental and humanities fields, who explored mechanisms for integrating environmental concepts into academic curricula and fostering innovation in sustainability solutions.

The Dean of the Faculty emphasized that "this symposium aligns with PUA's vision to transform into an eco-friendly campus, where sustainability practices are embedded across all aspects of the educational process." The Dean added that "collaboration among different disciplines is a cornerstone for achieving sustainable development goals both locally and globally."

The symposium included interactive panel discussions showcasing successful joint environmental projects involving the faculties of Engineering, Science, and Arts, alongside practical workshops on designing actionable student-led initiatives within the university campus. Additionally, the faculty honored students who presented innovative ideas to improve the university's environmental footprint.

This year's "Green Pharos" campaign has expanded its activities to raise awareness about the green economy, natural resource management, and carbon emission reduction, in alignment with Egypt's national 2030 strategy. The faculty plans to continue organizing similar events in collaboration with local and international partners to achieve its ambitious environmental vision.

<https://www.pua.edu.eg/environmental-friendliness-and-interdisciplinarity-towards-sustainable-development/>





Integrating Sustainability and Environmental Friendly Practices in Dental Education

Posted On: April 23, 2025

PUA's Faculty of Dentistry recently conducted an awareness workshop for its faculty and teaching assistants, focusing on integrating sustainability principles into academic curricula and research. Organized by the PUA's Curriculum Development Committee and Quality Unit in collaboration with the "Green Pharos" team – comprising Dr. Maha Ibrahim, Dr. Yasmine El-Hamouly, and Dr. Israa Beshr – the event brought together 13 faculty members from various academic departments.

The workshop provided in-depth discussions on practical methods for incorporating sustainable development goals into dental education and research, with particular emphasis on eco-friendly dental clinics and sustainable dentistry applications. Participants examined environmentally responsible practices within the field, including proper medical waste management and the use of advanced technologies to enhance sustainable treatment approaches.

Dr. Maha Ibrahim emphasized that "this initiative aligns with PUA's broader strategy to promote sustainability awareness among faculty and students while establishing responsible environmental practices across all academic disciplines." The program featured interactive activities designed to demonstrate practical applications of sustainability in dentistry and explore how scientific research can support sustainable development objectives.

Concluding the event, organizers assessed participant engagement and knowledge gain through an electronic survey evaluating the workshop's impact on curriculum development and research methodologies. Attendees expressed strong satisfaction with the workshop's content and objectives.

This event marks another step in PUA's second environmental initiative titled "Green Pharos", which seeks to promote environmental awareness and sustainable practices across all faculties in line with global sustainability trends and social responsibility commitments. The University plans to continue this series of workshops and activities to further embed sustainability principles throughout its academic programs.



<https://www.pua.edu.eg/integrating-sustainability-and-environmental-friendly-practices-in-dental-education/>



Interior Design as Environmental Therapy Posted On: March 27, 2025

In today's fast-paced world, adopting solutions that foster health and well-being through environmental design has become essential. Among these solutions, therapeutic garden gardens have emerged as an innovative trend in interior design, utilizing natural elements as therapeutic tools to enhance mental and physical health.

In this context, PUA's Faculty of Arts and Design hosted a distinguished seminar titled "Interior Design as Environmental Therapy." The event was part of PUA's second "Green Pharos" campaign, which aims to raise awareness of sustainable design and its role in enhancing quality of life.

The seminar highlighted the pivotal role of healing gardens in creating calming environments by integrating plants, water features, and natural lighting into both indoor and outdoor spaces. These elements contribute to reducing stress, improving air quality, and enhancing focus and productivity. Speakers also explored how such designs accelerate healing in hospitals and enhance work and educational environments.

With sustainability gaining increasing attention, the seminar underscored that eco-friendly interior design is now an integral part of modern urban planning, offering sustainable solutions that support mental and physical well-being. This approach is shaping a more balanced, healthier, and comfortable future.



<https://www.pua.edu.eg/interior-design-as-environmental-therapy/>



How Big is Your Environmental Footprint Workshop

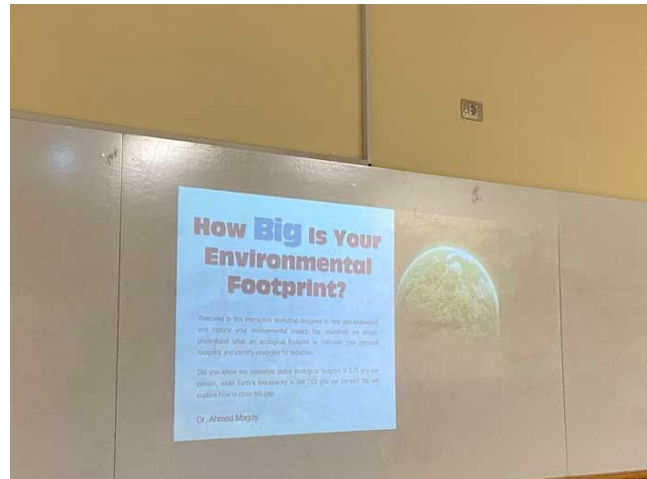
Posted On: March 16, 2025

As part of the second Edition of Green Pharos Campaign and in alignment with its efforts to promote environmental awareness in the hospitality sector, PUA's Faculty of Tourism and Hotel Management organized a workshop titled "How Big is Your Environmental Footprint?" The workshop aimed to introduce students to the concept of the environmental footprint, the environmental impact of tourism and hotel activities, and ways to mitigate this impact through sustainable practices.

The lecture was delivered by Dr. Ahmed Magdy, a lecturer in the Hotel Management Department, who highlighted the importance of environmental sustainability in the tourism sector. He explored modern strategies and techniques that enable hotel establishments to reduce their environmental footprint while maintaining high-quality services.

The workshop featured active student participation, with discussions on successful case studies of hotels and tourism establishments implementing eco-friendly practices. Participants also received hands-on training in environmental impact assessment and developing sustainable action plans for their future careers.

At the conclusion of the event, students expressed their gratitude to Dr. Ahmed Magdy for his insightful lecture and voiced their enthusiasm for more workshops focused on sustainability.



<https://www.pua.edu.eg/how-big-is-your-environmental-footprint-workshop/>



Courses that Support Life on Land

Pharos university is keen to integrate the topic of life on land, the conservation of natural resources and wild life protection to undergraduate students. The following courses are addressing such topics to undergraduates in 3 faculties

| NO | Faculty | Course name | Course code | SDG-relevancy |
|----|------------------------------|--|--------------------------|---|
| 1 | Pharmacy | Environment and sustainability | PMC E01 | SDG 15 |
| 2 | Pharmacy | Phytotherapy | PG 305 | SDG 15 |
| 3 | Arts and design | Perception of the visual Environment | G331 | SDG 15 |
| 4 | Tourism and Hotel Management | Ecotourism | TM 371 | SDG 1 - SDG 3 - SDG 5 - SDG 6 - SDG 10 - SDG 11 - SDG 12 - SDG 15 |
| 5 | 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 |
| 6 | Tourism and Hotel Management | Theme Park Management | TM 414 | SDG 15 |
| 7 | Arts and Design | Perception of the Visual Environment | G 331 | SDG 15 |
| 8 | Arts and Design | Typography (1) | GD 471 - GD 472 - GD 571 | SDG 6 - SDG 7 - SDG 9 - SDG 14 - SDG 15 |
| 9 | Arts and Design | Digital Photography (2) | GD 462 | SDG 1 - SDG 6 - SDG 8 - SDG 11 - SDG 14 - SDG 15 |
| 10 | Arts and Design | Digital Advertising Design | GD 522 | SDG 3 - SDG 6 - SDG 13 - SDG 14 - SDG 15 |
| 11 | Pharmacy Pharm-D | Environment&sustainability | PMD E01 | SDG 13, SDG 15 |
| 12 | Engineering | Architectural Design Level (3) | EA 311 | SDG 13 and SDG 15 |
| 13 | Engineering | Repair and Maintenance of Buildings | ES 403_E | SDG9,SDG15 |
| 14 | Engineering | Quality Control of Construction Material | ES 406 | SDG9,SDG15 |
| 15 | Engineering | Water and Waste Water Engineering | ES 401 | SDG 15 |



| NO | Faculty | Course name | Course code | SDG-relevancy |
|----|---------------------------------------|-------------------------------------|-------------|--|
| 16 | 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 |
| 17 | Financial 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 |

Publications that Address Life on Land (11 publications)

<https://www.pua.edu.eg/wp-content/uploads/2025/11/PublicationsSDG15.pdf>