



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

THE Impact Ranking SDG14 Report

SDG

14

Life Below Water





SDG 14 Life Below Water

The two SDGs that look at the broader ecosystem divide it into Life Below Water, and Life on Land. The oceans, and the rivers and watersheds that link to them, are the largest part of our ecosystem. 40% of the world's population lives within 100km of the coast, and we all rely – directly or indirectly – on the sea. How the university is involved in protecting and enhancing aquatic ecosystems like lakes, ponds, streams, wetlands, rivers, estuaries and the open ocean is explored.

Plastic Recycling

Posted On: May 11, 2024

PUA's Faculty of Engineering conducted a workshop as part of its Green Pharos initiative, drawing attendance from a diverse group of students, teaching assistants, and faculty members. The workshop delved into various pressing issues, notably the peril and adverse impact of plastic waste on the environment at large, and its specific implications for the climate. It elucidated diverse methods for managing plastic waste, with a particular emphasis on mechanical recycling as a secure and ecologically sound approach. Moreover, the workshop outlined the challenges inherent in this system and proposed environmentally friendly solutions, advocating for increased awareness of critical extraction technology employing carbon dioxide gas. This underscored the significance of additive manufacturing in generating top-tier products with advanced applications, utilizing recycled plastic waste in a sustainable manner.



URL: <https://www.pua.edu.eg/plastic-recycling/>



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.



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



Achieving Sustainability through Recycling and Reusing Plastic in Architecture

Posted On: May 5, 2024

From the activities of the symposium on Monday 5/13/2024 entitled "Achieving Sustainability through Recycling and Reusing Plastic in Architecture" prepared by Dr. Lina Ali, a lecturer in the Decor Department, at exactly 11:30 am in Hall B719.



URL: <https://www.facebook.com/share/p/1HdypdizHdbwfCMB/>

Environmental Conservation and Recycling Workshop

Posted On: May 19, 2024

Under the patronage of Prof. Dr. Mohamed Etman, Acting Vice President for Community Service and Environmental Development Affairs, and under the supervision of the Community Service Committee, the Alex Eco team from the French Language Department at AU's Faculty of Arts held a workshop aimed at educating PUA students about the goals of sustainable development.

The workshop focused on various objectives, including achieving sustainable development goals, moving towards the establishment of a Green Pharos as an environmentally friendly university, training environmental leaders, educating students on overcoming environmental challenges, and promoting recycling practices.



<https://www.pua.edu.eg/environmental-conservation-and-recycling-workshop/>



Towards a Sustainable University Community

Posted On: May 13, 2024

As part of the Recycle It campaign and the Green Pharos: an environmentally conscious University Initiative, PUA's Faculty of Computer Science and Artificial Intelligence orchestrated a lecture titled "Towards a Sustainable University Community." The lecture, delivered by Dr. Amr Abdel Fattah, Lecturer in the Computer Science Department, delved into the challenges impeding the attainment of sustainability within the campus milieu. Dr. Abdel Fattah also elucidated on practical solutions that could be adopted to foster the establishment of a more sustainable university community.



<https://www.pua.edu.eg/141466/>

Honoring the Earth Stewardship Day Participants

Posted On: June 1, 2025

Prof. Dr. Mohamed Etman, Vice President for Community Service and Environmental Development Affairs, honored the participants in the workshop organized by the Faculty of Arts and Design in collaboration with Bibliotheca Alexandrina. The recognition came on the occasion of Earth Stewardship Day, appreciating their prominent role in supporting environmental sustainability and raising awareness about recycling through the arts.

Dr. Etman affirmed that these events embody PUA's vision of integrating academic education with environmental issues and community service, supporting its direction in the UI Green Metric ranking as an eco-friendly university. This highlights the university's steadfast commitment to adopting sustainable practices across all its activities.



<https://www.pua.edu.eg/honoring-the-earth-stewardship-day-participants/>



Achieving Sustainability in Your Project

Posted On: May 29, 2025

As part of its second environmental campaign, “Green Pharos”, PUA’s Faculty of Arts and Design organized a pivotal awareness seminar titled: “Criteria for Achieving Sustainability in Your Project: How to Apply Sustainable Development Goals to Make Your Project Environmentally Friendly.”

The seminar saw significant attendance from students across various academic levels, particularly graduating students. It addressed methods for integrating sustainable development goals into design projects, and the importance of using environmentally friendly materials and sustainable design techniques, alongside presenting examples of successful projects. This highlights the faculty’s commitment to deepening the practical understanding of sustainable design principles.

Assoc. Prof. Dr. Salma Youssef Wahba, coordinator of the “Green Pharos” committee, moderated the seminar, emphasizing the importance of fostering environmental awareness and empowering students to innovate responsible solutions that serve the environment and society. This initiative underscores the faculty’s leading role in driving environmental innovation within its academic halls.



<https://www.pua.edu.eg/achieving-sustainability-in-your-project/>



Towards a Healthy and Sustainable Future

Posted On: May 22, 2025

PUA's Faculty of Physical Therapy organized a seminar titled "Towards a Healthy and Sustainable Future," as part of the second environmental campaign "Green Pharos," aiming to raise environmental and health awareness among students and the community.

The seminar witnessed active participation from faculty students and addressed multiple topics on the relationship between health and the environment, and ways to achieve sustainable development. Participants recommended during discussions the importance of community awareness and integrating sustainability concepts into educational curricula and health practices.

This seminar comes within an integrated series of activities organized by the faculty to enhance its pioneering role in serving the environment and community, and to establish sustainability concepts among the new generations of specialists in the field of physical therapy.

<https://www.pua.edu.eg/towards-a-healthy-and-sustainable-future/>





An Awareness Symposium on Earth Day

Posted On: April 27, 2025

In pursuit of spreading sustainability culture and enhancing environmental awareness, PUA's Faculty of Tourism and Hotel Management organized an awareness symposium on Earth Day, as part of PUA's second annual environmental campaign under the slogan "Green Pharos".

The symposium focused on discussing effective environmental practices to preserve natural resources, such as:

- Rationalizing energy and water consumption in hotels and tourism facilities.
- Promoting recycling and reducing waste in the tourism sector.
- Adopting sustainable hospitality technologies that balance economic development and environmental protection.
- The role of students in embracing these principles within the university campus and applying them in their future careers.

Participants, including academics and students, emphasized the importance of integrating eco-tourism concepts into academic curricula and linking hospitality and tourism disciplines to sustainable development goals. Attendees also discussed ways to implement sustainability standards in student projects and research.

This symposium aligns with the university's commitment to supporting Egypt's 2030 Agenda for Sustainable Development. The Dean of the Faculty, stated, "These events are part of our vision to provide holistic education that combines academic excellence with social and environmental responsibility."

It is worth noting that PUA launched the second edition of its "Green Pharos" campaign this year, which includes a series of workshops and practical activities to mainstream sustainability culture across all university faculties, in collaboration with civil society organizations and relevant government entities.



<https://www.pua.edu.eg/an-awareness-symposium-on-earth-day/>



Courses that Support Life Below Water

No	Faculty in Pharos University	Course name	Course code	SDG of relevance
1	Tourism and Hotel	Tourism Impact and Sustainability	TM 354	SDG 1 - SDG 6 - SDG 7 - SDG 8 - SDG 11 - SDG 13 - SDG 14 - SDG 15
2	Arts and Design	Typography	GD 471 - GD 472 - GD 571	SDG 6 - SDG 7 - SDG 9 - SDG 14 - SDG 15
3	Arts and Design	Digital Photography (2)	GD 462	SDG 1 - SDG 6 - SDG 8 - SDG 11 - SDG 14 - SDG15
4	Arts and Design	Digital Advertising Design	GD 522	SDG 3 - SDG 6 - SDG 13 - SDG 14 - SDG15
5	Engineering	Graduation Project (1)	ES 400-1	SDG 6, SDG 7, SDG 8, SDG 9, SDG 11, SDG 14
6	Engineering	Graduation Project (2)	ES 400-2	SDG 6, SDG 7, SDG 8, SDG 9, SDG 11, SDG 14
7	Engineering	Water and Waste Water Engineering	ES 401_E	SDG 6 - SDG 14
8	Pharmacy and Drug Manufacturing	Phytochemistry II	PGD 302	SDG 14
9	Pharmacy and Drug Manufacturing	Phytochemistry II	PGC 303	SDG 14
10	Pharmacy and Drug Manufacturing	Phytochemistry II	PGC 302	SDG 14
11	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
12	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 Below Water (1 publication)

Title	Authors	Year	Scopus Source title	Citations	Field-Weighted Citation Impact	DOI	Sustainable Development Goals (2025)
Fungal carbonatogenesis process mediates zinc and chromium removal via statistically optimized carbonic anhydrase enzyme	Awadeen, N.A. Eltarahony, M. Zaki, S. Yousef, A. El-Assar, S. El-Shall, H.	2024	Microbial Cell Factories	11	2.61	10.1186/s12934-024-02499-7	SDG 3 SDG 6 SDG 11 SDG 14 SDG 15