



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

Sustainability Competition

Within the sustainability week launched by the Tourism Department, 3rd year students in the tourism impact and sustainability course – as part of their final dissertation – presented a set of creative ideas. These ideas reflected the concept of sustainability and its significance for tourist destinations. One of these ideas was about living a sustainable and climate-friendly life



The students were divided into a group of competing teams, under the supervision of Assoc. Prof. Dr. Ghada Bassiouni, and Prof. Amr Moroccan. Each team was keen on implementing an idea that reflects the concept of sustainability in tourist destinations.

This was done by designing posters, fliers, and magazines, that highlighted the extent to which they have acquired the learning skills targeted in the course specification.

URL: <https://www.pua.edu.eg/sustainability-competition/>



2nd Edition of the Intra-Africa 2063 Competition

In light of the first aspiration of the Africa agenda 2063 entitled “A prosperous Africa, based on inclusive growth and sustainable development “, the E-Club of Pharos University in Alexandria (PUA) is launching its 2nd edition of the Intra-Africa 2063 Competition entitled “SDGs through Entrepreneurship... Possible Contributions and Future Directions”. This is in cooperation with the International Relations Department and “Durban University of Technology (DUT), South Africa” from the 6th to the 9th of March 2023.

The E-Club PUA aims to focus in its 2nd edition of the Intra-Africa 2063 competition on achieving the SDGs through entrepreneurial ideas, serving our Africa through the following themes:

1. Climate and Environment
2. Health and Medical Field
3. Culture and Education
4. Green Economy / Technology
5. Hospitality and Indigenous Food

Accordingly, the African Universities gather to discuss common issues and find shared solutions.

URL: <https://www.pua.edu.eg/2nd-edition-of-the-intra-africa-2063-competition/>



Media and Climate Changes Seminar

As part of its interest in participating in important issues at both global and local levels, PUA's Faculty of Mass Communication organized a seminar on "Media and

Climate Change in the Light of the Sustainable Development Goals". This seminar tackled the following topics:

1. Climate changes and how to adapt to them.
2. Urgent actions to address climate changes.
3. Alexandria and the fate of disappearance.
4. Rising temperatures and their impact on coastal cities.
5. Sustainable development and climate fluctuations.
6. The role of media and social media in educating the public about climate changes and their effects on all aspects of life.

Further, the seminar hosted a group of environment and media experts, namely: Dr. Mahmoud Bakr, Deputy Editor-in-Chief of Al-Ahram Weekly and Head of the Environment Department. Dr. Ramy Yacoub, United Nations Industrial Development Consultant and Director of the European Union and Earth Climate for Sustainable Development Foundation's Climathon Egypt Project, Dr. Mamdouh Rashwan, Secretary-General of the Arab Union for Environmental Affairs and President of the Egyptian Youth Association for Development & Environment (YADE). Dr. Saber Mohammed Othman, Climate Change Expert and Chairman of the Board of Trustees of Climate Earth Climate for Sustainable Development Foundation's, Dr. Sameh Riyadh, Head of the Environmental Affairs Authority in Alexandria Governorate. Prof. Hassan Baraka, Assistant Editor-in-Chief and Environmental official at Al-Akhbar Newspaper. Prof. Fawzy Abdel Halim, former Editor-in-Chief and Head of Environment Department of Al-Ahram Newspaper. The seminar aimed to educate students about the climate change crisis and its effects on the future of upcoming generations.

This seminar was moderated by Dr. Mahmoud Bakr, Deputy Editor-in-Chief of Al-Ahram Weekly and Head of the Environment Department at Al-Ahram. The guests presented several visions on different topics.

This seminar was characterized by the remarkable organization, large attendance, interaction of the Faculty students and guests, as well as the exchange of experiences and different viewpoints.





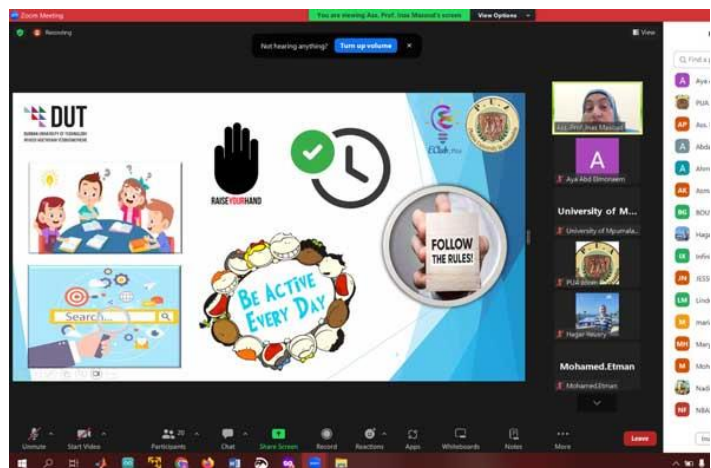
3rd Intra-Africa 2063 International Competition

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

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.





Education Sustainability and Environmental Consciousness Workshop

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

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.



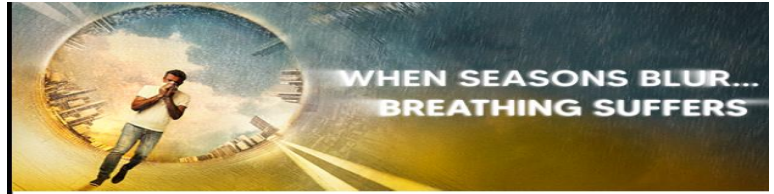
URL: <https://www.pua.edu.eg/celebrating-earth-day/>



Training Sessions to Medical Students

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.

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



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 Abdelmoneim – Head of Expert,
North Africa Haleon

We look forward to seeing you there.

Yours sincerely,

Haleon
For Health. With Humanity.

Brought to you by:



HALEON healthpartner

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July 2023 WEBINAR Can Green ELT activities be engaging? (Yes!)

Dealing with environmental issues in the classroom doesn't have to be depressing, boring or lead to eco-anxiety. On the contrary, these can be some of the most memorable, thought-provoking and delightful lessons. In this session we are going to look at how we can address environmental issues like climate change in positive, thoughtful and very engaging ways. This will include the principle of starting where your learners are at and finishing with where they can be. We will look at some fabulous short videos that can help your students understand how environmental issues are related to themselves and that will inspire them to take their own small actions. We will also see some of the magic that happens when we take learners outside the classroom into the big, beautiful world we live in ... or if that's not possible, how we can bring that magic into the classroom. But as we can't watch videos and go out every day, we'll also look at some classroom routines and digital tools that we can inspire our learners with on a daily basis.



Can Green ELT activities be engaging? (Yes!)

Wednesday 12th July, 2023 at 11:00 AM – Egypt Time (+3 GMT)

Presented by Johanna Stirling

REGISTER NOW

URL: <https://www.pua.edu.eg/continuing-education/elc/webinars/july-2023-webinar/>



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	(ϣ) 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

Title	Authors	Year	Scopus Source title	Citations	Field-Weighted Citation Impact	DOI	Sustainable Development Goals (2023)
Air quality estimation using remote sensing and GIS-spatial technologies along Al-Shamal train pathway, Al-Qurayyat City in Saudi Arabia	Al-Alola, S.S. Alkadi, I.I. Alogayel I, H.M. Mohamed, S.A. Ismail, I.Y.	2022	Environmental and Sustainability Indicators	14	2.51	10.1016/j.indic.2022.100184	SDG 3 SDG 9 SDG 11 SDG 13
Sustainability potential for Ginkgo biloba L. plantations under climate change uncertainty: An ex-situ conservation perspective	Bidak, L.M. Heneidy, S.Z. Halmy, M.W.A. El-Kenany, E.T.	2022	Acta Ecologica Sinica	4	0.69	10.1016/j.chnaes.2021.09.012	SDG 8 SDG 13 SDG 15



Title	Authors	Year	Scopus Source title	Citations	Field-Weighted Citation Impact	DOI	Sustainable Development Goals (2023)
Modeling the Intercooling of a Multi-stage Compression in Gas Turbines Using Absorption Chiller	Amin, K.A. ElHelw, M. Elsamni, O.A.	2022	Lecture Notes in Mechanical Engineering	1	0.74	10.1007/978-981-16-8806-5_7	SDG 13
Deep learning-based energy efficiency and power consumption modeling for optical massive MIMO systems	Salama, W.M. Aly, M.H. Amer, E.S.	2023	Optical and Quantum Electronics	1	0.22	10.1007/s11082-023-04759-z	SDG 7 SDG 13
Optimization of International Rating System Evaluation for Adaptive Reuse Projects	Helal, H.M. Maarouf, I. Nassar, D.M.	2022	Advances in Science, Technology and Innovation	0	0	10.1007/978-3-030-99480-8_18	SDG 7 SDG 11 SDG 12 SDG 13