



THE Impact Ranking SDG14 Report

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.

Life Below Water Events

Climate Conference

Posted On: April 5, 2022

A high-level delegation from Pharos University participated in the “Future of Alexandria and Climate Challenges” conference held at the Bibliotheca Alexandrina on Tuesday, March 29, 2022, which was co-sponsored by Pharos University. The delegation included Prof. Dr. Mahmoud Mohy El-Din, President of the University, Prof. Dr. Prof. Nourhan Fanaky, Vice-President for Education and Student Affairs, Prof. Dr. Prof. Ramadan Abu El-Ala, Vice President of Community Service & Environment Development Affairs, Prof. Dr. Boshra Salem, Dean of Postgraduate Studies and Research, and Prof. Dr. Ramadan Abdel Maksoud, Supervisor of the Department of Architecture, Faculty of Engineering, along with a number of university students. Further, the delegation members participated in the important discussions and recommendations produced from the sessions held in this regard.



URL: <https://www.pua.edu.eg/climate-conference/>



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/>



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/>



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

Title	Authors	Year	Scopus Source title	Citations	Field-Weighted Citation Impact	DOI	Sustainable Development Goals (2023)
Evaluation of the water quality and the eutrophication risk in Mediterranean sea area: A case study of the Port Said Harbour, Egypt	Morsy, A. Ebeid, M. Soliman, A. Halim, A.A. Ali, A. Fahmy, M.	2022	Environmental Challenges	25	2.22	10.1016/j.envc.2022.100484	SDG 14
Oil-recovery performance of a sponge-covered drum skimmer: Performance of a sponge-covered drum skimmer	Khalil, M.F. El-Boghda dy, I. Lotfy, E.R.	2022	Alexandria Engineering Journal	6	0.84	10.1016/j.aej.2022.06.011	SDG 14



Title	Authors	Year	Scopus Source title	Citations	Field-Weighted Citation Impact	DOI	Sustainable Development Goals (2023)
Strain sensing in underwater acoustics with a hybrid π -shifted FBG and different interrogation methods	El-Gammal, H.M. Ismail, N.E. Rizk, M.R.M. Aly, M.H.	2022	Optical and Quantum Electronics	5	0.58	10.1007/s11082-022-03583-1	SDG 14
Electrochemical Assessment of Nano Ethyl Methacrylate-Methyl Acrylate Copolymer as Protective Coating for Copper Based Alloy in Sea Water	Abdullatif, O.A. Helal, M.A. Anwar, S.M.	2023	Protection of Metals and Physical Chemistry of Surfaces	0	0	10.1134/S2070205123700600	SDG 14