



HASHEMITE UNIVERSITY

Sustainable Development Goals



GOAL 14: LIFE BELOW WATER

An increase in global awareness in the last decades has been observed regarding the aquatic environment in terms of the impacts of the word pollution and industrial waste on marine organisms. The Hashemite university supports different researchers from its faculty members and students to perform different studies and activities in order to improve and enhance the living environments in the oceans and seas. Although there are several limitations to protecting and improving the aquatic environments, The Hashemite university has done significant contributions in this regard. For example, some of the limitations include the limited coastal locations in Jordan (Aqaba coast 27 Km), and the far distance of the Hashemite university from the coast of Aqaba. Moreover, the nature of the climate in Jordan is a limiting factor which tends to be dry and desert-like specifically in Zarqa where the Hashemite university campus is located. Some of the initiatives done by The Hashemite university include but are not limited to executing different studies to provide significant contributions to improving and protecting the Aquatic environment. In addition, the Hashemite university organized several social activities for the students, faculty members, employees and community to increase awareness of the aquatic life in Jordan.

The list of some studies and activities that were performed and organized by the Hashemite university to support, enhance and increase awareness includes:

- A. Sea World and Marine Creatures Exhibition for Educational Aids
https://hu.edu.jo/NewsCenter/f_news.aspx?newsid=%2028076&dp=19-04-2016
- B. Initiating a center for renewable energy, water and the environment in the Hashemite university
This center aims to activate interdisciplinary research activities and the accompanying economic and social development, and its impact on the environment and climatic changes in Jordan and the region.
<https://hu.edu.jo/unitcenter/index.aspx?typ=18&unitid=26000000>
- C. Initiating the Environmental and Astronomical Club to increase the student's and community's awareness regarding the hazardous factors that affect the marine environment, climate environment and other natural environments.
<https://hu.edu.jo/en/facnew/index.aspx?typ=217&unitid=70000000>
- D. The department of biology and biotechnology at the Hashemite university offers different courses that represent the importance of the aquatic environment.

For example

Marine Biology

<https://hu.edu.jo/en/facnew/dept/CourseDetails.aspx?CrsID=2104463&deptid=51040000>

Phycology

<https://hu.edu.jo/en/facnew/dept/CourseDetails.aspx?CrsID=2104454&deptid=51040000>



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E. The Hashemite university established a Jordan Journal of Biological Sciences where different local and international studies about the Marine Biology and aquatic environment were published in the journal.

<https://jjbs.hu.edu.jo/>

F. Different studies were accomplished at the Hashemite university about Marine Biology and aquatic environment

- Levels of trace metals in the bigeye hound shark *Iago omanensis* from the Gulf of Aqaba, Red Sea

<https://www.researchgate.net/profile/Tariq-Al-Najjar/publication/287338853/Levels-of-trace-metals-in-the-bigeye-houndshark-Iago-omanensis-from-the-gulf-of-aqaba-red-sea/links/567b01a508ae197583812f26/Levels-of-trace-metals-in-the-bigeye-houndshark-Iago-omanensis-from-the-gulf-of-aqaba-red-sea.pdf>

- Early Triassic intertidal/subtidal patterns of sedimentation along the southern margins of the Tethyan seaway, Jordan

<https://www.sciencedirect.com/science/article/abs/pii/S1367912000000031>

- Indonesian marine biodiversity as a sustainable resource to support the Indonesian pharmaceutical industry in ASEAN pharmaceutical market

https://www.econstor.eu/bitstream/10419/178811/1/IJMSIT_y2015_i18_p020-024.pdf

- Evaluation of the geodynamic activity of the Dead Sea transform fault by radon gas concentrations

<https://link.springer.com/article/10.1007/s00254-004-1060-x>

