



HASHEMITE UNIVERSITY

Sustainable Development Goals



GOAL 15: LIFE ON LAND

The environmental conditions and the risk factors that affect the land environment were extensively investigated in worldwide studies due to their hazardous impacts on animals, plants and even on human living conditions. The Hashemite university had a significant contribution to enhancing the environmental conditions in Jordan in order to improve the living conditions of the plants and animals, reduce environmental pollution and resist desertification and shortage of natural resources. This has been achieved through holding different social workshops for the students and local community to increase general awareness of the risk factors that threaten the environmental living conditions. Moreover, several efforts have been done to cooperate with some governmental agencies and the local community to perform a set of activities and initiatives to examine and enhance the living conditions for the plants and animals in terms of food and water resources, resist desertification and improve the agriculture status. In addition, several studies were accomplished by specialized colleges in the Hashemite university to study, examine and improve the environmental conditions in the world, region, Jordan and specifically in the Zarqa city. Fundamentally, Three departments (the department of land management and environment, the department of earth sciences and environment and the department of water management and environment) in the prince el Hassan bin Tala faculty of natural resources and environment and other departments (department of biology and biotechnology) on the faculty of science are established to examine the ideal living conditions for plants and animals, the current life conditions and challenges and then identify the gap between the ideal and current life conditions and determine the methods for enhancing and managing these conditions.

Mentioned below are some of the activities, research and workshops that represent the initiatives done by the Hashemite university in improving the environmental life conditions on the land.

1. Establishment of Jordan's National Seeds Bank
https://hu.edu.io/NewsCenter/f_news_0_0.aspx?newsid=32723
2. Potential of AquaSource for Jordan: Alleviating Plant Stress from Water Shortage
<https://pic.hu.edu.io/Upload/12000000/p13.pdf>
3. Memorandum of Understanding between the Hashemite University and the Hashemite Farm "Bir Al-Amir"
https://hu.edu.io/NewsCenter/f_news_0_0.aspx?newsid=%2033222
4. A workshop discussing the mainstreaming of ecosystem services approach
https://petra.gov.io/Include/InnerPage.jsp?ID=2220957&lang=ar&name=archived_news
5. Workshop on the occasion of the World Day to Combat Desertification
<https://www.ammonnews.net/article/694298>



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6. Workshop on environment and sustainable development
<https://alrai.com/article/169551/مجلات/ورشه-عمل-حول-البيئة-والتنمية-المستدامة-في-الهاشمية>
7. Air Quality Impact of the Upgraded Al-Samra Waste Water Treatment Plant
http://jjees.hu.edu.jo/files/Vol7N1/Vol7N1_HQ_P19-26.pdf
8. Scientific Day of the College of Natural Resources and Environment to raise awareness of the danger of climate change in Jordan and its impact on humans and the environment
https://petra.gov.jo/Include/InnerPage.jsp?ID=2011111&lang=ar&name=archived_news
9. MODIS-based land surface temperature for climate variability and change research: the tale of a typical semi-arid to arid environment
<https://www.tandfonline.com/doi/full/10.1080/22797254.2020.1735264>
10. Statistical Examining of frost characterization: A case of global warming impact in Jordan
https://www.scirp.org/html/6-9401343_6989.htm
11. On the performance of real grey water treatment using a submerged membrane bioreactor system
<https://www.sciencedirect.com/science/article/abs/pii/S0376738814008461>
12. Phosphorus-Sorption Characteristics of Calcareous Soils in Arid and Semi-Arid Regions
https://www.researchgate.net/publication/230793020_Phosphorus-Sorption_Characteristics_of_Calcareous_Soils_in_Arid_and_Semi_Arid_Regions

