

13.3.3 PRINCESS NOURAH BINT ABDULRAHMAN UNIVERSITY AND CLIMATE CHANGE

[Princess Nourah Bint Abdulrahman University and Climate Change](#)

Princess Nourah bint Abdulrahman University is interested in preparing knowledge materials related to important global issues that the world celebrates annually, and linking them to the university and its events as an influential force to spread awareness in the internal and external community and highlight issues that need more attention than others, through the interactive file "Nourah and the World". Publication continues throughout the year.



Figure (1)

[Princess Nourah Bint AbdulRahman University launches Geo-Environment Forum with Vision 2030 in collaboration with the Ministry of Environment, Water and Agriculture](#)

Under the auspices of His Excellency the Director of the University, Dr. Inas Bint Suleiman al-Issa, Princess Nourah Bint Abdul Rahman University, represented by the Faculty of Arts, launched the "Geographical Environment Forum with Vision 2030" in cooperation with the Ministry of Environment, Water and Agriculture, in the University's Conference Center, in the presence of a number of leaders, representatives of ministries and a group of experts and interested people from various universities in the Kingdom.

The program opened with fragrant verses from the Holy Quran, followed by a speech delivered by H.E. The University's Undersecretary for Graduate Studies and Scientific Research Dr. Ahmed Al Ghadeer on behalf of His Excellency the University's Director Dr. Inas Bint Suleiman al-Issa, Inas Bint Suleiman al-Issa, in his speech welcomed the generous presence and expressed his pride and gratitude for the blessed efforts our leadership has given to support the processes of education and learning to promote the country in its present and future.

The Dean of the Faculty of Arts, Dr. Mona Al-Loiba, then delivered the opening speech of the forum, explaining that the Faculty of Arts represented by the Department of Geography initiated this forum based on the vision of Princess Nourah Bint AbdulRahman University to invest knowledge to be a beacon in the development of a sustainable national environmental community, where the forum (Geographical Environment vision 2030) aims to deepen and enrich the environmental culture in society, promote scientific research to serve environmental issues using giss, and highlight the original and innovative experiences leading in environmental work. Sustainable, promoting national values in maintaining quality of life by reducing pollution in all its forms, increasing the efficiency of waste management and reuse, reducing the phenomenon of desertification, preserving natural wealth and

consolidating the value of the sustainable environment in our dear country.

Dr. Al-Loiba's speech was followed by a panel discussion introducing the process of space and geospatial information in the Kingdom presented by the former Chairman of the General Authority for Space, His Excellency Lt. Gen. Mareh Al-Shahrani, and the Undersecretary of the Ministry of Land and Space at the Ministry of Municipal and Rural Affairs, Dr. Mohammed Al Rajhi.

The forum was then launched on its first day with two sessions in which nine working papers were presented, the first session was entitled "Modern technical applications in the field of environment using GIS" under the management of Dr. Abdullah Al-Briki Al-Shammari, in which the associate professor of geography from Qassim University, Dr. Ahmed Al-Daghiri, participated in the talk about: "The contribution of spatial analysis techniques in the study and preparation of naturality in the Tesia reserve in Saudi Arabia", as addressed by Engineer Talaat Al-Rahali to "plan the expansion of the investment of the metric industry for more accurate measurements and economy of the world." "Monitoring sand creep and predicting its movement using remote sensing and geographic information systems techniques in Badr province in Medina," said Dr. Nasser Al-Zabneh, Assistant Professor of Geography at Taiba University, "Monitoring sand creep and predicting its movement using remote sensing and geographic information systems techniques in Badr province of Medina," while Princess Nourah University Assistant Professor of Geography Dr. Iman al-Banna presented her scientific paper entitled "The impact of sea level rise on land uses in damietta and Rashid regions using GIS and remote sensing." Professor of Geographic Information Systems at Princess Nourah Afnan University of Turkey and Sita Al-Oufi, with a scientific paper entitled "Using GIS in Environmental Planning".

The second session was entitled "How to make our environment sustainable Ramadan?" From King Saud University and its scientific paper entitled "Major transport projects for sustainable development in Riyadh and its expected impact to reduce pollution and raise the level of air quality in 2030". At the end of the second session, Professor of Islamic History Dr. Alia Al-Jubaili of Princess Nourah University discussed "Islamic solutions to the problems of the environment and its impact on Islamic civilization".

The forum has been attended by 16 entities, including ministries, institutions and government and private sectors, and will continue its activities until Thursday with two dialogue sessions entitled "Environmental Challenges" and "Waste Recycling to maintain a sustainable environment".

[Princess Nourah Bint AbdulRahman University participates in "the launch ceremony of several scientific researches and applied studies to develop the fish sector and enhance food security" organized by the Ministry of Environment, Water and Agriculture](#)

Princess Nourah Bint Abdul Rahman University, represented by the Faculty of Education and a number of researchers, participated in the "launch ceremony of several scientific researches and applied studies", organized by the Ministry of Environment, Water and Agriculture recently in Riyadh, with the aim of launching 3 scientific studies prepared by the National Program for the Development of the Fisheries Sector in order to develop the fish sector, enhance food security, and make homosexual use of the Kingdom's natural resources in the field of fisheries and raise its production sustainably to reach the goals of the Kingdom's Vision 2030.

The Undersecretary of the Ministry of Environment, Water and Agriculture, Deputy Chairman of the National Fisheries Development Program M. Ahmed, attended the clinic, and Princess Nourah University represented both the University's Undersecretary for Graduate Studies and Scientific Research, Dr. Arij Al-Khalaf, and the Dean of the Faculty of Education, Dr. Hassa Al-Shaya, in addition to attending 15 government agencies and 15 private sector fish producers and fish food manufacturers.

The university participated in two scientific studies, the first study focused on "knowledge of the nutritional value and microbial quality of mackerel fish and local knowledge of tanning fish", which is supervised by Dr. Amal Al-Fall, where the study, carried out by Saudi experts and researchers, found that mackerel fish found in the waters of the Red Sea and arabian Gulf, characterized by high protein content, and contain a significant

percentage of fatty acids, noting that products manufactured such as fish crackers and frozen fish fingers for a while 12 months, gave high nutritional results and was not affected by storage and freezing, nor did the taste or flavor change.

The second study, supervised by Dr. Nourah al-Faris, highlighted "shrimp and its relationship to blood fat level", noting the high nutritional value of Saudi shrimp, its containment of proteins and many minerals and vitamins, and the study showed that shrimp contains low mercury and low fat ratios with higher omega-6 content than omega-3, stressing that frying shrimp was the best in terms of preserving its nutrient content. Which in turn was reflected in lower levels of total cholesterol, triglycerides and low-density lipocholesterol (TC, TG, LDL,-C), with a high level of beneficial cholesterol (HDL-C), and a marked decrease in blood fat in the liver.

This participation is part of supporting the kingdom's fisheries sector, stimulating fish farming, raising the community's food awareness of locally farmed fish consumption, and clarifying their high nutritional and health value.