13.3.4 PRINCESS NOURAH BINT ABDULRAHMAN UNIVERSITY AND LOCAL CLIMATE CHANGE SUPPORT

Climate change in the last four decades was not only a theory or hypothesis, but a tangible reality and matter. The centenary global climate records are full of rich evidence and definitive evidence, that the elements of the climate have changed and become more extreme and violent, and in particular the temperature of the Earth's surface and oceans, which contributed to It predominates and negatively affects both humans and the ecosystem. The melting of polar ice and frozen rivers, which was followed by the rise in sea level, is only tangible evidence and tied evidence for those who have doubts and suspicions.

A study to investigate local climate change of temperatures in the midst of rising temperatures in the 30 years of the last century, a percentage of 1.5 degrees Celsius, for example, relates to the future and based on three global models (HadCM3 British, CGCM2 Canadian), ECHAM4 German) and two scenarios of gas emissions have proven The study in the average temperature at the central level of the Kingdom will increase by 0.4°C, while it is expected that the average temperature will rise in 2080 from 2°C by 4.8°C, as for the attachments in the following table in the following table.

Figure (1)

Environmental Pollution Research Chair

1- The speech of Mr. Chair A.D. Khairia bint Mohammed bin Ahmed Al-Qahtani:

Based on princess Nourah Bint AbdulRahman's vision and mission to be a comprehensive university for women distinguished by her educational leadership and scientific research, she contributes to building the knowledge economy with a community and global partnership. The Environmental Pollution Research Chair seeks to achieve this ambitious vision by developing several research projects that include prioritizing support for key areas of research, documenting communication and scientific cooperation between Princess Nourah University and other universities while serving the environment, promoting a culture of creativity, excellence and innovation and building influential strategic relationships with researchers and partners in various sectors of society and business. It also includes supporting outstanding research in the field of the environment and encouraging members to publish their scientific research in international journals classified to raise the university's reputation and reach the ranks of international universities. The chair will

also contribute to increasing the scientific and practical efficiency of researchers and centers interested in pollution through cooperation and training. This chair serves all disciplines and sectors of the University, whether scientific, health or humanitarian, allowing the establishment of research groups of different disciplines to study any point in all its aspects.

2- The name of the chair financier:

The chair is funded by Princess Nourah Bint Abdul Rahman University

3- Vision:

Leadership in environmental research, pollution study and treatment methods.

4- The message:

Contribute to the service of the community by providing research that studies and addresses environmental problems of all kinds and through the transfer and localization of knowledge.

5- Goals:

1. Conducting and publishing a series of research resulting from the chair in internationally classified journals.

2. Establish local and international research partnerships with relevant entities.

3. Providing laboratory analysis services to the public and private sectors in the field of the environment.

4. Holding conferences, seminars and scientific workshops.

5. Providing scientific advice to government and private entities.

6. Develop the chair to work with self-financing in the future.

7. Creating an advanced research environment in environmental pollution

8. Develop pollution detection mechanisms and treatment methods.

9. Preparing undergraduate and master's students as researchers in specialized fields in pollution detection and treatment.

10. Promoting the quality and quantity of research focused on pollution treatment in Saudi centers and universities.

11. Create and develop new strategies to translate research results to improve the performance of pollution centers in the Kingdom.

6- Scientific Committee:

Dr. Osama Faqaha / Undersecretary of the Ministry of Agriculture, Environment and Water for Environmental Affairs.

Dr. Zeid Abdullah Al-Othman/ Professor of Analytical Chemistry, Faculty of Science, King Saud University.

Dr. Abdullah Suleiman Al Faraj / Professor of Chemistry and Minerals - Faculty of Food and Agriculture Sciences, King Saud University.

Dr. Mohammed Hamza Al-Saeed / Professor of Chemistry and Environmental Pollution - King Saud University.

A.Dr. Torches Young Women / Professor of Physical Chemistry - Faculty of Science - Princess Nourah University.

Al-Jawhara Al-Muqrin / Associate Professor of Nuclear and Radiophysics - Faculty of Science - Princess Nourah University.

Mudi Al-Otaibi / Assistant Professor of Plant Environment - Faculty of Science - Princess Nourah University.

7- Chair Coordinator:

A. Al-Bandari Abdul Aziz Al-Obaidan (Scientific Coordinator)

A. Sahab Al-Falij (Administrative Coordinator)

8- Chair Secretary:

A. Sarah Al-Sharif

9- Means of communication:

VGS-EPRC@pnu.edu.sa

0118235982

10- The achievements of the chair:

(Research chair activities and programs.pdf)

KINGDOM OF SAUDI ARABIA
Ministry Of Education
Princess Nourah bint Abdulrahman University
(048)
Graduate Studies and Scientific Research Vice-Rectorate

المملكة العربية السعودية
وزارة التعليم
جامعة الأميرة نورة بنت عبدالرحمن
(٠٤٨)
وكالة الجامعة للدراسات العليا والبحث العلمي

الانشطة والبرامج لكراسي البحث

الكراسي البحثية Research Chairs	الانشطة (ورش / مؤتمر /ندوة / برنامج تدريبي/علمية / برنامج اخر)	عنوان النشط	الفئة المستهدفة (اعضاء هيئة التدريس / طالبات/مجتمع)	مكان الانعقاد: خارج الجامعة	مكان الانعقاد: داخل الجامعة	التمويل الداخلي: خارج	التمويل الداخلي: داخل	تاريخ الفعالية	مدة الفعالية	عدد المشاركين (المتوقع/ حضر)
كرسي ابحاث أدب الطفل Children's Literature Research Chair										PDF
كرسي ابحاث امراض القلب والشرايين لدى النساء Chair of cardiovascular research in women										PDF
كرسي ابحاث التلوث البيئي Environmental pollution Research Chair	ورشة تدريبية	الورشة التدريبية بعنوان البصمة الكربونية المائية بـ جامعة الأميرة نورة بنت عبدالرحمن	جامعة		✓		✓	2 / 1440/1هـ	10 - 12	مقطع فيديو لجميع أنشطة الكرسي https://youtu.be/FBUef-0CNHs
	دورة تدريبية	دراسة بحثية عن تأثير بعض المخلفات الصناعية على مسطحات الرياض والخرج	جامعة		✓	✓		1440/1/8 هـ	10 - 12	

نموذج الانشطة والبرامج لكراسي البحث – رقم (012505-F29)

Figure (2)

	دورة تدريبية	تحضير القهوة بالطريق التقليدي واستخدامه في تلقيح أنواع القهوة بالمحاضر السابقة	عامة	✓			/1/23 1440هـ	12- 10	
	دورة تدريبية	خطوات إبداعية في إعداد البحث العلمي	عامة	✓			/1/27 1440هـ	12- 8	
	حملة تطوعية	حملة تطوعية للعمل اليوم المالي لطلبة الأولين	عامة	✓		✓	1440/1/8 هـ	12- 8 لمدة 10 أيام	
	دورة تدريبية	أنواع الطاقة المتجددة وأهميتها وأساليبها بالتعاون مع وحدة خدمة المجتمع في قسم الكيمياء	عامة	✓		✓	/1/29 1440هـ	12- 8	
	ورشة عمل	التفاعلات الكيميائية المتخلف من المحاضر الطبية في الماء والتربة	عامة	✓		✓	/2/13 1440هـ	12- 10	
	حملة توعوية	تحديد المحاضر السابقة في بعض مستحضرات التجميل	عامة	✓		✓	/2/21 1440هـ	10- 9	
	دورة تدريبية	الإشعاع والبيئة	عامة	✓		✓	/2/29 1440هـ	12- 10	
	دورة تدريبية	أهمية التعاون في الحفاظ على الطبيعة البيئي		✓		✓	1440/3/6 هـ	12- 10	

Figure (3)