

13.3.5 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.

Once within the PUN objectives are: the provision of quality academic programs, providing students with the necessary professional skills, the strengthening the capabilities and improving the quality of PNU human resources, the university have collaborations with government/NGOs for the sake of improving and promote the SDGs through conferences and cross-sectoral dialogues.

Thu, Princess Norah Bint Abdulrahman University has many collaborations with the governmental and non-governmental sectors which has cooperated with in training and cooperation in research and joint studies of health colleges.

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 عبد الرحمن (P.N.U.) وكالة الدراسات والبحوث العليا والتميز العلمي | | الأنشطة والبرامج لكراسي البحث | | | | | الاسم (عربي، إنجليزي، فرنسي) Research Chairs |
|---|------------|---|-----------------|-------------------------------|-----------------|-----------------|---|--|--|
| مؤرخة من القضايا والبحوث التي تم إنجازها | سنة الصفاة | البرج الصفاة | المنظر البحر | المنظر البحر | المنظر البحر | المنظر البحر | المنظر البحر | | |
| PDF | | | | | | | كرسي ابحاث ابناء الطفل Children's Literature Research Chair | | |
| PDF | | | | | | | كرسي ابحاث ابحاث الطب والتغذية كرسي ابحاث Chair of cardiovascular research in women | | |
| ملف ابحاث البحر البحر https://www.pnu.edu.sa/FBU/ef-9CNIH | 12- 10 | 2 / 1440هـ | ✓ | ✓ | ✓ | ✓ | كرسي ابحاث Environmental pollution Research Chair | | |
| | 12- 10 | 1440/1/8هـ | ✓ | ✓ | ✓ | ✓ | كرسي ابحاث دراسة ابحاث من ابحاث ابحاث البحر البحر | | |

نموذج الأنشطة والبرامج لكراسي البحث - رقم (012505-F29)

Figure (1)



| | | | | | | | |
|--------|------------------|---|---|---|------|--|--------------|
| 12- 10 | 1,23 1440 | ✓ | ✓ | ✓ | عامة | تطوير الفكر والبحث العلمي واستخدامه في العملية التعليمية بالاعتماد على التقنية الحديثة | دورة تدريبية |
| 12- 8 | 1,27 1440 | ✓ | ✓ | ✓ | عامة | خطوات إرشادية في إعداد البحث العلمي | دورة تدريبية |
| 12- 8 | 1440/1,8 عامة | ✓ | ✓ | ✓ | عامة | حصة نظرية لتفعيل اليوم العلمي لطبقة الأولاد | حصة نظرية |
| 12- 8 | 1,29 1440 | ✓ | ✓ | ✓ | عامة | الزاد للتعلم استخداما وأدائها وإثباتها بالتعاون مع وحدة خدمة المجتمع في قسم التدريب | دورة تدريبية |
| 12- 10 | 2,13 1440 | ✓ | ✓ | ✓ | عامة | التعاملات الكمبيوترية المتكاملة مع العاصر التربية في تدريسها | ورشة عمل |
| 10- 9 | 2,21 1440 | ✓ | ✓ | ✓ | عامة | لتحسين العاصر العلمية في بعض التخصصات التدريب | حصة نظرية |
| 12- 10 | 2,29 1440 | ✓ | ✓ | ✓ | عامة | الإبداع والابتكار | دورة تدريبية |
| 12- 10 | 1440/3,6 عامة | ✓ | ✓ | ✓ | عامة | أهمية التعاون في القضاء على الفجوة العلمية | دورة تدريبية |

نموذج الأنشطة والبرامج لكراسي البحث - رقم (012505-F29)

Figure (2)

<https://www.dropbox.com/s/oedixq527vqojqv/Health%20Affairs%20partnerships.pdf?dl=0>

| The governmental and non-governmental sectors that are cooperated with in trainings and cooperation in research and joint studies of health ..colleges | | | |
|--|---|--|--|
| The beneficiary | Contracting authority | Agreement type | Agreement |
| | University - research institution - others (non-university) | Research, services, etc. | |
| College of Health and Rehabilitation Sciences / Nursing | Agency working in the medical field | Female training | Dr. Sulaiman Al-Hakki Medical Services Group Company |
| Nursing - Health Sciences and Rehabilitation | Private hospital | Female training | Training agreement between the Health Affairs Agency and Al-Waha Hospital |
| College of Health and Rehabilitation Sciences | Center working in the human medical field | Female training | Cooperation Agreement with the Qudr Center for Hearing and Speech Therapy |
| All health colleges | A company working in the human medical field | Training female students to cooperate in research and joint studies and benefit from scientific and medical competencies | Cooperation Agreement between the National Medical Care Company and Princess Nora University |
| College of Health and Rehabilitation Sciences | Governmental institution of the Ministry of Education | Training students and provide lectures and courses | An agreement with the Ministry of Education - Special Education |



Figure (3)

