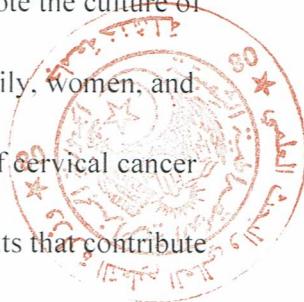


03-03-02

Does your university, as an institution, offer community outreach programs and projects (which may include student volunteer programs) to improve or promote health and well-being, including hygiene, nutrition, family planning, sports and exercise, healthy aging, and other health-related topics?

Yes, Abbas Laghrour University of Khenchela offers a variety of awareness programs and community projects aimed at promoting health and well-being in different aspects. These activities include:

- Health awareness campaigns on the prevention of chronic diseases such as diabetes.
- Blood donation programs in cooperation with local health institutions.
- Various sports activities such as football, tennis, and chess to promote the culture of physical and mental health through sports.
- Awareness lectures and workshops addressing issues related to family, women, and childhood.
- Health awareness programs on the prevention and early detection of cervical cancer and other diseases affecting women.
- Research projects, academic publications, and research group outputs that contribute to improving public health and developing healthcare services.



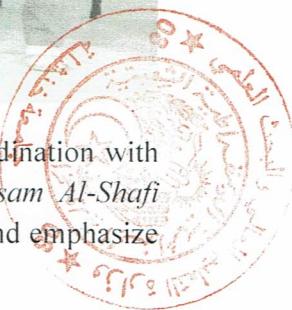


Photos: Awareness day on diabetes organized in collaboration with *Balsam Al-Shafi Clinic*, aimed at raising awareness among the university community about the dangers of this disease and ways to prevent it.



Photos: World Diabetes Day organized by the *Ibn Sina Scientific Club* in coordination with the *Faculty of Natural and Life Sciences* and in collaboration with the *Balsam Al-Shafi Diagnostic Center*. The awareness activity aimed to promote health education and emphasize the importance of preventing this disease.

<https://www.facebook.com/100075915758628/posts/pfbid02KsB3Fwtsj3J2nWs5RdBxJj4qEPsCTp37YVreH4CYRXR6PhL8pxgBoEewp3C2MkXEI/?app=fbl>







Photos: Breast cancer awareness day organized at the *Faculty of Medicine Annex* by the *Med Inspire Club*, alongside the *Subdirectorate of Scientific, Cultural, and Sports Activities* and the *Preventive Medicine Unit* at Abbas Laghrour University of Khenchela, in coordination with *Balsam Al-Shafi Clinic*. The afternoon session included a radiographic screening and diagnostic campaign supervised by female doctors and midwives, aimed at university female staff.

<https://www.facebook.com/100075915758628/posts/pfbid02dnJpeLCTAVZNLsqh78uuFCD5s3DHv5SAqYz1Nmq6mvYHeybYmSjED8GvqADRSjHil/?app=fbl>



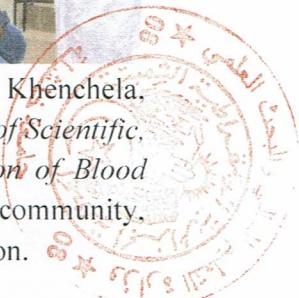
اليوم العلمي التحسيسي في طبعة الثالث <https://www.univ-khenchela.dz/>

Photos: Third edition of the Scientific Awareness Day on the importance of early detection of breast and cervical cancer, organized by the *Faculty of Natural and Life Sciences* through the “*Water, Health, Environment*” Biotechnology Laboratory, in coordination with the *National Organization of Algerian Midwives – Khenchela Branch*.





Photos: Blood donation campaign organized by Abbas Laghrour University of Khencela, under the supervision of the University President and through the *Subdirector of Scientific, Cultural, and Sports Activities*, in collaboration with the *Provincial Association of Blood Donors of Khencela*. The campaign saw wide participation from the university community, fostering values of solidarity, initiative, and promoting the culture of blood donation.



<https://www.facebook.com/100075915758628/posts/pfbid03cUpm4evwyoyNi1BMNkVsA3VPsfsgbgEm85VinxdMzfBEYiCZ1qPaAYqKKgSaBl/?app=fbl>

اتفاقية تعاون علمي



اتفاقية تعاون علمي بين مركز البحوث والدراسات والآدلة وطريق حرب الأسر، ومركز الأصوات، ووحدة ن Denis

شكل التعاون:

1.تبادل الخبرات والمعلومات:

- تبادل الخبرات والخبرة وال المعلومات في مجالات الأسرة والجنس والطفولة
- تبادل المعلومات العلمية وخبرات الدراسات

2. البحث العلمي والاكاديمي:

- إعداد بروتوكول وبيانات مشتركة حول موضوعات محددة في مجال الأسرة والجنس والطفولة
- تنظيم المؤتمرات واللقاءات العلمية المشتركة
- إقامة برامج وورشات عمل حول الموضوعات العلمية للأسرة والجنس والطفولة

3. التأهيل والتكوين:

- إقامة سلسلة لقاءات وورشات الدراسات (دورات تدريبية) لتأهيل وتنمية الأسرة والجنس والطفولة
- إقامة برامج تدريبية وتأهيلية
- تبادل تجارب التأهيل والتدريب

4. نشر الوعي والاعادة:

- إعداد وسائل الاعلام والنشر والتوزيع حول الأسرة والجنس والطفولة
- إقامة ملتقى إعلامي وفكري حول الأسرة والجنس والطفولة
- تبادل وتوسيع المنشآت العلمية لبيانات الأسرة والجنس والطفولة

5. المشاركة في المنشآت:

- تبادل ملتقى تكويني ونشطة مشتركة
- المشاركة في المنشآت العلمية وتقديم الورشات المشتركة
- المشاركة في المنشآت العلمية من خلال تبادل الخبرات

6. تبادل الخبر والخبر:

- تبادل ملتقى وورشات مشتركة
- ورقة تجربة في المنشآت العلمية وتقديم الورشات المشتركة
- تبادل المنشآت العلمية من خلال تبادل الخبرات



Photo: Scientific cooperation agreement between Khenchela University and the National Center for Studies, Information, and Documentation on Family, Women, and Childhood.

<https://univ-khenchela.com/explore/articles.php?article=1868>

PRFU Research Projects

♦ Studies in Public Health

These studies focus on analyzing health indicators in the community, such as rates of chronic diseases, dietary patterns, and access to healthcare services. They aim to understand local health challenges and provide evidence-based scientific recommendations to improve health policies.

♦ PRFU Research Project: The Food Security Dilemma and Challenges of Economic Progress in Algeria

This research project, titled “The Food Security Dilemma and Challenges of Economic Progress in Algeria”, aims to study the risks, opportunities, and challenges related to food security in Algeria amid a global context marked by escalating crises.

- Theoretical objectives: Understanding the geopolitical dynamics of global crises and their impact on food security through analysis of Algeria's economic structure and its potential for investment openness instead of reliance on rent.
- Research framework: Develop a new research framework reflecting Algeria's geopolitical position and enhancing national security.
- Practical objectives: Link scientific research to the national vision for food security development, study the effects of global crises on this vital sector, and raise public awareness of economic challenges and opportunities related to food security. The project contributes to sustainable development and strengthens the competitiveness of the national economy.

◆ Research in Preventive Healthcare

These studies aim to evaluate the effectiveness of health awareness and education programs, such as vaccination campaigns and early disease detection, and explore ways to encourage healthy behaviors among individuals to help reduce disease prevalence.

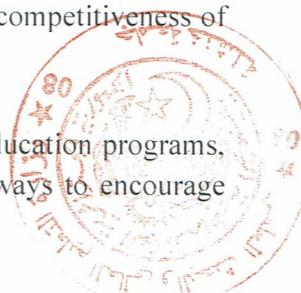
◆ Projects for Developing Healthcare Services

These projects focus on improving the quality of healthcare services in medical institutions, including evaluating healthcare practices and developing new service delivery models such as telehealth, which facilitates access to treatment for patients in remote areas.

Faculty Publications

Faculty members publish their research in local medical journals, including publications from the "Biotechnology, Water, Environment, and Health" Laboratory, established by Ministerial Decree No. 872 dated October 1, 2018. These publications help disseminate medical knowledge and promote healthy practices. The studies address key health issues in the community and raise awareness about the importance of public health, including:

- Investigating various detoxification genes to understand the molecular basis of interactions between environment, genetics, and cancer.
- Studying the impact of environmental factors (environmental and occupational pollution) on susceptibility to multi-causal cancers.
- Exploring medicinal plants for bioactive molecules and evaluating their cytotoxic effects on cancer cell lines.
- Studying major agricultural crops in terms of bioactive molecule content and their effects on cancer cells.
- Valorization and conservation of biogeographical resources.
- Water, environment, and climate change.
- Biological and nutritional valorization of plant and animal resources.
- Environmental biotechnology and microbiology: isolating and selecting microbial strains (bacteria, fungi, algae) that produce bioactive molecules, and exploring the use of microorganisms and their metabolites (primary and secondary) in agriculture, animal nutrition, environmental applications, and therapy. These studies also investigate molecular mechanisms of microbial resistance to antimicrobial agents.
- Sustainable management of groundwater and surface water resources.
- Sustainable soil management and conservation.
- Management of natural hazards related to water and soil, especially erosion and floods.



- Management of ecosystems primarily dependent on water and soil.

<https://univ-khenchela.com/%D9%85%D8%A8%D8%A8%D8%B1-%D8%A7%D9%84%D8%A8%D9%8A%D9%88%D8%AA%D9%83%D9%86%D9%84%D9%88%D8%AC%D9%8A%D8%A7%D8%8C-%D8%A7%D9%84%D9%85%D8%A7%D8%A1%D8%8C-%D8%A7%D9%84%D9%85%D8%AD%D9%8A%D8%B7%D8%8C-%D9%88-%D8%A7%D9%84%D8%B5%D8%AD%D8%A9-244>

International Studies in Public Health:

These studies include comparisons between healthcare systems in different countries, providing valuable insights into the successes and challenges faced by each system. This research contributes to the exchange of global knowledge and expertise, supporting the improvement of health policies.

Scientific Papers on Health Development:

These studies discuss modern trends in healthcare and technological advancements, such as the use of artificial intelligence in diagnosis and treatment. The research aims to enhance understanding of ways to improve healthcare quality through innovation.

Among these studies is a paper by Professors **Kholoud Qlash** and **Samia Bouhafs** titled:

"The Emergence of e-Health as a Mechanism to Combat Coronavirus in Algeria."

<https://www.asjp.cerist.dz/en/downArticle/183/17/1/188868>



Research Team Outputs

Reports on Healthcare Programs:

Research teams prepare detailed reports on various healthcare programs, including evaluations of their effectiveness and impact on the community. These reports help guide health policies and identify areas that require improvement.

Among these outputs is a paper by Professors Kholoud Qlash and Samia Bouhafs titled:

"The Emergence of e-Health as a Mechanism to Combat Coronavirus in Algeria."

<https://www.asjp.cerist.dz/en/article/188868>

There is also a paper by Professor **Zouida Sharafeddine** titled:

"Digitalization in Public Health Institutions: A Case Study of the Public Health Institution in Qais Municipality, Khenchela Province."

<https://univ-khenchela.com/explore/articles.php?article=939>

Studies on Mental Health:

These studies focus on analyzing issues related to mental health, such as depression and anxiety. They aim to understand the factors affecting mental health and to provide strategies for early intervention and psychological support.

Research on Quality of Life:

These studies evaluate the social and economic factors that influence quality of life, including environmental and psychological aspects. They aim to provide recommendations to improve living standards in the community, thereby enhancing overall well-being.

Among these studies is **Research Team No. 5: Innovative Materials for Environment, Health, and Storage**, whose research areas include:

- Application of modern biological techniques (plant biotechnology, resource management).

- Improving quality and increasing productivity in food, agricultural, and industrial sectors.
- Conservation of biodiversity and its sustainable use to address biotic and abiotic pressures.

Additionally, the university regularly participates in numerous sports events at both local and national levels.



Photos: Football match between Professor Abdelwahid Challa, University President, and Professor Belkacem Habba, holder of 1,500 patents in the field of technology.

<https://www.facebook.com/100075915758628/posts/pfbid0vB6JoypWyrxBYdMqug7DHgYkdYS4vbtNN8V92eZeGVYDaRnFnKFQa8FtzQRbQCyql/?app=fbl>



Photos: Final of the *Martyr Abbas Laghrour University Cup* football tournament, supervised by the University President, Professor Abdelwahid Challa.



Photos: Final of the *Martyr Abbas Laghrour University Cup* for university students, organized by Abbas Laghrour University under the supervision of the University President, Professor Abdelwahid Challa

<https://www.facebook.com/100075915758628/posts/pfbid076BeQ4vCAvnqCfa2cJWw2SBKsSGmzTnukmqib5CwdgCQKe6fPHZyHJ1MjQ7RXDmSl/?app=fbl>



Photos: Tennis activity held on the occasion of *Science Day* on April 16 each year, supervised by the *Subdirectorate of Scientific, Cultural, and Sports Activities* at Khenchela University. Organized by the *Faculty of Natural and Life Sciences*, Cultural, Scientific, and Sports Activities Department, in coordination with the *Ibn Sina Scientific Club* and the *Green Aurès Scientific Club*.

<https://www.facebook.com/100075915758628/posts/pfbid02QvHyGfxsdTVeueSqu6fGh3rMpEiELFqX53BGBM6zVdd8NwoK149H7yBkELS4ZDWyl/?app=fbl>