

## IV. Activities Related to SDGs

### Activities of SDG 1 :

- The **faculty of Tourism and Hotel Management** organized a **humanitarian convoy** to deliver blankets to some of the needy families in Abdel Qader District families. This convoy was launched on Tuesday, **17 December 2019** in cooperation with the Social Activities Committee affiliated to the Student Activities Department and Elestkrar Charity. After studying each family's situation, the students bought 90 blankets and distributed them to the needy families to alleviate their burden.



<https://www.pua.edu.eg/pua-humanitarian-convoy/>

- **The Student Activities Department** organized a humanitarian aid convoy on **24/1/2020** to deliver blankets to Abees District in Alexandria. The organization of this convoy was managed in coordination with the Ministry of Social Solidarity and Alexandria Governorate. It is worth mentioning that a large number of students from **different faculties** participated in this convoy. In addition to that, the convoy was accompanied by supervisors from the Security and Student Activities departments, Prof. Hesham El Shimy, the Student Activities Leader and Prof. Ramadan Abo El Ala, the PUA Vice President. Moreover, Dr. Jackline Azar, the Deputy Governor of Alexandria was keen to participate and follow up the proceedings of this convoy where she expressed her admiration for the university's activities in the field of community service and the students' behavior.

<https://www.pua.edu.eg/pharos-university-sent-a-humanitarian-aid-convoy-to-abees-district-in-alexandria/>



- The **Student Activities Department** organized **five humanitarian aid convoys** to deliver blankets to the needy areas in both the east and west of Alexandria. These convoys were launched on **6 and 8 February 2020**, in coordination with a number of public charity organizations, including Rowad Elkheir, Elmotadaroon, Mojeeb Elsaleen which located in Rabaa Elnasriya, Abees neighbourhood as well as Elestkrar and Abdelkader charities located in Toshka, Alamreya neighbourhood.



It is worth mentioning that a large number of students from different faculties participated in these convoys. The coordination of these convoys was managed by both the personnel of the Student Activities Department and Prof. Ramadan Abu El-Ala, the Vice President of Community Service and Environment Development Affairs.

<https://www.pua.edu.eg/pua-sent-aid-convoys-to-the-needy-in-eastern-and-western-areas-of-alexandria/>

- In the light of the **Student Activities Plan** set for the academic year 2019-2020, **Dream Team, one of the PUA student-led clubs**, organized a **humanitarian aid convoy** to deliver blankets to one of the needy areas in Alexandria. This was held on Friday, **20 December 2019**. The coordination of the convoy was managed in collaboration with Tarek El Kheir Charity. Before sending the convoy, the PUA students made a survey about the socio-economic status of the residents. Based on the findings of this survey, blankets were distributed among widows and orphans of the needy families.



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<https://www.pua.edu.eg/dream-team-organized-a-humanitarian-aid-convoy-2/>

The Faculty of Pharmacy held its **Charity Market day** under the auspices of the Student Activities Department, on Tuesday 16/4/2019 at the entrance foyer of the faculty. The activity included distributing goods in low prices for the most needed community dwellers.

### **Activities of SDG 3**

- The faculty of Pharmacy has established a specialized center for international publication consultation and nanotechnology in 2019. Since its opening, the center carried out about 200 research consultation including electronic ones. The manager of the center has signed 7 international MOUs for international publication, one of which

is already published in the highest 5% ranked journals according to JCR. The MOUs are with:

- Laboratory for Molecular Design of Pharmaceuticals, Faculty of Pharmaceutical Sciences,
- Hokkaido University Japan
- Department of Internal Medicine and Medical Specialties, University of Genoa, Genoa, Italy
- Department of pharmaceuticals; faculty of pharmacy; Damanhur University
- Department of pharmaceuticals; Alexandria university
- <https://www.pua.edu.eg/continuing-education/international-publication-nanotechnology-consultation-center-incc/>

- PUA-Faculty of Pharmacy participates in the alliance with a subproject entitled “Galanthamine / Chitosan Complex Nanoparticles: Form Bench to Bedside”. The current project aims at conducting a complete pharmacokinetic/pharmacodynamic study in Alzheimer’s disease animal model; which should be the starting point of transforming this prototype nanoparticle system from bench to bedside, offering better patient compliance, therapeutic outcomes, and decreased galantamine dose; thus lower production cost.

<https://www.pua.edu.eg/continuing-education/international-publication-nanotechnology-consultation-center-incc/>

- The Nutrition Department at the *Faculty of Allied Medical Sciences* launched “Healthy Campus Initiative” on Tuesday, 9 April, 2019. This initiative aimed at highlighting the profound impact of nutritional knowledge in eradicating health illiteracy. According to the findings of the researches conducted last year which showed low health and nutrition literacy, the main objective of this study is to raise the students’ nutritional and health awareness through informing the students the basic nutrients, their sources and functions as well as promoting conscious eating habits by using models of dietary guidance systems and healthy eating; traffic light system and healthy eating pyramid.

<https://www.pua.edu.eg/the-faculty-of-allied-medical-sciences-launched-a-healthy-campus-initiative/>


- The Faculty of Pharmacy held an awareness campaign on Blood pressure and heart diseases, and Osteoporosis among students of Pharos University on 5/3/2019, 22/11/2019 and 30/11/2019 respectively. Blood pressure and Blood sugar levels were measured during the campaign and used to serve the awareness activity.

<https://www.pua.edu.eg/the-faculty-of-allied-medical-sciences-launched-a-healthy-campus-initiative/>

- The Faculty of Pharmacy has established a project entitled : Integrated Pharmaceutical Alliance (IPA); towards production of technology based Egyptian Pharmaceutical products. The alliance is funded by the Academy of Scientific Research and Technology under the Egypt Research and Technology Alliances (EG-KTA) Program. Its general objective is the integration of pharmaceutical industry with academia, public sectors and Non-Governmental Organization (NGO) to deepen local manufacturing in pharmaceutical industries and increase its competitiveness.



Integrated Pharmaceutical Alliance

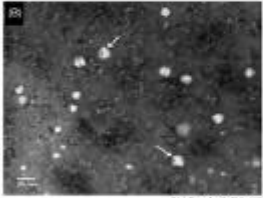
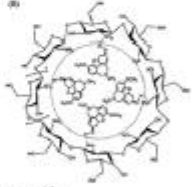


### 4- Pharos University in Alexandria (PUA)


Pharos University (PUA)  
Faculty of Pharmacy & Drug Manufacturing  
www.pua.edu.eg/ | info@pharos.edu.eg/ | 1912

**Dr. Maged El Ghazouly,**  
Dean & Prof. of Pharmacognosy, Faculty of Pharmacy  
maged.elghazouly@puu.edu.eg  
+20 1001708666

- Production of Galantamine/ chitosan complex Nanoparticles

GII-headed CD6-NF2 nanoparticles (Pharos)








ACKNOWLEDGMENT:  
 The alliance is funded by the Academy of Scientific Research and Technology under the "Egypt Research and Technology Missions (EG-RTM) Program"






The alliance constitutes from different partners;

- 4 academic partners : German university( GUC), Pharos University in Alexandria (PUA) National Research Center (NRC), Arab Academy of Science, Technology and Martinme
  - 5 industrial partners : (El-Nasr, Memphis, Health Tech & ATOS),
  - 2 from public sectors
  - (NODCAR & Vaccera) and one NGO (Misr el Kheir)
- PUA-Faculty of Pharmacy participates in the alliance with a subproject entitled "Galanthamine / Chitosan Complex Nanoparticles: Form Bench to Bedside". The current project aims at conducting a complete pharmacokinetic/pharmacodynamic study in Alzheimer's disease animal model; which should be the starting point of transforming this prototype nanoparticle system from bench to bedside, offering better patient compliance, therapeutic outcomes, and decreased galantamine dose; thus lower production cost.
  - The faculty of Dentistry sent an aid convoy teemed with dental personnel and supplies, to Al Hadayah Nursing Home on Wednesday, 26 February 2020. The PUA dental staff examined



more than 100 male and female patients of the residents of the nursing home and provided them with free of charge treatment. The PUA dentists also gave the residents some tips of how to take care of their teeth. They also gave them toothpastes and tooth brushes as gifts from the faculty of Dentistry.

<https://www.pua.edu.eg/a-medical-aid-convoy-to-al-hadayah-nursing-home/>

- The faculty of Pharmacy and Drug Manufacturing launched a campaign to raise awareness about vitamin D on Tuesday, 10 December 2019 in the foyer of the faculty. This was held in cooperation with the faculty scientific committee. During the campaign, a number of leaflets that had many information about Vitamin D and its importance, were distributed. A group of the faculty students also introduced the faculty administrative staff and students of different faculties to the importance of Vitamin D, how to monitor its level in the body, the symptoms of its deficiency and the risks of increasing in its level in the body.

<https://www.pua.edu.eg/why-do-you-need-vitamin-d/>

- The faculty of Pharmacy and Drug Manufacturing organized a field trip to El Miri Hospital for the fourth-year students. The aim of the trip was to introduce the students to the clinical pharmacy applications in the hospital. The students visited the oncology department where chemotherapy drugs are prepared for patients, the radiotherapy department, the dialysis unit and the Total Parenteral Nutrition (TPN) Unit. The supervisors of these departments explained the role of hospital pharmacist in different departments and the procedures followed to ensure the quality of pharmacy services as well as the preventive measures to ensure occupational health in different departments.

<https://www.pua.edu.eg/a-field-trip-to-el-miri-hospital/>

- The faculty of Physical Therapy organized a trip to the National Institute of Neuromotor System on Thursday, 19 December 2019. The trip aimed to provide the students with the opportunity to identify different cases of mobility impairment, how to treat and follow them up. Firstly, the students took a tour in the institute to visit the neurological rehabilitation unit, the orthopedic unit and the pediatrics unit. Then, they went to the physical therapy building and visited the hydrotherapy department; a section which the institute is distinguished by all over Egypt. At the end of this tour, the students were introduced to the Splints and Artificial Limbs Factory and their different manufacturing phases.

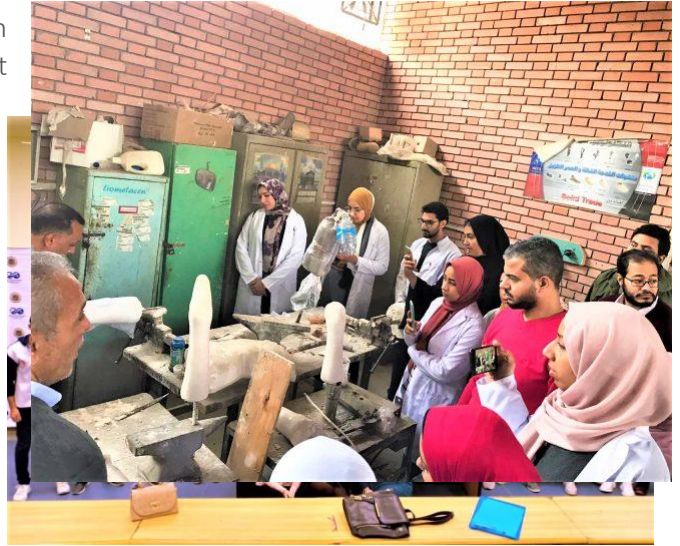
<https://www.pua.edu.eg/a-trip-to-the-national-institute-of-neuromotor-system/>





- The faculty of Physical Therapy, in cooperation with Sonaa Al-Hayat student club, organized a visit to Mohamed Ragab Nursing Home on Tuesday, 10 December 2019. The students spent quality time with the residents and did many activities with them. At the end of the visit, the students distributed gifts, including mus'hafs, rosaries and decorated colored cups.

<https://www.pua.edu.eg/a-visit-to-mohamed-ragab-nursing-home/>



- The Faculty of Applied Health Sciences Technology organized a field trip for the students of the third and fourth year classes to El Shatby University Hospital for Children. This was held on Wednesday, 26 February 2020. During the visit, Associate Prof. Maha Youssef, the Head of the Hematology Unit escorted the delegation in a tour around the hospital different departments, including the Endocrinology Department, the Gastroenterology Department, the Hematology Department, the Dialysis Unit and the Reception. At the end of the visit, the delegation visited the university blood bank where the students were acquainted with the blood transfusion process, the apheresis technology and the apparatus used in it.

<https://www.pua.edu.eg/a-field-trip-to-el-shatby-university-hospital-for-children/>



- The Faculty of Applied Health Sciences Technology organized a campaign to raise the awareness of the faculty students about vitamin (D) deficiency on Tuesday, 10 March 2020. The campaign shed light on the importance of vitamin (D), its nutritional sources, the causes of its deficiency and deficiency tests. During the campaign, food and drinks rich with vitamin (D) were distributed.

<https://www.pua.edu.eg/raising-awareness-of-vitamin-d-deficiency/>

- The faculty of Tourism and Hotel Management made a video in Spanish for giving moral support to coronavirus patients in Egypt and Spain and urging them to stay home. A session was held on Saturday, 25 April 2020 to display the video which is considered a practical application of the course of "Spanish as a Second Language".

<https://www.pua.edu.eg/a-video-for-supporting-coronavirus-patients-in-egypt-and-spain/>

Video link:

[https://www.youtube.com/watch?reload=9&v=02Uz\\_tHuHs&feature=emb\\_title](https://www.youtube.com/watch?reload=9&v=02Uz_tHuHs&feature=emb_title)

- The faculty of mass communication produces a short film on a film called "Devetsia" demonstrating the environmental resources on land, water

resources, desert ecosystem services regarding natural health treatments, and ecotourism in sustainable cities.

- <https://www.youtube.com/watch?v=sQrc2ufKFC4&list=PLsZ1HNIwxSAPBp9Ff74mHK1NbRVLCp-52&index=2>

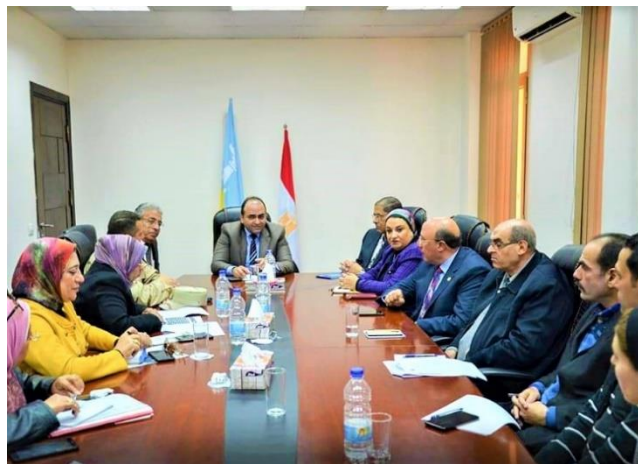
### **Activities of SDG 6:**

On Tuesday 26 November 2019, the faculty of Engineering organized a symposium on “Safe disposal of sewage water and its impact and environmental protection”. The symposium addressed the challenges facing Alexandria governorate and the stages of safe disposal of sewage water and its sources, whether from agricultural drainage, industrial drainage, or human drainage. The symposium also addressed the modern methods currently used to reuse that water and potential extracts such as fertilizers and road asphalt



### **Activities of SDG 7:**

- The Petrochemical Engineering Department (Faculty of Engineering), in cooperation with the PUA student chapter of the Society of Petroleum Engineers (SPE) at the Faculty of Engineering, held a symposium about the future of petrochemicals and chemical engineering on Tuesday, 10 March 2020. The symposium was given by Eng. Karim Ezzat, the Head of the Chemical Engineering Department at the Syndicate of Engineers in Alexandria. Many important topics were discussed in the symposium, including:
  - The relationship between petrochemical engineering and chemical engineering.
  - Job opportunities in the field of petrochemical engineering.
  - The syndicate’s services for students.
  - The considerable value of field training for the engineering student.



<https://www.pua.edu.eg/the-future-of-petrochemicals-and-chemical-engineering/>

### **Activities of SDG 10:**

- The faculty of Mass Communication, organized a celebration for orphans on Wednesday, 18 December 2019 under the name of “Yalla Nsaed” (Let’s Help Each Other). The event started with playing DJ music, then the children played various games with their favorite cartoon character toys and received food and sweets. The event ended by distributing



gifts among the orphans who were very eager to continue dancing with before leaving the faculty.

<https://www.pua.edu.eg/yalla-nsaaed/>

- The faculty of mass communication produces a short film on deafness and hearing impairment “Do Understand ME” which addresses different activities of persons with disabilities and how to include them day to day living conditions.

<https://www.youtube.com/watch?v=HwoLx5Q3gvE&list=PLsZ1HNiwxSAPBp9Ff74mHK1NbRVLCp-52&index=8>

### **Activities of SDG 11:**

- **The Community Service and Environment Development Affairs and the Community Service and Environmental Development Centre (CSED), Pharos University participated in a meeting about the “Live Green” initiative. The meeting was held in Alexandria Governorate Office on Wednesday, 12 February 2020.** The meeting aimed to discuss the mechanisms to apply the “Live Green” initiative launched by the President of Egypt to raise environmental awareness in Alexandria. The importance of the consultative role of Pharos University which came within the framework of the government keenness to achieve cooperation and integration by taking advantage of the experiences of the scientific bodies in Alexandria and working hand in hand for the benefit of the governorate was stressed. A study on “Harmonic Mechanisms for Treating all Types of Wastewater to Irrigate a Sustainable Green Belt to Protect the Vicinity of Lake Mariout.” Was presented by CSED representative. It is worth mentioning that the study impressed all the attendees and it was stressed upon the need for adopting that study by the governorate and other authorities at the local and central levels.

<https://www.pua.edu.eg/pharos-contributions-in-the-live-green-presidential-initiative/>

- The faculty of mass communication produces a short film on a film on Ecotourism on the culture and heritage of villages in upper Egypt and called “Fedalos Anay” or “We Welcome you” . The film addresses the life of these small villages that were drowned under water before and currently after saving it is sustainable. The film also covers the traditional knowledge particularly for women and its role in he day to day life.

- <https://www.youtube.com/watch?v=D6HwJvQK-Uk&list=PLsZ1HNiwxSAPBp9Ff74mHK1NbRVLCp-52&index=11>

- On 22 October 2019, staff and students of the faculty of engineering had a field visit to Transport and Engineering company to explore the sustainable use of raw materials e.g. oils, strands, reuse of water and they had a presentation on the standard procedures and methodologies for testing the materials used in this industry



### **Activities of SDG 12:**

- The university has a mechanism for handling solid wastes and hazardous substances. This is carried out according to the instructions of the maintenance department at the university and the university technicians. The directory of environmental affairs at the university takes the responsibility of supplying all the material



needed for handling the wastes, e.g.. gloves, masks, gowns, as well special safety boxes (red in color) , where all the sharp materials are disposed. The experimental animal remains are collected in special bags and placed in a refrigerator till collected. The process of disposal starts by separating the wastes in place, and placing them in the boxes identified till the collection stage and final disposal

- The university has signed two binding contracts with specialized companies to deal with the hazardous wastes includes wastes form labs and clinics. These companies were selected according to their environmental portfolio that ensure sustainability ongoing practices. A copy of these contracts are in Appendix 1
- All the procedures of disposing solid and liquid wastes are registered in the annual Environmental university portfolio that identify the number of employees, the number of faculties and departments, the number of clinics, types of wastes and date production and collection. This portfolio is registered at the university for internal use, and at the governorate of Alexandria for assessments and monitoring. (Appendix 2)

### **Activities of SDG 13:**

- In 2019, the staff members of the Faculty of Applied Medical Science Technology participated in an international workshop on “ Air Pollution” in coordination with UNESCO and Alexandria Governorate.
- The faculty of mass communication produces a short film on a film called “ Devetsia” demonstrating the environmental resources on land, water resources, desert ecosystem services regarding natural heath treatments, and ecotourism in sustainable cities.

<https://www.youtube.com/watch?v=sQrc2ufKFC4&list=PLsZ1HNiwxSAPBp9Ff74mHK1NbRVLCp-52&index=2>

### **Activities of SDG 14:**

Although The topic “life below water” is beyond the interest of Pharous University, The faculty of mass communication produces a short film on a film on Ecotourism and the culture and heritage of villages in upper Egypt. This film is called “Fedalos Anay” or “We Welcome you” . The film addresses the life of these small villages that were droned under water before and currently these villages are saved and sustainable. The film also covers the traditional knowledge particularly for women and its role in day life. These villages after saving are not affected be being previously under water. All infrastructure is retained and sustained.

<dhttps://www.youtube.com/watch?v=D6HwJvQK-Uk&list=PLsZ1HNiwxSAPBp9Ff74mHK1NbRVLCp-52&index=11>

### **Activities of SDG 15:**

The faculty of mass communication produces a short film on a film called “ Devetsia” demonstrating the environmental resources on land, water resources, desert ecosystem services regarding natural heath treatments, and ecotourism in sustainable cities.

<https://www.youtube.com/watch?v=sQrc2ufKFC4&list=PLsZ1HNiwxSAPBp9Ff74mHK1NbRVLCp-52&index=2>

