



NEWSLETTER

DUBAI PHARMACY COLLEGE FOR GIRLS

DEC/23

52nd UAE National Day



PROFESSOR KHAN HAS RESIGNED

DEAR PROF. SAEED AHMED KHAN

Throughout our journey at DPCG, your leadership has been the lighthouse that guided us through the turbulent seas of academia.

Your dedication to fostering an environment of excellence, coupled with your unwavering support, has been the cornerstone of our collective growth.

Wishing you all the best as we say our goodbyes, and may the future hold continued success and happiness for you."

From DPCG Students

PROF. MIRZA'S INTERIM ACTING DEAN

PROFESSOR MIRZA HAS TAKEN ON THE ROLE OF INTERIM ACTING DEAN.

THIS INTERIM APPOINTMENT AIMS TO PROVIDE CONTINUITY IN LEADERSHIP.

As we extend a warm welcome to our new Acting Dean Dr. Mirza R. Baig, whose vision and dedication will undoubtedly enrich and inspire our academic journey.

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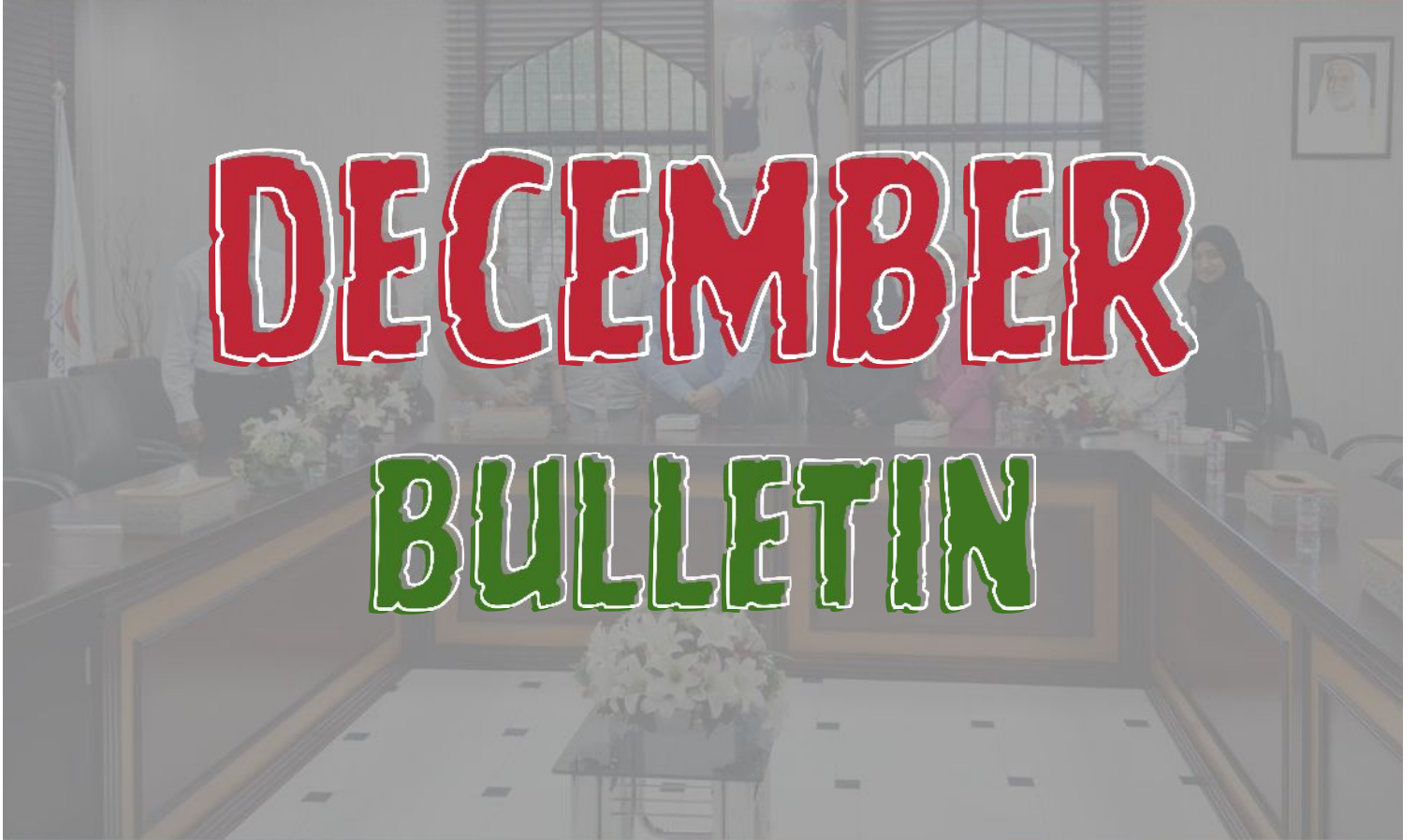
13 **A GLANCE AHEAD**





DECEMBER

BULLETIN



A GLIMMER OF HOPE FOR EFFECTIVE DRUG DELIVERY OF BUDESONIDE

We would like to congratulate Ms. Yasmein Yaser Salem ,
Dr. Rana Sammour, and Prof. Aliasgar Shahiwala
on their new publication !!



The article talks about a novel way to deliver Budesonide, which is a medication that's commonly used to treat Asthma and other Respiratory conditions.

Like any drug, Budesonide has drawbacks like poor solubility and susceptibility to degrade in the lungs. To overcome such drawbacks, Dr. Yasmein approached a new way to deliver the drug by using β -cyclodextrin-based nanosponges (β CD-NS).

These tiny sponges are designed to encapsulate budesonide molecules, protecting them from the harsh environment of the lungs and improving their solubility. This allows for sustained and controlled release of the drug over a longer period, potentially leading to better treatment outcomes for patients. The outcomes of the research show a promising new approach for the delivery of Budesonide. This research could contribute to improving for the lives of millions of patients in the future.

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International Journal of
Pharmaceutics
Volume 647, 25 November 2023, 123529

Preparation and evaluation of β -cyclodextrin-based nanosponges loaded with Budesonide for pulmonary delivery

Yasmein Yaser Salem^a, Gayleje Hatt^b, Rana M. Sammour^a, Fabrizio Calcegi^b, Claudio Ceccone^b, Adrián Vctencia^b, Aliasgar F. Shahiwala^a, Francesca Trota^b

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<https://doi.org/10.1016/j.ijpharm.2023.123529> Get rights and content

Abstract

Budesonide (BUD) is a glucocorticosteroid used to treat chronic obstructive pulmonary disease. Despite this, it is a hydrophobic compound with low bioavailability. To address these hurdles, non-toxic and biocompatible β -cyclodextrin-based nanosponges (β CD-NS) were attempted. BUD was loaded on five different β CD-NS at four different ratios. NS with 1,1'-carbonyldiimidazole (CDI) as a crosslinking agent, presented a higher encapsulation efficiency (~80%) of BUD at 1:3 BUD: β CD-NS ratio (BUD- β CD-NS). The optimized formulations were characterized by Fourier-transform infrared spectroscopy (FTIR), thermogravimetric analysis (TGA), water absorption capacity (WAC), scanning electron microscopy (SEM), X-ray powder diffraction studies

ACADEMIC UPDATE

DPCG 2 MPharm students who successfully defended their thesis on December 14, 2023. Ms. Hiba Ahmed thesis, Title: Physicians' and pharmacists' views and experiences regarding the use of direct oral anticoagulants in clinical practice, second student Ayesha Ejaz thesis, Title: Perception and Behaviors of Healthcare Professionals towards Drug-Drug Interactions. The supervisor was Dr. Doaa Kamal.



Ms. Hiba Ahmed Presentation

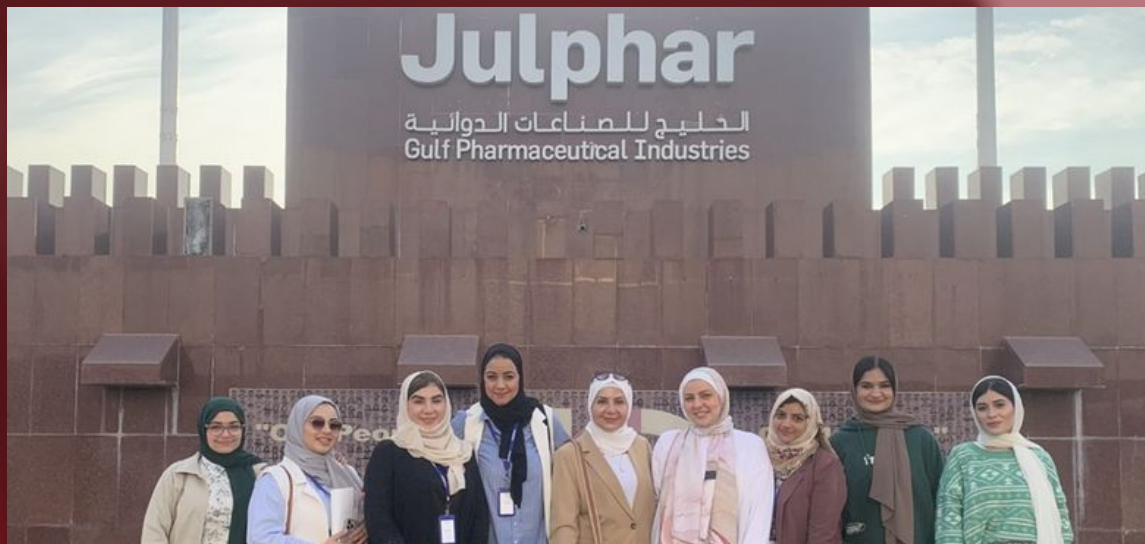


Ayesha Ejaz Presentation

INTR PROGRAM

Pharmaceutical Industrial Training in pharmacy education is rapidly gaining recognition as it enriches the undergraduate B Pharm curriculum and bridges theory to application. Due to this reason, industrial training is offered to the DPCG fourth-year students in the eighth semester in the drug manufacturing industries to get adequate experience in the field. The main aim of the training program is to expose students to various pharmaceutical processes, procedures, and regulations in the Research and Development, Production, Packaging, Quality Assurance, and Quality Control departments. At the end of the industrial pharmacy experience, the student will be able to : Works effectively with others as a member or leader of an interdisciplinary product development team. Develop and implement new strategies and challenges in the highly dynamic area of product formulation. Take the initiative to maintain the quality of pharmaceuticals and account for the overall operation of a pharmaceutical plant.

The fourth-year students successfully completed the training, achieving a high satisfaction rate and receiving positive feedback from both students and the industry.





EVENTS CORNER



COP28



The Student Union of DPCG organized an enlightening educational trip for students to attend various workshops and sessions at COP28 held in Expo City, UAE. With over 70,000 delegates, including heads of state, world leaders, NGOs, companies, and youth groups from 197 countries and the EU, COP28 served as a pivotal moment for the world to unite in tangible climate action.

This initiative was not just an event but a transformative experience for our students, aligning with the visionary stance of the United Arab Emirates.



#StudentUnion

NATIONAL DAY

The DPCG and DMCG came together to commemorate the 52nd UAE National Day with a jubilant celebration, sharing the joy of 52 years of excellence and glory. The event featured a captivating show that encompassed various elements, including heartfelt poem recitations, a showcase of Emirati fashion, and an engaging quiz show that tested participants' knowledge about the nation's history.



A unique exhibition highlighting the legacy of Sheikh Zayed was displayed, providing insight into the visionary leader's contributions. The celebration also embraced the rich flavors of UAE's traditional cuisine, offering a gastronomic delight for attendees.

To empower young entrepreneurs, a mini bazaar was set up, allowing them to showcase their businesses ranging from bakhoors, perfumes, and snacks to abayas. Skills like face painting and calligraphy were also on display, adding a creative touch to the festivities.

The event not only celebrated the nation's achievements but also became a heartfelt platform for community engagement, fostering a profound sense of pride and unity, beautifully capturing 52 years of UAE's excellence and unity.



#CommunityEngagement

A DAY AT SHARJAH SOCIAL CARE CENTER

A Day of Compassion at AL-Sharjah Social Care Center was truly special as our Community Engagement students, collaborating with Aberer Memory Cafe, spent meaningful time with the elderly residents. Together, they cultivated an atmosphere of genuine connection and empathy, going beyond a mere visit to create a shared experience of love and understanding. The day became a heartwarming testament to the power of compassion and community engagement in fostering connections that transcend generational boundaries.



FIRE SAFETY TRAINING

Firefighting and fire drill implemented as per requirement of MOE, for faculty and staff (Health & Safety). Provide comprehensive training sessions for faculty, staff, and wardens on fire safety protocols. Educate them about the proper use of firefighting equipment, evacuation procedures, and emergency response protocols. Conduct regular fire drills to familiarize everyone with evacuation routes and assembly points. Evaluate the effectiveness of evacuation procedures during drills and make improvements as needed. Establish and train emergency response teams within the faculty, staff, and warden groups. Clearly define roles and responsibilities for each member of the emergency response teams.





A

GLANCE

AHEAD

WAY FORWARD

HONORING EVENT



SEMESTER LEISURE TRIP



COFFEE AND SNACK MACHINE
FOR STUDENTS INITIATED,
COMING SOON .



MEET THE TEAM

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Fathima Nooha [Batch 31]

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Aisha Nasir Mahmood [B 31]

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Sheikha Shahid (B 32)

Toleen Waleed (B 32)