

NEWSLETTER

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DUBAI PHARMACY
COLLEGE FOR
GIRLS





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DEAN'S MESSAGE

We have officially turned the chapter to 2023,
and best of luck for the new academic
semester.

Prof. Saeed Ahmed Khan Dean, DPCG

RESEARCH CONTRIBUTION

New achievement by Prof. Dr. Bazigha K. Abdul Rasool and Dr. Hanan S. Anbar Congratulations on your recent publication in one of the most prestigious journals, the Pharmaceutical Department.



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Oral pioglitazone HCl-loaded solid lipid microparticles: Formulation design and bioactivity studies

Mona Hassan Rafiee¹, Bazigha K. Abdul Rasool^{2*}, Mohamed Haider^{3,4}, Hanan S. Anbar⁵

¹Pharmaceutics Department, Dubai Pharmacy College for Girls, Dubai, United Arab Emirates.

²Pharmaceutics Department, Dubai Pharmacy College for Girls, Dubai, United Arab Emirates.

³Department of Pharmaceutics and Pharmaceutical Technology, College of Pharmacy, University of Sharjah, Sharjah, United Arab Emirates.

⁴Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University, Cairo, Egypt.

⁵Department of Clinical Pharmacy & Pharmacotherapeutics, Dubai Pharmacy College for Girls, Muhaisnah-1 Al Mizhar, Dubai, United Arab Emirates.

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ABSTRACT

Pioglitazone hydrochloride (PGZ) is a hypoglycemic drug used to treat type 2 diabetes with a short biological half-life and poor oral absorption. The current study was conducted to prepare oral PGZ-loaded lipid microparticles (PGZ-LMPs) for improving PGZ's solubility and oral bioavailability and maintaining its sustained release. The Design-Expert program was employed to design and analyze various PGZ-LMP formulations. The microparticles were prepared by the solvent injection technique using cetyl alcohol and surfactants. The developed formulations were characterized *in vitro* for particle size, loading efficiency, and PGZ release. The DDSolver software was employed to investigate the mechanism of the drug release and the appropriate kinetic model for describing PGZ release from LMPs. The optimized formulation was characterized using FT-IR spectroscopy, scanning electron microscopy (SEM), and differential scanning calorimetry (DSC) and was subjected to an *in vivo* preclinical study to evaluate and confirm its antidiabetic activity. The optimized formula had a mean particle size of 4.73 ± 0.06 nm and a smooth, spherical structure. PGZ-LMPs exhibited excellent homogeneity with a PDI of 0.27 ± 0.06 and showed a high EE% of $71.3\% \pm 1.293$. The FT-IR and DSC analyses confirmed that PGZ was encapsulated in the LMPs and there was no interaction

IPSF + DUPHAT



"Students from Dubai Pharmacy College were selected as coordinators and organizers for an exhibitor at the IPSF (International Pharmaceutical Student Federation) booth during DUPHAT. They were responsible for ensuring a successful and well-organized display, showcasing the International Pharmaceutical Students' Federation's contributions to the field of pharmacy."



Dr. Hanan and Our Students With her highness, Sheikhha Jawaher

INTERNATIONAL CONFERENCE OF PHARMACY AND MEDICINE



Dubai Pharmacy College was awarded second place in a university quiz competition, showcasing the knowledge and academic excellence of its students. Along with one student poster winning first place and two others earning third. The recognition of their efforts reflects the college's commitment to providing quality education.



INTERNATIONAL CONFERENCE OF PHARMACY AND MEDICINE



Dr. Samira and Dr. Hanan with DPCG representatives.



DPCG student representatives



Our students' posters took first place in the poster competition.



Our student's poster took third place in the poster competition.





INTERNATIONAL CONFERENCE IN PHARMACY AND BIOMEDICAL SCIENCES

DPCG proudly participated in the International Conference in Pharmacy and Biomedical Sciences held in Abu Dhabi. Our students and faculty members made significant contributions to the event, with Dr. Asiha Almotary being awarded first place in the Best Design Poster category. Additionally, Dr. Maram Abbas was recognized for her exceptional research quality and was named third in the respective category. "These achievements are a testament to the hard work and dedication of our students and faculty members, and we are proud to have represented the university in such a prestigious event."



COLLABORATION WITH AL JALILA CHILDREN'S SPECIALTY HOSPITAL

We at DPCG are thrilled that Al Jalila Children's Specialty Hospital, Dubai has accepted our master's students into their clinical pharmacy training course.

This is a fantastic opportunity for our students to gain valuable hands-on experience and learn from some of the most respected professionals in the field.

We are grateful to Al Jalila Children's Specialty Hospital for supporting our students' education and development and investing in the future of healthcare.

Thank you for this amazing opportunity and for partnering with us to provide our students with the best possible education. We look forward to seeing all our students accomplish during their training at Al Jalila Children's Specialty Hospital.



OUR FRIENDS FROM UK



A group of students from De Montfort University in the United Kingdom visited our campus. The visit was an enriching experience, as we engaged with the students and had a wonderful time. During their stay, the students explored our campus and had the opportunity to participate in good multicultural interaction. This was a valuable opportunity for all parties involved, as we were able to share our cultures and expand our knowledge. The visit was a great success, and we look forward to future exchanges like this one.

THE ORIENTATION DAY FOR THE WORLD POLICE SUMMIT

Representatives Yasmeim Yaser, Sadaf Sana, and Imran Khan of the Institution were invited to attend the Orientation day for the World Police Summit in Dubai. Under the patronage of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Dubai Police is organizing the event from March 7-9, 2023. The summit will cover various topics such as crime prevention, forensics science, anti-narcotics, drone technology, K9 units, innovation, and resilience. The goal of the World Police Summit 2023 is to share best practices and strategies in law enforcement with the aim of preventing crimes and enhancing safety and security for all.



IPSF COLLABORATION BETWEEN DPCSU & GPSA

The Student Unions of Dubai Pharmacy College for Girls (DPCSU) and Gulf Medical University (GPSA) recently came together for a collaborative meeting with the aim of forging a stronger partnership for the future. With a shared goal of creating a better educational experience for their students, both unions are eager to work together to bring new and innovative ideas to the table. As the next generation of leaders, these students are not only shaping their own futures but the future of the world, and we are excited to see what this collaboration will bring.





DUBAI PHARMACY COLLEGE

MEET AND GREET 2023

On January 7, 2023, Dubai Pharmacy College organized and hosted a Meet & Greet event. Members of our advisory board, community pharmacy and hospital partners, and Mpharm alumni were all invited to a lunch buffet to meet and greet faculty members.





DPC ADVISORY BOARD

Dr. Amin Hussein Al Amiri

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Dr. Sahar Mohamed Abu-Omar

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Director of Pharmacy Services



Dr. Waqar Ahmed
Clinical Pharmacy Manager



Dr. Hossam Hosni Aldali
***Pharmacy Informatics and
Automation Specialist***



CLINICAL PRECEPTORS

American Hospital



المستشفى الأمريكي
AMERICAN HOSPITAL



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Clinical Pharmacist



Dr. Rasha Elsayed
*Clinical Pharmacist, Clinical
Preceptor, Pharmacy
Academic Coordinator*

Dr. Naureen Wajid
*Senior Pharmacist /Incharge
Oncology Pharmacy American
Hospital*



CLINICAL PRECEPTORS

Dr. Sulaiman Al Habib Hospital (HMG)



Dr. Youssef Shawa
Acting Pharmacy Manager

NMC Royal Hospital-DIP

Dr. Sabha Fathima
Inpatient Pharmacy Manager



Dr. Nishil Kurian
Outpatient Pharmacy Manager

Dr. Shadaksharaya
Senior Pharmacist BCSCP





NMC Specialty Hospital, Al Nahda



***Dr. Amal Ammar
Pharmacy Manager***

NMC Royal Hospital Abu Dhabi



***Dr. Abdelgadir Elbatria
Hospital Pharmacy Manager***



***Dr. Pushpangadhan Nair
Pharmacist***



Super Care Pharmacy Group **supercare**

Ms. Mariam Obeid
Regulatory Affairs Manager
at Super Care Pharmacy



Emirates Hospital

مجموعة مستشفيات الإمارات
Emirates Hospitals Group

Dr. Wael Mohamed
Atef
Chief Pharmacist

Dr. Eman Almomani
Pharmacy supervisor
(Clinical Pharmacist)

Iranian Hospital



Iranian Hospital - Dubai
Affiliated to Red Crescent Society

Dr. Saba Habibollah
Head of Education, Development and
Quality Improvement

Ms. Shokoufeh Rezaei
Education Coordinator

Mr. Mohsen Hosseini
Education Supervisor



المستشفى السعودي الألماني دبي
Saudi German Hospital Dubai

**Saudi German Hospital
Dubai**



Dr. Tariq Mansoor
Head of Pharmacy

**Saudi German Hospital
Ajman**



Dr. Zahid Ghafoor Iqbal
Pharmacy Manager

Al Jalila Children's Specialty Hospital



Dr. Omar Al Sokhni
Director of Pharmacy Department

Dr. Hesham Obeidat
Clinical Pharmacist

Dr. Mason Assaf
Clinical Pharmacist

Dr. Roaa AlSardy
Academic Affairs Executive





OUR ALUMNI OUR PRIDE



LOOK FORWARD TO...



GLOBAL DAY

The global day to celebrate nationalities is a special occasion that brings people from different backgrounds together. This year, the celebration is being jointly organized by the Medical College and Pharmacy College. The collaboration between the two institutions promises to make the event even more vibrant and diverse, with a wide range of cultural displays and activities for everyone to enjoy.



OUR TEAM

Editor-in-chief :

Prof. Saeed Ahmed Khan Dean, DPC

Editor :

Ms. Sabeena Salam

Co-editor & Reviewer :

Dr. Rana Sammour

Editorial Supervisors :

Ms. Sadaf Sana

Ms. Yasmein Salem

Head of Student Newsletter :

Fathima Firoz (Batch 28)

EDITORIAL OFFICE:

Dubai Pharmacy College for
Girls,
Muhaisnah - Muhaisnah 1 -
Dubai, United Arab Emirates

Phone: 04 212 0333