

<b>PROFILE</b>		
<b>1</b>	<b>NAME</b>	Syed Haroon Khalid
<b>2</b>	<b>ACADEMIC POSITION</b>	Senior Lecturer
<b>3</b>	<b>STATUS OF APPOINTMENT</b>	Contract
<b>4</b>	<b>CITIZENSHIP</b>	Non-Malaysian
<b>5</b>	<b>EDUCATION</b>	PhD (Pharmaceutical Technology), Universiti Sains Malaysia – 2015; Bachelor of Pharmacy (Hons) (B-Pharmacy), Bahauddin Zakariya University, Pakistan – 2003.
<b>6</b>	<b>WORKING EXPERIENCE</b>	<ul style="list-style-type: none"> <li>● Senior Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 1 Mac 2024- Present</li> <li>● Assistant Professor, Faculty of Pharmaceutical Sciences, Government College University, Faisalabad, Pakistan, 18 Oct 2016- 20 FEB 2024</li> <li>● Lecturer, Faculty of Pharmaceutical Sciences, Government College University, Faisalabad, Pakistan, 5 MAY 2008- 17 OCT 2016</li> </ul>
<b>7</b>	<b>CURRENT ACADEMIC RESPONSIBILITIES</b>	<ul style="list-style-type: none"> <li>● PHC463: Lectures, Practical Classes and Problem based learning, PBL)</li> <li>● Field Supervisor for the postgraduate student ‘‘ Kong Jiang Foong’’ from University of Cyberjaya.</li> </ul>
<b>8</b>	<b>RESEARCH INTERESTS/ PROJECTS</b>	<ul style="list-style-type: none"> <li>● Drug delivery</li> <li>● Solid dispersions</li> <li>● Topical and Transdermal delivery systems</li> <li>● Formulation development</li> </ul>
<b>9</b>	<b>PUBLICATIONS</b>	<p>2019-2023</p> <p><b>Anthology (book with articles)</b></p> <p><b>2023</b></p> <p>1. Muhammad Ali Syed, Muhammad Irfan, Ameer Fawad Zahoor, <b>Haroon Khalid Syed</b>, Shahid Shah, Muhammad Ajmal Shah, Nayyer Islam &amp; Sana Hanif. (2023). Peritoneal Implants and Drug Delivery. In: Shegokar, R. (eds) Exploring Drug Delivery to the Peritoneum. Springer, Cham. Pp 147–167. <a href="https://doi.org/10.1007/978-3-031-31694-4_7">https://doi.org/10.1007/978-3-031-31694-4_7</a></p> <p>2. Nayyer Islam, Muhammad Irfan, Ameer Fawad Zahoor, <b>Haroon Khalid Syed</b>, Shahid Shah, Muhammad Ajmal Shah, Muhammad Ali Syed &amp; Syed Atif Raza,</p>

Pneumocystis Carnii Pneumonia Infections: Disease, Diagnosis, and Treatment Options. In: Shegokar, R., Pathak, Y. (eds) Infectious Diseases Drug Delivery Systems. Springer, Cham. Pp 255-273.  
[https://doi.org/10.1007/978-3-031-20521-7\\_12](https://doi.org/10.1007/978-3-031-20521-7_12)

3. Laiba Masood, Nayyer Islam, Muhammad Irfan, Ameer Fawad Zahoor, **Haroon Khalid Syed**, Muhammad Shahid Shah, Muhammad Ajmal Shah, Muhammad Ali Syed & Sana Hanif. Hepatitis C: Exploration of Diseases, Diagnosis, and Treatment Strategies. In: Shegokar, R., Pathak, Y. (eds) Infectious Diseases Drug Delivery Systems. Springer, Cham. Pp 331-348.  
[https://doi.org/10.1007/978-3-031-20521-7\\_15](https://doi.org/10.1007/978-3-031-20521-7_15)

#### 2022

4. Rimsha Yousaf, Fizza Abdul Razzaq, Sajid Asghar, Muhammad Irfan, Ikram Ullah Khan and **Syed Haroon Khalid\***. Cyclodextrins: An Overview Fundamentals, Types, and Applications. DOI:  
<http://dx.doi.org/10.5772/intechopen.108078>

#### 2021

5. Kai Bin Liew, Choon Fu Goh, Sajid Asghar, **Haroon Khalid Syed**. Overview of mechanical and physicochemical properties of polymer matrix composites. Encyclopedia of Materials: Composites. Elsevier.2021, ISBN 9780128035818,  
<https://doi.org/10.1016/B978-0-12-819724-0.00049-5>

6. **Haroon K. Syed**, Sajid Asghar, Liew K. Bin, Ikram U. Khan, Fizza A. Razzaq, Saba Rafique, Polymer Composites for Organ Reconstruction, Reference Module in Materials Science and Materials Engineering, Elsevier, 2021, ISBN 9780128035818,  
<https://doi.org/10.1016/B978-0-12-819724-0.00034-3>

7. Sajid Asghar, **Haroon K. Syed**, Liew K. Bin, Ikram U. Khan, Saad Salman, Multifunctional Polymer Matrix Composites, Reference Module in Materials Science and Materials Engineering, Elsevier, 2021, ISBN 9780128035818,

8. Saad Salman, **Syed H. Khalid**, Ikram U. Khan, Sajid Asghar, Fahad H. Shah, Muniba Tariq, Marine Polysaccharide-Based Composite Hydrogels, Reference Module in Materials Science and Materials Engineering, Elsevier, 2021, ISBN 9780128035818.

9. Ikram U. Khan, Huma Mahmood, Yasser Shahzad, Sajid Asghar, **Haroon K. Syed**, Hydrogel Composite Films

for Wound Healing, Reference Module in Materials Science and Materials Engineering, Elsevier, 2021, ISBN 9780128035818

**2019**

10. **Syed Haroon Khalid**, Mehreen Bashir, Sajid Asghar, Tauqeer Hussain Mallhi and Ikram Ullah Khan (December 11th 2019). Effect of Cyclodextrin Derivatization on Solubility and Efficacy of Drugs [Online First], IntechOpen, DOI: 10.5772/intechopen.90364. Available from: <https://www.intechopen.com/online-first/effect-of-cyclodextrin-derivatization-on-solubility-and-efficacy-of-drugs>. In book: Colloid Science in Pharmaceutical Nanotechnology.

#### **Journal article**

**2024**

1. Azka Ikram, Ikrima Khalid, Ikram Ullah Khan, Kashif Barkat, Waqas Ahmad, **Haroon Khaild Syed**, and Ayesha Jamshed. Fabrication and evaluation of cross-linked nanogels of Dexibuprofen. Journal of Bioactive and Compatible Polymers. 2024;0(0). (IF: 1.7). <https://doi:10.1177/08839115231223962>.

2. Shahzadi Filza Hassan, Sajid Asghar, Ikram Ullah Khan, Rabia Munir, and **Syed Haroon Khalid\***. Curcumin Encapsulation in Geranium Oil Microemulsion Elevates Its Antibacterial, Antioxidant, Anti-Inflammatory, and Anticancer Activities. ACS Omega, 2024, 9, 5624–5636. <https://doi.org/10.1021/acsomega.3c08033>.(IF: 4.132)

3. Aisha Rashid, Muhammad Irfan, Yousaf Kamal, Sajid Asghar, **Syed Haroon Khalid**, Ghulam Hussain, Abdulrahman Alshammari, Thamer H. Albekairi, Metab Alharbi, Hafeez Ullah Khan, Zunera Chauhdary, Thierry F. Vandamme and Ikram Ullah Khan. \* In Vitro and Biological Evaluation of Oral Fast-Disintegrating Films Containing Ranitidine HCl and SyloidR 244FP-Based Ternary Solid Dispersion of Flurbiprofen. Pharmaceutics 2024, 16, 164. <https://doi.org/10.3390/pharmaceutics16020164>.(IF: 5.4).

**2023**

4. Waqas Haider Khan, Ikram Ullah Khan, Sajid Asghar, Muhammad Irfan, **Syed Haroon Khalid\***. PREPARATION OF BINARY INCLUSION COMPLEX OF RIVAROXABAN WITH BETA CYCLODEXTRIN; PHYSIOCHEMICAL AND SOLID-STATE CHARACTERIZATION. Journal of Population

Therapeutics & Clinical Pharmacology. Vol. 30 No. 19 (2023): JPTCP (192-203). 10.53555/jptcp.v30i19.3584

5. Aneela Manzoor, Muhammad Asif, **Syed Haroon Khalid**, Ikram Ullah Khan, and Sajid Asghar\*. Nanosizing of Lavender, Basil, and Clove Essential Oils into Microemulsions for Enhanced Antioxidant Potential and Antibacterial and Antibiofilm Activities. ACS Omega, 2023, 8, 43, 40600–40612 <https://doi.org/10.1021/acsomega.3c05394>.(IF: 4.132)

6. Na Bu, Liaqat Hussain,\* Anam Younas, **Syed Haroon Khalid**, Yun Wang, Imran Imran, Muhammad Saleem, Faiza Manzoor, Management of Polycystic Ovarian Syndrome; A Metabolic Morbidity of Reproductive Age, Special Focus on the Role of Natural and Alternative Medicine. J. Biol. Regul. Homeost. Agents. 2023;37(9): 4531-4546. <https://doi.org/10.23812/j.biol.regul.homeost.agents.20233709.443>(IF: 3.2).

7. Liaqat Hussain, \* Ina Masood, Matloob Ahmad, Muhammad Yasir Ali, Uzma Saleem, Musaddique Hussain, **Syed Haroon Khalid**, Zunera Chaudhary. Pharmacological and toxicological evaluation of methyl 4-hydroxy-2H-1,2-benzothiazine-3-carboxylate 1,1-dioxide against haloperidol induced Parkinson like symptoms in animal model: In-vitro and in-vivo studies. Toxicology and Applied Pharmacology 477 (2023) 116678. <https://doi.org/10.1016/j.taap.2023.116678>.(IF: 3.8).

8. Waqas Haider Khan, Sajid Asghar, Ikram Ullah Khan, Muhammad Irfan, Abdulrahman Alshammari, Muhammad Shahid Riaz Rajoka, Rabia Munir, Pervaiz A. Shah, Ikrima Khalid, Fizza Abdul Razzaq, **Syed Haroon Khalid**\*. Effect of hydrophilic polymers on the solubility and dissolution enhancement of rivaroxaban/beta-cyclodextrin inclusion complexes. Heliyon. Volume 9, Issue 9, E19658, 2023. <https://doi.org/10.1016/j.heliyon.2023.e19658>.(IF: 4.0).

9. Aafia Khalid, Muhammad Umair Arshad\*, Ali Imran, **Syed Haroon Khalid** and Mohd Asif Shah\*. Development, stabilization, and characterization of nanoemulsion of vitamin D3-enriched canola oil. Front. Nutr. 10:1205200. doi: 10.3389/fnut.2023.1205200 (IF: 5.0).

10. Aisha Rashid, **Syed Haroon Khalid**, Muhammad Irfan, Sajid Asghar, Waleed Y. Rizg, Fahad Y. Sabei, Eman Alfayez, Hanaa Alkharobi, Awaji Y. Safhi, Khaled M. Hosny, Shoail Arshad and Ikram Ullah Khan, \*. In Vitro

and In Vivo Evaluation of Composite Oral Fast Disintegrating Film: An Innovative Strategy for the Codelivery of Ranitidine HCl and Flurbiprofen. *Pharmaceutics* 2023, 15, 1987. <https://doi.org/10.3390/pharmaceutics15071987>. (IF: 5.4).

11. Pervaiz Akhtar shah\*, Yousaf Kamal, Fizza Abdul Razzaq, Hafiz Muhammad Ramzan, Alina Shoukat, Areeba Pervaiz, Iqra Liaqat, Shahzad Anwar, Waqas Haider Khan, Taha Nazir and **Syed Haroon Khalid\***. Esomeprazole floating tablets by using HUSK/HPMC polymers; formulation development and in-vitro characterization. *Lat. Am. J. Pharm.* 42 (6): 1133-9 (2023) (IF: 0.20)

12. Pervaiz Akhtar shah\*, Yousaf Kamal, Fizza Abdul Razzaq, Hafiz Muhammad Ramzan, Alina Shoukat, Areeba Pervaiz, Iqra Liaqat, Shahzad Anwar, Waqas Haider Khan, Taha Nazir and **Syed Haroon Khalid\***. Formulation development and in-vitro characterization of omeprazole floating tablets by using eudragit and HPMC. *Lat. Am. J. Pharm.* 42 (6): 1148-54 (2023). (IF: 0.20)

13. Bushra Arooj, Sajid Asghar, Mohammad Saleem, **Syed Haroon Khalid**, Muhammad Asif, Tahir Chohan, Ikram Ullah Khan, Hafiz Muhammad Zubair, Hafza Sidra Yaseen, Anti-inflammatory mechanisms of eucalyptol rich Eucalyptus globulus essential oil alone and in combination with furbiprofen. *Inflammopharmacology*. <https://doi.org/10.1007/s10787-023-01237-6>. (IF: 5.8)

14. Nyla Ajaz, Munnaza Bukhsh, Yousaf Kamal, Fauzia Rehman, Muhammad Irfan1, **Syed Haroon Khalid**, Sajid Asghar, Waleed Y. Rizg, Sahar M. Bukhary, Khaled M. Hosny, Mohammed Alissa, Awaji Y. Safhi, Fahad Y. Sabei and Ikram Ullah Khan1\*. The development and evaluation of pH-sensitive semi-interpenetrating networks: assessing the impact of itaconic acid and aloe vera on network swelling and cetirizine release. *Front. Bioeng. Biotechnol.* 11:1173883. 2023 | doi: 10.3389/fbioe.2023.1173883. (IF: 5.7)

15. Nida Rashid, **Syed Haroon Khalid**, Ikram Ullah Khan, Zunera Chauhdary, Hira Mahmood, Ayesha Saleem, Muhammad Umair, and Sajid Asghar\*. Curcumin-Loaded Bioactive Polymer Composite Film of PVA/Gelatin/Tannic Acid Downregulates the Pro-inflammatory Cytokines to Expedite Healing of Full-Thickness Wounds. *ACS Omega*, 2023, 8, 8, 7575–7586. <https://doi.org/10.1021/acsomega.2c07018>. (IF: 4.1)

16. Bushra Ishfaq, Ikram Ullah Khan\*, **Syed Haroon Khalid** and Sajid Asghar. Design and evaluation of sodium

		<p>alginate-based hydrogel dressings containing <i>Betula utilis</i> extract for cutaneous wound healing. <i>Front. Bioeng. Biotechnol.</i> 2023, 11:1042077. doi: 10.3389/fbioe.2023.1042077 (IF: 5.7)</p> <p>17. Muhammad Asim, Marriam Nazir, Zunera Chauhdary, Muhammad Irfan, <b>Syed Haroon Khalid</b>, Sajid Asghar, Usra, Raed. Felimban, Mohammed A. Majrashi, Mohannad S. Hazzazi, Mohammed Allissa, Safa H. Qahl, Ghulam Hussain, Azhar Rasul, Shahzad Ali Shahid Chatha and Ikram Ullah Khan*. Enhanced Solubility and Biological Activity of Dexibuprofen-Loaded Silica-Based Ternary Solid Dispersions. <i>Pharmaceutics</i> 2023, 15, 399. <a href="https://doi.org/10.3390/pharmaceutics15020399">https://doi.org/10.3390/pharmaceutics15020399</a>.(IF:5.4)</p> <p>18. Hira Mahmood, Muhammad Asif, <b>Syed Haroon Khalid</b>, Ikram Ullah Khan, Zunera Chauhdary, Fizza Abdul Razzaq, Sajid Asghar*. Design of a multifunctional carrageenan-tannic acid wound dressing co-loaded with simvastatin and geranium oil. <i>Journal of Drug Delivery Science and Technology</i> 79 (2023) 104080. (IF: 5.0)</p> <p><b>Conference paper</b> Nil</p> <p><b>Newspapers and popular magazines</b> Nil</p> <p><b>Dissertation and master thesis</b> <b>Master Thesis</b> Tanzeela Ali. Preparation and characterization of cubosomes loaded with chemically synthesized compound for antibacterial activity. [dissertation]. Faisalabad, Pakistan: Government College University, Faisalabad; 2023.</p> <p><b>PhD thesis</b> Memoona Ishtiaq. Enhancement of solubility and biological activity of curcumin by binary and ternary complexes. [dissertation]. Faisalabad, Pakistan: Government College University, Faisalabad; 2023.</p>
10	<b>RESEARCH GRANTS</b>	<p>Development and evaluation of nanocream. Startup Research Grant Program. Higher Education Commission (HEC), Pakistan. 21 Feb 2017 – July 2019. 0.475 Million PKR. Principal Investigator.</p> <p>Development and characterization of curcumin-glucosamine-collagen peptide for biomedical applications. Nation Research Program for Universities (NRPU). Higher Education Commission (HEC), Pakistan. 03 April 2017 – July 2020. 2.475 Million PKR. Principal Investigator.</p>

11	<b>AWARDS</b>	Appointment as Reviewer for the International Review of Interdisciplinary Sciences (IRIS) at the University of Cyberjaya, Malaysia, <b>24<sup>th</sup> April 2024</b> to <b>23<sup>rd</sup> May 2026</b>
12	<b>INVOLVEMENT IN PROFESSIONAL ORGANISATIONS</b>	<ul style="list-style-type: none"> <li>● Member, American Chemical Society (ACS), 2021-present.</li> <li>● Member, Punjab Pharmacy Council, Pakistan (PPC), 2004-present.</li> </ul>
13	<b>PARTICIPATION IN CONTINUING EDUCATION</b>	<p><b><u>Conferences:</u></b></p> <ol style="list-style-type: none"> <li>1. Invited Speaker, International Brain and biomedicines conference (IBBC-2024). Government College University, Faisalabad, 2024, Pakistan.</li> <li>2. Presenter, International Brain and biomedicines conference (IBBC-2023). Government College University, Faisalabad, 2023, Pakistan.</li> <li>3. Presenter, 3<sup>rd</sup> International Conference on Dermal Sciences (ICDS-2023). The University of Faisalabad, 2023, Pakistan.</li> <li>4. Presenter, Global Pharma Summit. March 11-12, MEC Global Events, London E16 2DQ, 2023, United Kingdom</li> </ol> <p><b><u>Courses:</u></b></p> <ul style="list-style-type: none"> <li>● Participant, Taylon &amp; Francis Group. Understanding Open data. 2023, Online.</li> </ul>
14	<b>COMMUNITY SERVICES</b>	<i>Nil</i>