

Curriculum Vitae



Personal Information

Name **Dr. Hafiz Awais Nawaz**
Job Title **Assistant Professor**
Address Institute of Pharmaceutical Sciences, University of Veterinary and Animal Sciences, Outfall Road, Lahore, Pakistan.
Telephone(s) +92 42 99211449 Ext. 289 Mobile: +92 300 4454458
E-mail awais@uvas.edu.pk
Nationality Pakistani
Date of birth October 6th, 1983
Gender Male

Ambitions

- To apply my professional knowledge and skills for the betterment of Pharmacy education.
- To work in the area of synthesizing reactive oligomers for developing cross-linked matrices having applications in regenerative medicine.

Achievements

- Established Institute of Pharmaceutical Sciences, University of Veterinary and Animal Sciences, Lahore in 2008 as member of pioneer team.
- Played a vital role as team member in the establishment of Bioequivalence Study (BeSt) Centre at University of Veterinary and Animal Sciences, Lahore in 2008.
- Won research project “Development of stem cell therapy for treating cutaneous wounds in canines: a translational model for humans” worth 6.13 Million PKR.

Field of Specialization/ Specific Area of Expertise

- Pharmaceutics
- Formulation development
- Polymer synthesis
- Oligomer-cross-linked matrices
- Regenerative applications
- Biomedical applications

Education

Dates **October 2014 to November 2018**
Title of qualification PhD (Pharmaceutical Technology)
Research area Pharmaceutical Technology
Result magna cum laude
Institution University of Leipzig, Leipzig, Germany
Dates **March 2009 to April 2012**
Title of qualification Master of Philosophy (M.Phil) in Pharmaceutics

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| Principal subjects | Pharmaceutics |
| Result | 3.88 cGPA (Silver medallist) |
| Institution | Institute of Pharmaceutical Sciences (IPS), University of Veterinary and Animal Sciences, Lahore, Pakistan |
| Dates | March 2002 to December 2007 |
| Title of qualification | Doctor of Pharmacy (Pharm. D) |
| Principal subjects | Pharmaceutics, Pharmaceutical Chemistry, Pharmacology, Pharmacognosy, |
| Result | 63.76 % (1 st Division) |
| Institution | University College of Pharmacy, University of The Punjab, Lahore, Pakistan. |
| Dates | August 1999 to August 2001 |
| Title of qualification | Intermediate (FSC) Pre-Medical |
| Principal subjects | Physics, Chemistry, Biology |
| Result | 77.90 % |
| Institution | Government College Lahore |
| Dates | 1997 to 1999 |
| Title of qualification | Secondary School Certificate (Matriculation) |
| Principal subjects | Physics, Chemistry, Biology, Mathematics |
| Result | 88.90 % |
| Institution | Government Central Model School, Samnabad, Lahore |
| Work experience | |
| Dates | 17 January 2022 to Date |
| Occupation or position held | Assistant Professor |
| Main activities and responsibilities | Teaching and Research |
| Name and address of employer | Institute of Pharmaceutical Sciences, University of Veterinary and Animal Sciences, Lahore, Pakistan |
| Dates | 17 October 2008 to 16th January 2022 |
| Occupation or position held | Lecturer |
| Main activities and responsibilities | Teaching and Research |
| Name and address of employer | Institute of Pharmaceutical Sciences, University of Veterinary and Animal Sciences, Lahore, Pakistan |
| Type of business or sector | Public sector University |
| Dates | 15 March 2008 to 16 October 2008 |
| Position held | Hospital Pharmacist |
| Main activities and responsibilities | <ul style="list-style-type: none"> ● Aseptic dispensing and extemporaneous preparation services, ● Drug information services, ● Clinical ward rounds, ● Training of apprentice pharmacists, ● |
| Name and address of | <i>Children's Hospital and The Institute of Child Health,</i> |

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| employer | <i>Ferzopur Road, Lahore.</i> |
| Dates | 4 January 2007 to 5 March 2008 |
| Position held | Community Pharmacist |
| Main activities and responsibilities | <ul style="list-style-type: none"> • Prescription handling and dispensing of drugs. • Management of controlled drug dispensing. • Patient counselling and drug information. • Human resource management. |
| Name and address of employer | Fazal Din Pharma Plus, jail road, Lahore. |
| Type of business or sector | Community Pharmacy (Private Sector) |
| Academic & Scientific Contributions | <p><u>Research Project</u></p> <p>Won research project No 14989 entitled “Development of stem cell therapy for treating cutaneous wounds in canines: a translational model for humans” having total cost of Rs. 6135250/- and project duration of 24 months under National Research Program for Universities- NRP (in progress)</p> <p><u>Research Articles</u></p> <ul style="list-style-type: none"> • Muhammad Ayub Khan, Muhammad Mohsin Ansari, Sadia Tabassam Arif, Abida Raza, Ho-Ik Choi, Chang-Wan Lim, Ha-Yeon Noh, Jin-Su Noh, Salman Akram, Hafiz Awais Nawaz, Muhammad Ammad, Abir Abdullah Alamro, Amani Ahmed Alghamdi, Jin-Ki Kim & Alam Zeb. Eplenerone nanocrystal engineered by controlled crystallization for enhanced oral bioavailability. <i>Drug Delivery</i>, 2021, 28(1):2510-2524. • Muhammad Muaaz Munir, Huma Rasheed, Muhammad Imran Khokhar, Rizwan Rasul Khan, Hafiz Asad Saeed, Mateen Abbas, Mohsin Ali, Rabiea Bilal, Hafiz Awais Nawaz, Abdul Muqet Khan, Shaista Qamar, Syed Muneeb Anjum and Muhammad Usman. Dose Tailoring of Vancomycin Through Population Pharmacokinetic Modeling Among Surgical Patients in Pakistan. <i>Front. Pharmacol</i>, 2021, doi: 10.3389/fphar.2021.721819 • Sunaina Rafi, Huma Rasheed, Muhammad Usman, Hafiz Awais Nawaz, Syed Muneeb Anjum, Mamoona Chaudhry, Zaheer-Ud-Din Babar. Availability of essential medicines in Pakistan—A comprehensive document analysis. <i>PLOS ONE</i>, 2021, 16(7): e0253880 • Hanluo Li, Hafiz Awais Nawaz, Federica Francesca Masieri, Sarah Vogel, Ute Hempel, Alexander K. Bartella, Rüdiger Zimmerer, Jan-Christoph Simon, Michaela Schulz-Siegmund, Michael Hacker, Bernd Lethaus and Vuk Savković. Osteogenic Potentials of Mesenchymal Stem Cells from Adipose, Bone Marrow and Hair Follicle Outer Root Sheath in a 3D Crosslinked Gelatin-based Hydrogel. <i>Int. J. Mol. Sci.</i> 2021, 22(10), 5404; https://doi.org/10.3390/ijms22105404 • Nawaz, Awais; Schröck, Kathleen; Schmid, Maximilian; Kriehoff, Jan; Maqsood, Iram; Kascholke, Christian; Kohn-Polster, Caroline; Schulz-Siegmund, Michaela; Hacker, Michael. Injectable oligomer-cross-linked gelatin hydrogels via anhydride-amine-conjugation. <i>J. Mater. Chem. B</i>, 2021,9, 2295-2307 • Mohsin Ali, Muhammad Usman , Huma Rasheed, Georg Hempel, Hafiz A Nawaz, Muhammad Hanif, Fawad Rasool & Mohammad Saleem. A systematic review on chromatography-based method validation for quantification of vancomycin in biological matrices. <i>Bioanalysis</i>. 2020 Dec; 12(24):1767-1786. doi: 10.4155/bio-2020-0230. • Christian Wölk, Hafiz Awais Nawaz, Iram Maqsood, Fabio Strati, Gerald Brezesinski, Gerd Hause, Michaela Schulz-Siegmund and Michael C. Hacker. Amphiphilic functionalized oligomers – a promising strategy for the post-fabrication functionalization of liposomes. <i>Adv. Mater. Interfaces</i>, |

2020, 7, 2001168

- Muhammad Tahir Khan , Muhammad Usman , **Hafiz Awais Nawaz** , Huma Rasheed, Rizwan Rasul Khan, Syed Muhammad Muneeb Anjum, Muhammad Imran Khokhar and Naveed Akhtar. Formulation of Phaseolus vulgaris L. cream and its characterizatio. Pak. J. Pharm. Sci., Vol.33, No.2 (Suppl), March 2020, pp.815-820
- Nafees Ahemad Umair Khurshid, Saeed Ahmad, Hammad Saleem, **Hafiz Awais Nawaz**, Gokhan Zengin, Marcello Locatelli. , Mohamad Fawzi Mahomoodally, Syafiq Asnawi Zainal Abidin, Muhammad Imran Tousif. Phytochemical composition and in vitro pharmacological investigations of Neurada procumbensL. (Neuradaceae): A multidirectional approach for industrial products. 2019. Industrial Crops & Products. Vol.142, pp. 1-7
- **Hafiz Awais Nawaz**, Muhammad Irfan Masood, Mateen Abbas, Muhammad Usman, Abdul Muqet Khan, Huma Rasheed, Sualeha Riffat. Evaluation of gender difference in pharmacokinetics of candesartan cilexetil in the fasted state by RP-HPLC: A single dose comparative study. 2019. Pak. J. Pharm. Sci., Vol.32, No.3, pp. 1019-1024
- Iram Maqsood, Muhammad Irfan Masood, **Hafiz Awais Nawaz**, Iram Shahzadi, Naheed Arslan. Formulation, characterization and in vitro evaluation of antifungal activity of Nystatin microemulsion for topical application. 2019. Pak. J. Pharm. Sci., Vol.32, No.4, pp. 1671-1677
- Michael C. Hacker, **Hafiz Awais Nawaz**. Multi-Functional Macromers for Hydrogel Design in Biomedical Engineering and Regenerative Medicine. 2015. *Int. J. Mol. Sci.* 2015, 16(11), 27677-27706
- Iram Shahzadi, Muhammad Irfan Masood, Farzana Chowdhary, Aftab Ahmad Anjum, **Muhammad Awais Nawaz**, Iram Maqsood, Muhammad Quaid Zaman. Microemulsion Formulation for Topical Delivery of Miconazole Nitrate. 2014. *Int. J. Pharm. Sci. Rev. Res.*, 24(2), Jan – Feb 2014; n° 06, 30-36
- Mateen Abbas, Abdul Muqet Khan, Sualeha Riffat, Muhammad Yasin Tipu, **Hafiz Awais Nawaz** and Muhammad Usman. Assessment of sex differences in Pharmacokinetics of Carvedilol in human. 2014. Pak. J. Pharm. Sci., Vol.27, No.5, pp.1265-1269
- Iram Maqsood, Muhammad Irfan Masood, Sajid Bashir, **Hafiz Muhammad Awais Nawaz**, Aftab Ahmad Anjum, Iram Shahzadi, Mahmood Ahmad and Imran Masood. Preparation and in vitro evaluation of Nystatin micro emulsion based gel. 2015. Pak. J. Pharm. Sci., Vol.28, No.5, pp.1587-1593

Book Chapters

- H. Rasheed, **HA Nawaz**, SMM Anjum and M. Usman (2019). “*Management of neurological disorders and pharmacist’s role: Epilepsy*” Encyclopedia of Pharmacy Practice and Clinical Pharmacy. Publisher: Elsevier, Volum: 3A, pp. 598-618.
- Huma Rasheed, Alia Zafar Rao, **HA Nawaz**, Khalid Saeed Bukhari (2019). “*Role of pharmacists in responding to Humanitarian crisis*”. Encyclopedia of Pharmacy Practice and Clinical Pharmacy. Publisher: Elsevier, Volume no. 2, pp. 317-324.

Oral Presentations

- **HA Nawaz** and M. Tahir Khan. (2021). Evaluation of Drug-Drug Interactions among Pediatrics in Tertiary Care Hospital: findings from Pakistan. 34th MSPP (Malaysian Society of Pharmacology and Physiology) meeting held virtually on 15-17th July, 2021. **1st Prize in Oral Presentation.**
- **HA Nawaz** and Michael C Hacker. (2018). "Reactive and hydrophilic oligomer cross-linked hydrogels for regenerative applications. Oral presentation at Spring Retreat of Transregio Collaborative Research Centre (TRR67) held in Nimbschen, Germany 26th and 27th April 2018.
- **HA Nawaz** and Michael C Hacker. (2018). "Injectable gelatin based cell

laden hydrogels for regenerative applications. Annual meeting of Controlled release society, German chapter, held in Halle, Germany 1st and 2nd March, 2018.

- **HA Nawaz** and Michael C Hacker. (2017). "Injectable gelatin based hydrogels for regenerative applications. Oral presentation at Annual meeting of German Society for Biomaterials, Germany) held in Würzburg, Germany 9-11th November 2017.
- **HA Nawaz** and Michael C Hacker. (2017). "Injectable hydrogels for regenerative applications. Oral presentation at Spring Retreat of Transregio Collaborative Research Centre (TRR67) held in Nimbschen, Germany 1st and 2nd June 2017.

Poster Presentations

- **Hafiz Awais Nawaz**, Kathleen Schröck, Annett Starke, Caroline Kohn-Polster, Christian Kascholke, Michaela Schulz-Siegmund, Michael C. Hacker. (2018). "Injectable reactive oligomer/gelatin hydrogels". Poster presentation at 29th European Conference on Biomaterials, held in Maastricht, Netherlands on 9-13th September, 2018.
- **Hafiz Awais Nawaz**, Kathleen Schröck, Annett Starke, Caroline Kohn-Polster, Christian Kascholke, Michaela Schulz-Siegmund, Michael C. Hacker. (2018). "Injectable oligomer cross-linked gelatin hydrogels". Poster presentation at 14th Research Festival Leipzig 2018, held in Leipzig, Germany on 15th January, 2018.
- M. Gronbach, J. Krieghoff, **H. Nawaz**, B. Müller, M. C. Hacker, M. Schulz-Siegmund. (2017). "Covalent aECM immobilization on reactive 3-D matrices - Progress report". Poster presentation at Winter Retreat of Transregio Collaborative Research Centre (TRR67) held in Nimbschen, Germany 2nd and 3rd November, 2017.

Languages

Mother tongue(s)

Punjabi, Urdu

Other language(s)

English, German (A2 Level)

Extracurricular Activities

- Urdu reading
- Cricket
- Movies