



RAHIM ULLAH

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ACADEMIC QUALIFICATION

2015 – 2021	PhD (Pharmacy/Pharmacology), CGPA 3.80 out of 4.0 Department of Pharmacy, University of Peshawar
2009 – 2014	Pharm-D , CGPA 3.82 out of 4.0 Faculty of Pharmacy University of Sindh, Jamshoro
2006 – 2008	Intermediate , 71% B.I.S.E Malakand (Pakistan)
2004 – 2005	Matriculation B.I.S.E Malakand (Pakistan)

TRAINING/INTERNSHIP

1. Liaquat National Hospital (LNH) Karachi (1 June 2013 till 30 June 2013)
 - Worked as a trainee Pharmacist.
2. Liaquat University Hospital Jamshoro/Hyderabad (6 Feb 2014 to 22 March 2014)
 - Worked as a trainee Pharmacist.

PROFESSIONAL EXPERIENCE

- Working as **Associate Professor** and **Head of Department** (HoD), Department of Pharmacy, Fatma College of Professional Sciences Swat, affiliated with Shaheed Benazir Bhutto University (SBBU) Dir Upper, Pakistan, since November 01, 2025 (Current job).
- Worked as **Assistant Professor** at the Department of Pharmacy, Sarhad University of Science and Information Technology (SUIT), Peshawar, from November 24, 2021 to October 31, 2025.
- Worked as **Proctorial board member** at the SUIT, Peshawar, from March 26, 2025 to October 31, 2025.
- Worked as **Assistant Coordinator** at the Department of Pharmacy, SUIT, Peshawar, from November 28, 2022 to December 31, 2024.
- Worked as **Principal**, Pharmacy Technician Program, Sarhad University of Science and Information Technology, Peshawar, from January 01, 2023 to December 31, 2024.
- Worked as a **Research Assistant** in HEC NRPU Project (no. 6671) “Novel targeted heterocyclic compound(s) beta hydroxy ketone derivatives-potential candidates for Alzheimer’s disease” at Department of Pharmacy, University of Peshawar, from February 01, 2018 to January 31, 2021.

- Worked as **Lecturer** at Liaquat Institute of Nursing & Health Sciences Batkhela, Malakand, from March 05, 2015 to January 31, 2018.
- Worked as a **Medical Sale Officer** at Barrett Hodgson Pharma Pakistan at Swat base (April 30, 2014 to March 04, 2015)

Papers published from NRPV project:

1. Attenuation of Spatial Memory in 5xFAD Mice by Halting Cholinesterases, Oxidative Stress and Neuroinflammation Using a Cyclopentanone Derivative. (*Pharmaceuticals*; Section Pharmacology); **Impact Factor: 4.8.**
2. Cyclopentanone derivative attenuates memory impairment by inhibiting Amyloid plaques formation in the 5xFAD mice." *IJMS* 2021, 22, 6084. Impact factor: **4.9.**
3. Attenuation of spatial memory in 5xFAD mice by targeting cholinesterases, oxidative stress and inflammatory signaling using 2-(hydroxyl-(2-nitrophenyl)methyl)cyclopentanone. (*International immunopharmacology*); **Impact Factor: 4.7.**
4. Synthetic β -hydroxy ketone derivative inhibits cholinesterases, rescues oxidative stress and ameliorates cognitive deficits in 5xFAD mice model of AD (*Molecular Biology Reports*); **Impact Factor: 2.8.**

RESEARCH SKILLS

PhD thesis title: Preclinical evaluation of selected synthetic beta-hydroxy ketone derivatives for efficacy in Alzheimer's disease

Pre-Clinical Models Design

- A. Basic and advanced pharmacological in-vivo experimental techniques (Rodent models)
 - In-vivo Alzheimer's disease, Anxiety, Depression, Diabetes, Hepatoprotective, Inflammation, Nephroprotective, Nociceptive and Neuropathic Pain, Pyrexia, and Toxicity studies.
- B. Basic pharmacological in-vitro experimental techniques
 - Rabbit jejunum, ileum studies
 - Anti-oxidant studies
 - Anti-cholinesterase assays
- C. Performance of PCR and RT-PCR, RNA and DNA extraction from tissues/blood
- D. Immunohistochemistry, Gel electrophoresis, Western blotting, and Histological procedures
- E. Computer and statistical: Graph pad prism version 5, ImageJ, End note, Chem-Draw, Internet, MS Word, Power point.

SUPERVISION/ MENTORSHIP EXPERIENCE

MS/MPhil Scholars:

- Mr. Tayyeb Ullah, Thesis Title is "Preclinical evaluation of benzyl glycine in d-galactose-induced memory impairment in mice, [2022-2024]. Currently he is working as a School teacher.
- Muhammad Usman, Thesis Title is "Evaluation of Anti-inflammatory activity of methyl 2-(5-butyl-6-thioxo-1, 3, 5-thiadiazinan-3-yl), butanoate" [2021-2023]. Currently he is working as a Lecturer at Abasyn University Peshawar.

1. Hassan, A., Khan, J. A., Nasir, F., Shabir, H., Hannan, P. A., Ullah, R., ... & Al-Harrasi, A. (2025). Synthesis, Characterization, and Stability Optimization of Ibuprofen Cocrystals Employing Various Hydrophilic Polymers. *Current Pharmaceutical Design*, volume. 31, page no. 873-883. **Impact factor: 2.8.**
2. Shagufta, Ali, G., Khan, A., Rasheed, A., Deebe, F., **Ullah, R.**, Shahid, M., Ali, H., Khan, R., Shamezai, N. and Sharif, N., (2024). Evaluation of the Ameliorative Potential of 3, 5-bis (2-hydroxyethyl)-1, 3, 5-thiadiazinane-2-thione against Scopolamine-Induced Alzheimer's Disease. *International Journal of Molecular Sciences*, volume 25, page/article no.9104. **Impact factor: 4.9.**
3. Muhammad, U., **Ullah, R.**, Subhan, Z., Bahadar, H., Ahmad, S., & Rasheed, A. (2024). Evaluation of In-vivo anti-inflammatory activity of methyl 2-(5-butyl-6-thioxo-1, 3, 5-thiadiazinan-3-yl), butanoate: In-vivo anti-inflammatory Activity of Methyl Thiadiazinan-3-yl Butanoate. *Pakistan Journal of Health Sciences*, volume 5, page 133-138.
4. Shahid, M., Subhan, F., Ahmad, N., Din, Z.U., Ullah, I., Rahman, S.U., Ullah, R., Farooq, U., Alam, J., Nawaz, N.U.A. and Abbas, S., (2024). 6-Methoxyflavone antagonizes chronic constriction injury and diabetes associated neuropathic nociception expression. *Biochemical and Biophysical Research Communications*, volume 724, article/page number 150217. **Impact factor: 2.2.**
5. Ali, G., Islam, N. U., Qaim, M., **Ullah, R.**, Jan, M. S., Shabbiri, K., ... & Ayaz, M. (2024). 2-Hydroxybenzohydrazide as a novel potential candidate against nociception, inflammation, and pyrexia: in vitro, in vivo, and computational approaches. *Inflammopharmacology*, volume 32, page 643-656. **Impact factor: 5.3.**
6. Jalil, K., Ahmad, S., Islam, N., **Ullah, R.**, Jalil, Q., Sulaiman, S., ... & Ali, E. A. (2023). One Pot Synthesis, Biological Efficacy of AuNPs and Au-Amoxicillin Conjugates Functionalized with Crude Flavonoids Extract of *Micromeria biflora*. *Molecules*, volume 28, page 3320. **Impact factor: 4.6.**
7. Qureshi, S., Ali, G., Muhammad, T., Idrees, M., Ullah, S., Khan, S.A., **Ullah, R.**, Khan, R., Ul-Haq, Z., Mohsin, A.H. and Kong, I.K., (2022). Thiadiazine-thione derivatives ameliorate STZ-induced diabetic neuropathy by regulating insulin and neuroinflammatory signaling. *International Immunopharmacology*, volume 113, page.109421. **Impact factor: 4.7.**

8. I Ullah, F Subhan, M Shahid, N Ahmad, R Shah, J Alam, IU Haq, R Ullah, M Ayaz, & H. C. A Murthy (2022). "Phytochemical Approach in the Management of Cisplatin Induced Vomiting; Neurochemical Considerations in Pigeon Vomit Model." *Oxidative medicine cellular longevity*. Volume 2022, page/article no. 3914408. **Impact factor: 7.31**
9. Dawood S, Arshad I, Fahad S A, Aman U, Gowhar A, Tahir M, **Rahim U**, Robert D E S, Yusuf S A (2022). "The Neuroprotective Propensity of Organic Extracts of *Acacia stenophylla* Bark and Their Effectiveness Against Scopolamine-/Diazepam-Induced Amnesia in Mice." *Journal of Inflammation Research*. Volume 15, page 4785–4802. **Impact factor: 4.1.**
10. **Ullah, Rahim***, et al (2022). "Tannic acid inhibits lipopolysaccharide-induced cognitive impairment in adult mice by targeting multiple pathological features." *International Immunopharmacology*. Volume 110, page/article no. 108970. **Impact factor: 4.7.**
11. Raheem S, Khan R, Pan X, **Ullah R**, Halim SA, Khan A, Al-Harrasi A (2022). One pot domino synthesis of new 3, 5-disubstituted-tetrahydro-2H-1, 3, 5-thiadiazine-2-thiones (THTTs) as anti-inflammatory and antinociceptive candidates: A proof from in-vivo to in-vitro and in-silico mechanistic studies. *Bioorganic Chemistry*. Volume 127, Page 105974. **Impact factor: 4.7.**
12. B.Shal, A.Khan, A.U. Khan, **R.Ullah**, et al. (2022). "Coagulansin-A improves spatial memory in 5xFAD Tg mice by targeting Nrf-2/NF-κB and Bcl-2 pathway" *International immunopharmacology*: Volume: 109, page/article no. 108860. **Impact factor: 4.7.**
13. Farooq, U., Sahibzada, M. U. K., Khan, T., **Ullah, R.**, Shahid, M., Khusro, A., ... & Emran, T. B (2022). Folecitin Isolated from *Hypericum oblongifolium* Exerts Neuroprotection against Lipopolysaccharide-Induced Neuronal Synapse and Memory Dysfunction via p-AKT/Nrf-2/HO-1 Signalling Pathway". *Evidence-Based Complementary and Alternative Medicine*. Volume 2022, page/article no. 9419918. **Impact factor: 2.064**
14. **Ullah, R.***, G.Ali, et al (2022). "Cassia artemisioides attenuates nociceptive and diabetes-induced neuropathic pain modalities apropos antioxidant and anti-inflammatory mechanisms" *Biomedicine and Pharmacotherapy*. Volume 149, page/article no. 112834. **Impact factor: 7.5.**
15. **Ullah, R.***, G. Ali, et al (2022). "The 7-Hydroxyflavone attenuates chemotherapy-induced neuropathic pain by targeting inflammatory pathway" *International immunopharmacology*: Volume 107, page/article no. 108674. **Impact factor: 4.7.**
16. **Ullah, R.***..., et al. (2021). "Attenuation of spatial memory in 5xFAD mice by targeting cholinesterases, oxidative stress and inflammatory signaling using 2-(hydroxyl-(2-

nitrophenyl)methyl)cyclopentanone." *International immunopharmacology*: volume 100, page/article no. 108083. **Impact factor: 4.7.**

17. Naveed, M., **Ullah, R.**, Khan, A., Shal, B., Khan, A, U., Khan, S, Z., Rahman, Z., Khan, S (2021). "Anti-Neuropathic Pain Activity of A Cationic Palladium (II) Dithiocarbamate By Suppressing The Inflammatory Médiators in Paclitaxel-induced Neuropathic Pain Model". *Molecular Biology Reports*. Volume 48, page no. 7647–7661. **Impact factor: 2.8.**
18. **Ullah, R.***, G. Ali, et al (2021). "Cyclopentanone derivative attenuates memory impairment by inhibiting Amyloid plaques formation in the 5xFAD mice." *International journal of molecular sciences*, volume 22, page. 9559. **Impact factor: 4.9.**
19. Farooq, A., Khan, T., Shah, S.A, Hossain, M.S., Ali, Y., **Ullah, R.**... & Capasso, R. (2021). Isolation, Characterization and Neuroprotective Activity of Folecitin: An In Vivo Study. *Life*. Volume 11, page/article no. 825. **Impact factor: 3.4.**
20. Khuda, F., Haq, Z. U., Ilahi, I., **Ullah, R.**, Khan, A., Alkhedaide, A., & Batiha, G. E. S. (2021). Synthesis of gold nanoparticles using Sambucuswightiana extract and investigation of its antimicrobial, anti-inflammatory, antioxidant and analgesic activities. *Arabian Journal of Chemistry*, volume 14, page/article no. 103343. **Impact factor: 5.2.**
21. Ahmad, N., Subhan, F., Islam, N. U., Shahid, M., Ullah, N., **Ullah, R.**, .. & Sewell, R. D. (2021). Pharmacological evaluation of the gabapentin salicylaldehyde derivative, gabapentsal, against tonic and phasic pain models, inflammation, and pyrexia. *Naunyn-Schmiedeberg's Archives of Pharmacology*. Volume 394, pages 2155–2169. **Impact factor: 3.1.**
22. Shal, B., Khan, A., Khan, A.U., **Ullah, R.**, Ali, G., Islam, S.U., Haq, I.U., Ali, H., Seo, E.-K., and Khan, S. (2021). Alleviation of Memory Deficit by Bergenin via the Regulation of Reelin and Nrf-2/NF-κB Pathway in Transgenic Mouse Model. *International journal of molecular sciences*. Volume 22, page/article no. 6603. **Impact factor: 4.7.**
23. Khan, A.; Shal, B.; Khan, A.U.; **Ullah, R.**; Baig, M.W.; ul Haq, I.; Seo, E.K.; Khan, S (2021). Suppression of TRPV1/TRPM8/P2Y Nociceptors by Withametelin via Downregulating MAPK Signaling in Mouse Model of Vincristine-Induced Neuropathic Pain. *International journal of molecular sciences*, volume 22, page 6084. **Impact factor: 4.7.**
24. Khan, J., Ali, G., Rashid, U., Khan, R., Jan, M.S., **Ullah, R.**, Ahmad, S., Abbasi, S.W., Khalil, A.A.K., and Sewell, R.D. (2021). Mechanistic evaluation of a novel cyclohexanone derivative's functionality against nociception and inflammation: an in-vitro, in-vivo and in-

silico approach. *European Journal of Pharmacology*, volume 902, page/article no. 174091.

Impact factor: 4.7.

25. Ilahi, I., Khuda, F., Umar Khayam Sahibzada, M., Alghamdi, S., **Ullah, R.**, Zakiullah, Dabool, A.S., Alam, M., Khan, A., and Ali Khan Khalil, A. (2021). Synthesis of silver nanoparticles using root extract of *Duchesnea indica* and assessment of its biological activities. *Arabian Journal of Chemistry*. Volume 14, page/article no. 103110. **Impact factor: 5.2.**
26. N. Ahmad, F. Subhan, N.U. Islam, M. Shahid, N. Ullah, **R. Ullah**, S. Akbar, M.U. Amin, M. Khurram, I. Ullah, R.D.E. Sewell (2021). A Novel Gabapentin Analogue Assuages Neuropathic Pain Response in Chronic Sciatic Nerve Constriction Model in Rats,. *Behavioural brain research*. Volume 405, page/article no. 113190. **Impact factor: 2.3.**
27. **Ullah, R.***, et al. (2021). "Attenuation of nociceptive and paclitaxel-induced neuropathic pain by targeting inflammatory, CGRP and Substance P signaling using 3-Hydroxyflavone." *Neurochemistry International*: Volume 144, page 104981. **Impact factor: 4.0.**
28. Ahmer, A., Baseer, A., Shah, S.A., Rashid, A., Dar, E., Arain, S.P., Shehzad, M.A., **Ullah, R.**, Nawaz, T., Ahmed, T. and Mangi, A.A., 2021. Treatment Outcomes among the Patients with MDR-Tuberculosis in Peoples Medical College Hospital Sindh Pakistan: A Cross sectional and Comparative Study. *Latin American Journal of Pharmacy*, Volume 40, Page: 149-156. **Impact factor: 0.24.**
29. S.I. Ahmad, G. Ali, T. Muhammad, **R. Ullah**, M.N. Umar, A.N. Hashmi (2020). Synthetic β -hydroxy ketone derivative inhibits cholinesterases, rescues oxidative stress and ameliorates cognitive deficits in 5XFAD mice model of AD, *Molecular Biology Reports*. Volume 47, page no. 9553–9566. **Impact factor: 2.8.**
30. **Ullah, R.***, et al. (2020). "Attenuation of Spatial Memory in 5xFAD Mice by Halting Cholinesterases, Oxidative Stress and Neuroinflammation Using a Cyclopentanone Derivative." *Pharmaceuticals*: Volume 13, page 318. **Impact factor: 4.8**
31. A. Munir, A. Khushal, K. Saeed, A. Sadiq, **R. Ullah**, G. Ali, Z. Ashraf, E.U. Mughal, M.S. Jan, U. Rashid (2020). Synthesis, in-vitro, in-vivo anti-inflammatory activities and molecular docking studies of acyl and salicylic acid hydrazide derivatives, *Bioorganic Chemistry*. Volume 104, page no. 104168. **Impact factor: 4.7.**
32. L. Rukh, G. Ali, **R. Ullah**, N.U. Islam, M. Shahid (2020). Efficacy assessment of salicylidene salicylhydrazide in chemotherapy associated peripheral neuropathy, *European Journal of Pharmacology*. Volume 888, page no. 173481. **Impact factor: 4.7.**

33. S.A. Khan, G. Dastagir, N.U. Uza, A. Muhammad, **R. Ullah** (2020). Micromorphology, pharmacognosy, and bio-elemental analysis of an important medicinal herb: *Verbascum thapsus* L, *Microscopy Research and Technique*. Vol. 83, page 636-646. **Impact factor: 2.1.**
34. Din, Z.U., Iftikhar, S., Rehman, Z., Harris, M., Ambreen, S., Khattak, M., Shahid, M. and **R.Ullah, S.H.**, (2019). Effect of 6-Hydroxyflavone on cisplatin-Induced Histopathological and Biochemical Changes in Liver of Sprague-Dawley Rats. *J. Khyber College of Dentistry*. Volume 9, page no. 7-12.
35. Din, Z.U., Amir, S., Haris, M., Ismail, N., Wazir, N.U., Shahid, M., **Ullah, R.**, Ahmad, N., Farooq, U. and Ullah, I., (2019). Attenuation of cisplatin associated testicular toxicity by 6-hydroxyflavone. *J. Khyber College of Dentistry*. Volume 9, page no. 38-44.
36. Khan, J., G. Ali, R. Khan, **R. Ullah**, and S. Ullah (2019). Attenuation of vincristine-induced neuropathy by synthetic cyclohexenone-functionalized derivative in mice model. *Neurological Sciences*. Volume 40, page no. 1799–1811. **Impact factor: 2.4.**
37. Waqar, Muhammad, AU. Khan, A. Ali, M. Wasim, M. Idrees, Z. Ismail, A. A. Noor, N. Akbar, S. Bano, M. A. Khan, **R. Ullah** (2014). "Prevalence and molecular determination of Hepatitis C infection in Khyber Pakhtunkhwa, Pakistan." *Archives of Clinical Infectious Diseases*. Volume 9, Page no. e17275.
38. Mubarak, Z., Ali, S., Muhammad, W., Sabir, H., Khan, M. I., Shah, F., & **Rahim, U.** (2014). Emergence of carbapenems resistance in *Escherichia coli* isolated from different clinical samples at University Hospital of Pakistan. *International Journal of Biosciences (IJB)*, volume 4, page no. 74-79.

Total Impact Factor: 135.714

Citations 705

h-index 16

i10-index 22

REVIEW BOARD MEMBER OF DIFFERENT JOURNALS

1. Naunyn-Schmiedeberg's Archives of Pharmacology – Springer
2. Phytomedicine-Elsevier
3. Cell Cycle -Taylor & Francis
4. Signa Vitae-PharmamedMado Ltd.
5. International Immunopharmacology-Elsevier
6. Journal of Clinical Medicine-MDPI
7. Integrative Journal of Medical Sciences
8. BioMed Research International-Hindawi

CONFERENCES/WORKSHOPS ATTENDED

1. 1st National Conference on current Research and Practices in Pharmaceutical Sciences, 3rd to 5th November, 2017, at the Faculty of Pharmacy, University of Sindh, Jamshoro.
2. 1st National Conference on Emerging Trends in Pharmaceutical Sciences, October 9 to 11, 2017, at the Department of Pharmacy University of Malakand.
3. One-day seminar organized by Khyber Pakhtunkhwa Pharmacy Council, Peshawar, Pakistan. Topic: Recent Trends in Community Pharmacy and Our Attitudes towards Clinical Pharmacy (Continuous Pharmacy Education).

LANGUAGES

English, Urdu, Pashtu