

# CURRICULUM VITAE

## DR. MOHD. IMRAN

M. Pharm. (Gold Medal), Ph.D. (Pharmaceutical Chemistry)

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**Achievements:** [Listed among top 2% of researchers globally based on citations by Stanford University](#)

<b>Publications</b>	> 150	<b>i10 index (Google scholar)</b>	59
<b>H-index (Google Scholar)</b>	21	<b>Citations (October 22, 2023, Google Scholar)</b>	1810
<b>Research interest score (October 22, 2023, Research Gate)</b>	900.6	<b>Book chapters</b>	3
<b>Patent Applications Filed</b>	12	<b>Published PCT Patent Applications</b>	4
<b>Funded Research Projects (PI/Co-PI)</b>	30	<b>Research Interest: Pharmaceutical/Health Sciences</b>	

## PROFESSIONAL QUALIFICATION

S. No.	Degree (Thesis title)	Specialization	Year	University/Organization
1.	<b>Doctor of Philosophy</b> (Synthesis of novel heterocyclic compounds of potential pharmaceutical interest)	Pharmaceutical Chemistry (Medicinal Chemistry)	2006	Jamia Hamdard, Hamdard University, New Delhi, India.
2.	<b>Master of Pharmacy</b> (Synthesis and biological evaluation of novel isoxazoline derivatives of pharmaceutical interest)	Pharmaceutical Chemistry (Medicinal Chemistry)	2003	Jamia Hamdard, Hamdard University, New Delhi, India.
3.	<b>Bachelor of Pharmacy</b> (All pharmacy subjects)	Pharmaceutical Sciences	2001	Jamia Hamdard, Hamdard University, New Delhi, India.
4	<b>Degree Certificate in Unani Pharmacy</b> (Unani pharmacy subjects)	Unani Pharmacy	2001	Jamia Hamdard, Hamdard University, New Delhi, India.

## OBJECTIVE

Seeking a career opportunity where I can contribute to the growth and development of research with innovative ideas.

## CURRENT JOB PROFILE

Working as Assistant Professor (October 29, 2013) and Head, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Northern Border University, Rafha City – 91911, P.O. BOX 840, Kingdom of Saudi Arabia.

## ADMINISTRATIVE POSTS / COMMITTEE MEMBERSHIPS

1	Head, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Northern Border University, Rafha City – 91911, P.O. BOX 840, Kingdom of Saudi Arabia.
2	Head, Examination Office, Faculty of Pharmacy, Northern Border University, Rafha City – 91911, P.O. BOX 840, Kingdom of Saudi Arabia.
3	Head, E-Learning Committee, Faculty of Pharmacy, Northern Border University, Rafha City – 91911, P.O. BOX 840, Kingdom of Saudi Arabia.
4	Permanent Member Intellectual Property Office, Northern Border University, Kingdom of Saudi Arabia.
5	Member of the Medical Research Unit, Northern Border University, Kingdom of Saudi Arabia.
6	Member of the Student Research Unit, Northern Border University, Kingdom of Saudi Arabia.
7	Members of the Curriculum Development Committee
8	Member of the committee for the development of University IRB

## PAST WORK EXPERIENCE

### Teaching Experience

1. Part-time teacher in the Department of Pharmaceutical Chemistry, Delhi Institute of Pharmaceutical Sciences and Research (University of Delhi), New Delhi, at UG level (August 2003 to April 2004).
2. Teaching assistant in the Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Jamia Hamdard (Hamdard University), New Delhi, from July 2004 to March 2006.

### Industrial Experience

1. Worked as Research Scientist (Senior Scale) in the Department of Intellectual Property (Patents), Research & Development Unit, Ranbaxy Laboratory Limited, Gurgaon (India) from August 4, 2008, to October 18, 2013.
2. Worked as a Research Scientist in the Department of Intellectual Property (Patents), Research & Development Unit, Wockhardt Research Centre, Aurangabad (India) from June 11, 2007, to July 31, 2008.

## RESEARCH ACTIVITIES

APPROVED PROJECTS AS PRINCIPAL INVESTIGATOR			
Project Number	Agency	Title	Status
RG-NBU-2022-1598	Northern Border University	Drug Discovery and Development Against Infectious Disease	<b>In progress</b>
PHAR-2022-11-1393	Northern Border University	In silico studies assisted design, synthesis, and discovery of biologically active isatin derivatives	<b>In progress</b>
3/3/1436/5	Northern Border University	Synthesis and antihypertensive activity of some novel pyridazinones	Completed
4673-PHM-2016-1-6-F	Northern Border University	Molecular modeling studies and synthesis of some benzimidazole derivatives as angiotensin-converting enzyme inhibitors	Completed
4673-PHM-2016-1-6-F	Northern Border University	Molecular modeling studies and synthesis of some benzimidazole derivatives as angiotensin-converting enzyme inhibitors	Completed
5773-PHM-2016-1-6-F	Northern Border University	Phytochemical and Antimicrobial Screening of Hyoscyamus muticus, a plant found in Northern Border Region of Saudi Arabia	Completed
6999-PHM-2017-1-7-F	Northern Border University	Design, synthesis, and biological evaluation of novel prodrug of Alendronate	Completed
7078-PHM-2017-1-7-F	Northern Border University	Design and development of polymeric conjugates for enhancement of bioavailability and safety of Rosuvastatin	Completed
7226-PHM-2017-1-8-F	Northern Border University	Design, synthesis, and anti-tubercular activity of isoniazid derivatives	Completed
7245-PHM-2017-1-8-F	Northern Border University	Development, physico-chemical characterization, and antifungal activity of nanosized particles of Posaconazole	Completed
7658-PHM-2018-3-9-F	Northern Border University	Preparation and in vitro anticancer activity evaluation of some coumarin derivatives	Completed
7659-PHM-2018-3-9-F	Northern Border University	Synthesis and antimicrobial activity evaluation of some azole derivatives	Completed
APPROVED PROJECTS AS CO-INVESTIGATOR			
RG-NBU-2022-1705	Northern Border University	Drug Discovery and Development (Diabetes)	<b>In progress</b>
3-2-1436-5	Northern Border University	Phytochemical analysis and pharmacological screening of some plants of Rafha, Northern Border Province, Saudi Arabia	Completed



5682-PHM-2016-1-6-F	Northern Border University	Design, synthesis, and anti-inflammatory activity of novel quinazolines	Completed
4721-PHM-2016-1-6-F	Northern Border University	Effect of seasonal and geographical variation on the phytoconstituents and medicinal properties of <i>Tribulus terrestris</i>	Completed
7017-PHM-2017-1-7-F	Northern Border University	Biochemical investigation and development of HPLC method for Tacrolimus	Completed
7013-PHM-2017-1-7-F	Northern Border University	Chitosan-Alginate Nanoparticles as a Novel Drug Delivery System for Rutin	Completed
6991- PHM-2017-1-7-F	Northern Border University	Phytochemical investigation and in-vitro biological activity of <i>Sonchus oleraceus</i> and <i>Lactucaserriola</i>	Completed
5777-PHM-2016-1-6-F	Northern Border University	A study to investigate the role of voltage-dependent calcium channel blockers (Cav) in angiogenesis	Completed
7017-PHM-2017-1-7-F	Northern Border University	Biochemical investigation and development of HPLC method for Tacrolimus	Completed
7103-PHM-2017-1-7-F	Northern Border University	In vitro pharmacodynamics study of Zaatar ( <i>Thymus vulgaris</i> ) and its combination with essential oil (olive oil and balsam oil)	Completed
7309-PHM-2017-1-8-F	Northern Border University	Development of essential oil-based fipronil nanoemulsions for the treatment of ectoparasite infestation in animals	Completed
7307-PHM-2017-1-8-F	Northern Border University	Phytochemical screening of extracts of <i>Malva neglecta</i> and evaluation of their biological activity	Completed
7343-PHM-2017-1-8-F	Northern Border University	Preliminary phytochemical screening, HPLC analysis, and biological activity evaluation of extracts of <i>Dodonaea Viscosa</i>	Completed
7451-MED-2017-1-8-F	Northern Border University	Antimicrobial effects of the water-immiscible solvent extracts of olive tree leaves	Completed
7571-SCI-2018-3-9-F	Northern Border University	Phytochemical and Antimicrobial Activity Evaluation of The Water Immiscible Solvent Extracts of Moringa	Completed
7573-SCI-2018-3-9-F	Northern Border University	Isolation, chemical analysis, and free radical scavenging activity of the volatile components of moringa	Completed
7937-PHM-2018-3-9-F	Northern Border University	Development and validation of analytical method for determination of an important flavonoid in <i>Malva neglecta</i>	Completed
7716-PHM-2018-3-9-F	Northern Border University	Physicochemical evaluation and chromatographic studies of <i>Plantago lanceolata</i> grown in Northern Border	Completed

		Province, Saudi Arabia	
COVID-19 RC01	Dr. Sulaiman Al-Habib Medical Services Group Company	Computational Biology Assisted Drug Repurposing Studies of Existing Therapeutic Agents for Novel Covid-19	Completed

## LIST OF PUBLICATIONS

The complete list of publications is available at the following link / QR code.

<https://scholar.google.com/citations?user=oqsJM4AAAAAJ&hl=en>



### Published / Filed Patent Applications

1. **Mohd. Imran**, Abida, Naira Nayeem, Tauquir Alam, Novel pyridazinone derivatives and process for their preparation, **PCT International Publication Number WO2019/202607A1**.
2. Abida, Anupama Diwan, Hamdy K. Thabet, **Mohd. Imran**, Novel 4-(6-oxo-3-substitutedphenylpyridazin-1(6H)-yl)benzaldehydes of Pharmaceutical Interest, **PCT International Publication Number WO2021/124346A1**.
3. Abida, Anupama Diwan, Hamdy K. Thabet, **Mohd. Imran**, Pyridazine Derivatives and their use as Cyclooxygenase-2 Inhibitors, **PCT International Publication Number WO2021/124344A1**.
4. Abida, Anupama Diwan, Hamdy K. Thabet, **Mohd. Imran**, Md. Afroz Bakht, 6-Oxo-3-Phenylpyridazine Based Cyclooxygenase-2 Inhibitors for the Treatment of Inflammatory Disease, **PCT International Publication Number WO2021/186458A1**.
5. **Mohd Imran**, Abida Ash Mohd, Mohammad Tauquir Alam, Northern Border University. Morpholinyl-phenylamino-thiazole derivatives as DNA gyrase inhibitors. **German Patent Number DE202023102123U1**.
6. **Mohd. Imran**, Ethionamide, and prothionamide-based compounds as antitubercular agents, **Indian Patent Application Number 202111028803** (TEMP/E-1/32197/2021-DEL filed on June 26, 2021).
7. **Mohd Imran**, Abida Ash Mohd, Mohammed Sanad Alshammari, Nizal Khalf Alshammry, Faheed Ashawi Alrslani, Muteb Eid Alshammari, Rakan Nazal Alanazi, Northern Border

- University. Smart skin diseases detection medical device. **UK Design Patent Number 6310409**.
8. Mohammed Sanad Alshammari, **Mohd Imran**, Abida Ash Mohd, Ahmed Mershed Alhomoud, Muteb Eid Alshammari, Ahmad Abdullah Alshammari, Aadil Rghailan Alshammari, Northern Border University. Smart vest to detect fluid in lungs. **UK Design Patent Number 6310410**.
  9. **Mohd Imran**, Abida Ash Mohd, Hamdy Khamees Thabet, Md Afroz Bakht, Syed Mohammed Basheeruddin Asdaq, Naira Nayeem, Md Tauquir Alam, Muhammad Wahab Amjad, Maria Abdul Ghafoor Raja, AlAnood Waslullah T. AlHajji. Pyridazine-based pyridine derivatives as biologically active agents. **US Patent Application Number- 18/481,991** (Filing date October 5, 2023).
  10. Syeda Huma Haider Zaidi, Abida Ash Mohd, **Mohd Imran**, Northern Border University. A composition for synthesizing triazole-pyridazinone hybrid compounds as inhibitors of sterol 14 $\alpha$ -demethylase. **German Utility Patent Application Number 202023106041.2** (Filing date October 18, 2023).
  11. Abida Ash Mohd, **Mohd Imran**, Noura Yousif Alnaser, Shams Saud Altimyat, Northern Border University. Composition and method for synthesizing isoniazid-pyridazinone based DPRE1 inhibitors as anti-tubercular agents. **South African Patent Application Number 2023/09585** (Filing date October 13, 2023).
  12. **Mohd Imran**, Abida Ash Mohd, Naira Nayeem, Malik Homoud, Muhannad Thafi Alshammari, Northern Border University. System to Synthesize Pyridazine Derivatives as Cyclooxygenase-2 Inhibitors and Evaluate Inhibitory Activity of the Derivatives. **German Utility Patent Application Number 202023105805.1** (Filing date October 18, 2023).

### **Recent Patent Related Review Articles**

1. Alshrari AS, Hudu SA, Elmigdadi F, **Imran M**. The Urgent Threat of Clostridioides difficile Infection: A Glimpse of the Drugs of the Future, with Related Patents and Prospects. *Biomedicines*. 2023 Feb 1;11(2):426. doi: 10.3390/biomedicines11020426.
2. **Imran et al**. Oral Brincidofovir Therapy for Monkeypox Outbreak: A Focused Review on the Therapeutic Potential, Clinical Studies, Patent Literature, and Prospects. *Biomedicines*. 2023 Jan 19;11(2):278. doi: 10.3390/biomedicines11020278.
3. **Imran et al**. MmpL3 Inhibition as a Promising Approach to Develop Novel Therapies against Tuberculosis: A Spotlight on SQ109, Clinical Studies, and Patents Literature. *Biomedicines*. 2022 Nov 3;10(11):2793. doi: 10.3390/biomedicines10112793.
4. Alshammari MK, ..... **Imran M**. Selenium and COVID-19: A spotlight on the clinical trials, inventive compositions, and patent literature. *J Infect Public Health*. 2022 Oct 4;15(11):1225-1233. doi: 10.1016/j.jiph.2022.09.011.
5. **Imran et al**. An insight into the discovery, clinical studies, compositions, and patents of macozinone: A drug targeting the DprE1 enzyme of Mycobacterium tuberculosis. *J Infect Public Health*. 2022 Sep 1;15(10):1097-1107. doi: 10.1016/j.jiph.2022.08.016.
6. Almehmadi M, ....., **Imran M**. A Glance at the Development and Patent Literature of Tecovirimat: The First-in-Class Therapy for Emerging Monkeypox Outbreak. *Viruses*. 2022 Aug 25;14(9):1870. doi: 10.3390/v14091870.
7. **Imran et al**. Small molecules as kinetoplastid specific proteasome inhibitors for leishmaniasis: a patent review from 1998 to 2021. *Expert Opin Ther Pat*. 2022 May;32(5):591-604. doi: 10.1080/13543776.2022.2045948.



8. **Imran et al.** The Therapeutic and Prophylactic Potential of Quercetin against COVID-19: An Outlook on the Clinical Studies, Inventive Compositions, and Patent Literature. *Antioxidants* (Basel). 2022 Apr 29;11(5):876. doi: 10.3390/antiox11050876.
9. **Imran et al.** Development of Therapeutic and Prophylactic Zinc Compositions for Use against COVID-19: A Glimpse of the Trends, Inventions, and Patents. *Nutrients*. 2022 Mar 14;14(6):1227. doi: 10.3390/nu14061227.
10. **Imran et al.** Discovery, Development, Inventions and Patent Review of Fexinidazole: The First All-Oral Therapy for Human African Trypanosomiasis. *Pharmaceuticals* (Basel). 2022 Jan 21;15(2):128. doi: 10.3390/ph15020128.
11. **Imran et al.** Nigella sativa L. and COVID-19: A Glance at The Anti-COVID-19 Chemical Constituents, Clinical Trials, Inventions, and Patent Literature. *Molecules*. 2022 Apr 25;27(9):2750. doi: 10.3390/molecules27092750.
12. Ashour MA, ....., **Imran et al.** A Review on the Main Phytoconstituents, Traditional Uses, Inventions, and Patent Literature of Gum Arabic Emphasizing Acacia seyal. *Molecules*. 2022 Feb 9;27(4):1171. doi: 10.3390/molecules27041171.
13. **Imran et al.**, Discovery, Development, Inventions, and Patent Trends on Mobocertinib Succinate: The First-in-Class Oral Treatment for NSCLC with EGFR Exon 20 Insertions, *Biomedicines* 2021, 9(12), 1938; <https://doi.org/10.3390/biomedicines9121938>.
14. **Imran et al.**, Discovery, Development, and Patent Trends on Molnupiravir: A Prospective Oral Treatment for COVID-19, *Molecules* 2021, 26(19), 5795; <https://doi.org/10.3390/molecules26195795>
15. **Imran et al.**, Mucormycosis medications: a patent review. *Expert Opin Ther Pat.* 2021, 1-16. DOI: 10.1080/13543776.2021.1939308.
16. **Imran et al.**, Synthetic molecules as DprE1 inhibitors: A patent review. *Expert Opin Ther Pat.* 2021, DOI: 10.1080/13543776.2021.1902990.
17. **Imran et al.**, Trends in the development of remdesivir based inventions against COVID-19 and other disorders: A patent review, *Journal of Infection and Public Health*, 2021, 14(8), 1075-1086. <https://doi.org/10.1016/j.jiph.2021.06.013>
18. **Imran et al.**, Innovations and Patent Trends in the Development of USFDA Approved Protein Kinase Inhibitors in the Last Two Decades. *Pharmaceuticals* 2021, 14(8), 710; <https://doi.org/10.3390/ph14080710>.
19. **Mohd. Imran** and Mohd. Shaharyar. Patent revocation and infringement issues. *The Pharma Review*, 2007, April-May issue, 73 (<http://www.kppub.com/articles/pharmaceutical-industries-of-india-010/patent-revocation-and-infringement-issues.html>).
20. **Mohd. Imran** and Mohd. Shaharyar. An Overview of Patents. *Biosciences Biotechnology Research Asia*, 2006, 3(2a), 393-398.
21. Syed Mohammed Basheeruddin Asdaq, ....., **Mohd.Imran**, Tectona grandis L.f: A comprehensive review on its patents, chemical constituents, and biological activities, *Saudi Journal of Biological Sciences*, 2021. <https://doi.org/10.1016/j.sjbs.2021.11.026>.
22. Ahmed S. Alshrari, ....., **Mohd Imran**, Innovations and development of Covid-19 vaccines: A patent review, *Journal of Infection and Public Health*, 2021, 15(1), 123-131. <https://doi.org/10.1016/j.jiph.2021.10.021>.
23. Syed Mohammed Basheeruddin, ....., **Mohd Imran**, A Patent Review on the Therapeutic Application of Monoclonal Antibodies in COVID-19, *International Journal of Molecular Sciences*, 2021, 22(21), 11953; <https://doi.org/10.3390/ijms222111953>

1. **Imran, M.** Ethionamide and Prothionamide Based Coumarinyl-Thiazole Derivatives: Synthesis, Antitubercular Activity, Toxicity Investigations and Molecular Docking Studies. *Pharm Chem J* 56, 1215–1225 (2022). <https://doi.org/10.1007/s11094-022-02782-0>
2. **Mohd. Imran,** Preparation of Benzimidazole Based Coumarin Derivatives As Antimicrobial and Antioxidant Agents, *Oriental Journal Of Chemistry*, **2019**, 35(4), 1392-1397.
3. **Imran M,** Solubility and Thermodynamics of 6-Phenyl-4,5-dihydropyridazin-3(2H)-one in Various (PEG 400+Water) Mixtures, *Zeitschrift für Physikalische Chemie*, **2018**, doi:10.1515/zpch-2017-1066.
4. **Mohd. Imran.** Synthesis and antimicrobial activity evaluation of some (3*E*)-2,6-diaryl-N-pyridinyl-4,5-dihydropyridazin- 3(2*H*)-imines. *World Journal of Pharmaceutical Research*. **2016**; 5(10): 1221-1229 (Available online).
5. **Mohd Imran.** Molecular modeling studies and angiotensin-converting enzyme inhibitory activity of some 4-benzylidene-2-substitutedbenzoyl-6-phenyl-4,5-dihydropyridazin-3(2*H*)-ones. *Biosciences Biotechnology Research Asia*. **2016**; 13(3): 1383-1388 (Available online).
6. **Mohd. Imran,** Synthesis of Some New N-Phenacylindolylcarboxylic Acids as Cyclooxygenase-2 Inhibitors, *Indian Journal of Heterocyclic Chemistry*, 2020, 30(2), 291-295.
7. **Mohd. Imran.** 2-Butyl-6-phenyl-4,5-dihydropyridazin-3(2*H*)-one: Synthesis, In Silico Studies and In Vitro Cyclooxygenase-2 Inhibitory Activity. *Molbank*, 2020(3), M1155. <https://doi.org/10.3390/M1155>.

#### Recent Pharmaceutical Chemistry Related Research Articles

1. **Imran et al.** Computer-assisted discovery of safe and effective DprE1/ aARs Inhibitors against TB utilizing Drug Repurposing approach. *J Infect Public Health*. 2023 Apr;16(4):554-572. doi: 10.1016/j.jiph.2023.02.005.
2. Shahab M, ....., **Imran et al.** Immunoinformatics Approach to Design Novel and Potent Multi-Epitope-Based Vaccine to Target Lumpy Skin Disease. *Biomedicines*. 2023; 11(2):398. <https://doi.org/10.3390/biomedicines11020398>
3. Aiman S, ....., **Imran et al.** Comparative Proteomics and Genome-Wide Druggability Analyses Prioritized Promising Therapeutic Targets against Drug-Resistant *Leishmania tropica*. *Microorganisms*. 2023 Jan 16;11(1):228. doi: 10.3390/microorganisms11010228.
4. Alam MJ, ....., **Imran et al.** Design, Synthesis, Molecular Docking, and Biological Evaluation of Pyrazole Hybrid Chalcone Conjugates as Potential Anticancer Agents and Tubulin Polymerization Inhibitors. *Pharmaceuticals (Basel)*. 2022 Feb 24;15(3):280. doi: 10.3390/ph15030280.
5. Wasim Pathan, ....., **Mohd. Imran et al.** The role of thiazole acetate derivatives on isolated heart and blood vessels in experimental rats. *Journal of King Saud University - Science*, 34(6), 2022, 102188. <https://doi.org/10.1016/j.jksus.2022.102188>.
6. Naira Nayeem, **Mohd. Imran,** et al. Total phenolic, flavonoid contents, and biological activities of stem extracts of *Astragalus spinosus* (Forssk.) Muschl. grown in Northern Border Province, Saudi Arabia. *Saudi Journal of Biological Sciences*, 29(3), 2022, 1277-1282. <https://doi.org/10.1016/j.sjbs.2021.12.029>.
7. Alghamdi, S., **Imran et al.** Synthesis, Characterization and Antimycobacterial Activity of Some Substituted Phenylpyridazinone Derivatives. *Pharm Chem J* 55, 1367–1371 (2022). <https://doi.org/10.1007/s11094-022-02583-5>
8. Sheikh AA, ....., **Imran et al.** UPLC-MS/MS-Based Analysis of Trastuzumab in Plasma Samples: Application in Breast Cancer Patients Sample Monitoring. *Processes*. 2022; 10(3):509. <https://doi.org/10.3390/pr10030509>



9. Md Tauquir Alam, ....., **Mohd Imran** et al. Solid-Phase Extraction (SPE) Technique to Quantify Cefdinir in Human Plasma Using Liquid Chromatography–Tandem Mass Spectrometry (LC–MS/MS), *Journal of Chromatographic Science*, 2022;, bmac054, <https://doi.org/10.1093/chromsci/bmac054>
10. Mandeep Kumar Arora, ....., **Mohd Imran**, et al. Potential role of nicotinamide analogs against SARS-COV-2 target proteins. *Saudi Journal of Biological Sciences*. 2021, 28(12), 7567-7574. <https://doi.org/10.1016/j.sjbs.2021.09.072>
11. Naira Nayeem, **Mohd Imran** et al. Total phenolic, flavonoid contents, and biological activities of stem extracts of *Astragalus Spinus* (Forssk.) Muschl. grown in Northern Border Province, Saudi Arabia, *Saudi Journal of Biological Sciences*, 2021. <https://doi.org/10.1016/j.sjbs.2021.12.029>
12. Mohammad Asif, **Mohd Imran**. A Mini-Review on Pharmacological Importance of Benzothiazole Scaffold. *Mini-Reviews in Organic Chemistry*, 2021, 18(8), 1086-1097. <https://doi.org/10.2174/1570193X17999201127110214>
13. Ajay Manaithiya, ....., **Mohd Imran**, et al. Current status of novel pyridine fused derivatives as anticancer agents: An insight into future perspectives and structure-activity relationship (SAR). *Current Topics in Medicinal Chemistry*. 2021, 21(25), 2292-2349. <https://doi.org/10.2174/1568026621666210916171015>
14. Asif, Mohammad, **Imran, Mohd**, Husain, Asif. (2021). Approaches for chemical synthesis and diverse pharmacological significance of pyrazolone derivatives: a review. *Journal of the Chilean Chemical Society*, 66(2), 5149-5163. <https://dx.doi.org/10.4067/S0717-97072021000205149>.
15. Mohammad Asif, **Mohd Imran**. Synthesis and Antimycobacterial Activity of 3-(Arylaminoethyl)-5-(Pyridin-4-yl)-1,3,4-Oxadiazole-(3H)-thi-2-One Derivatives Against Mycobacterium Tuberculosis H37rv Strain. *Current Bioactive Compounds* 2021; 17(3): e110520181752. <https://doi.org/10.2174/1573407216999200507122605>
16. Syed Mohammed Basheeruddin Asdaq, ....., **Mohd Imran**, et al. A Review on Potential Antimutagenic Plants of Saudi Arabia. *Applied Sciences*. 2021, 11(18), 8494. <https://doi.org/10.3390/app11188494>
17. Ishraga Eltayeb M A-Elbasit, ....., **Mohd Imran**. Quality Assessment and Biological Activity Evaluation of Different Brands of Olive Oil. *Journal of Pharmaceutical Research International*. 2021, 33(10), 20-28. doi: 10.9734/jpri/2021/v33i1031230.
18. **Imran, M.**, Sharma, J.N., Kamal, M. et al. Standardization and Wound-Healing Activity of Petroleum, Ethanolic and Aqueous Extracts of *Ficus benghalensis* Leaves. *Pharm Chem J* 54, 1057–1062 (2021). <https://doi.org/10.1007/s11094-021-02319-x>.
19. Al-samman, Ali M. M. A.; **Imran, Mohd.**; Bakht, Md. Afroz; Kakhkashan; Siddique, Nadeem A. GC-MS/MS Based Metabolite Profiling and Evaluation of Antimicrobial Properties of *Emblca officinalis* Leaves Extract. *Jordan Journal of Biological Sciences*. 2020, Vol. 13, 659-667.
20. **Mohd Imran**, Mohammad Asif Study of Various Pyridazine and Phthalazine Drugs with Diverse Therapeutical and Agrochemical Activities. *Russ J Bioorg Chem* 46, 745–767 (2020). <https://doi.org/10.1134/S1068162020050167>.
21. **Mohd Imran**, Mohammad Asif Biologically Active Pyridazines and Pyridazinone Derivatives: A Scaffold for the Highly Functionalized Compounds. *Russ J Bioorg Chem* 46, 726–744 (2020). <https://doi.org/10.1134/S1068162020050155>.
22. Thabet HKh, Al-Hossainy AF, **Imran Mohd**. Synthesis, characterization, and DFT modeling of novel organic compound thin films derived from 2-amino-4-(2-hydroxy-3-methoxyphenyl)-4H-thiazolo[3,2-a][1,3,5]triazin-6(7H)-one}. *Optical Materials*. 2020, 105, 109915. Doi: 10.1016/j.optmat.2020.109915.

23. Asif, M., **Imran, M.** Effect of Quorum Sensing Inhibitor Agents against *Pseudomonas aeruginosa*. *Russ J Bioorg Chem* 46, 149–164 (2020). <https://doi.org/10.1134/S1068162020020041>.
24. Md. Afroz Bakht, Mshari Alotaibi, Abdulrahman I. Alharthi, Mohamed H. Geesi, Israf Ud Din, **Mohd. Imran**, Hamdy Khamees Thabet. Zn:Cr Mixed Oxide Catalyzed Facile Construction of 4-Aryl-6-(3-Coumarinyl)Pyrimidin-2(1H)-Ones Derivatives under the Solvent-Free Condition. *Polycyclic Aromatic Compounds*. 2021, 1-15. Doi: 10.1080/10406638.2021.1924800.
25. Abida Khan, Anupama Diwan, Hamdy K Thabet, **Mohd Imran**, Synthesis of novel N-substitutedphenyl-6-oxo-3-phenylpyridazine derivatives as cyclooxygenase-2 inhibitors, *Drug Development Research*, 2020, 1– 12. <https://doi.org/10.1002/ddr.21655>.
26. Abida Khan, Anupama Diwan, Hamdy Kh. Thabet, **Mohd Imran**, Md. Afroz Bakht, Discovery of Novel Pyridazine-Based Cyclooxygenase-2 Inhibitors with a Promising Gastric Safety Profile. *Molecules*, 2020, 25, 2002. <https://doi.org/10.3390/molecules25092002>.
27. Abida, Anupama Diwan, Hamdy K Thabet, **Mohd Imran**, Synthesis of some pyridazine derivatives as antioxidants and antimicrobial agents, *Tropical Journal of Pharmaceutical Research*, 2019, 18(12), 2633-2641. DOI: <http://dx.doi.org/10.4314/tjpr.v18i12.24>.
28. Parth Bhatia, Vrinda Sharma, Ozair Alam, Ajay Manaithiya, Perwaiz Alam, Kahksha, Md Tauquir Alam, **Mohd Imran**, Novel quinazoline-based EGFR kinase inhibitors: A review focussing on SAR and molecular docking studies (2015-2019), *European Journal of Medicinal Chemistry*, 2020, 204, <https://doi.org/10.1016/j.ejmech.2020.112640>.
29. Mohammad Asif, **Mohd Imran**, Antitubercular and Anticonvulsant Activities of Phenyl-dihydropyridazinone Derivatives Containing 2-Substituted amin-1-yl-methyl and 2-(2-1H-amin-1-yl) ethyl Moieties, *Analytical Chemistry Letters*, 2020, 10(3), 414-427. <https://doi.org/10.1080/22297928.2020.1776633>.
30. **Imran M**, Sajwan M, Alsuwat B, Asif M. Synthesis, characterization and anticoagulant activity of chitosan derivatives. *Saudi Pharmaceutical Journal*, 2020, 28(1), 25-32. DOI: 10.1016/j.jsps.2019.11.003.
31. **Imran, M.**, Bakht, M. A., Khan, A., Alam, M. T., Anouar, E. H., Alshammari, M. B., Ajmal, N., Vimal, A., Kumar, A., & Riadi, Y. (2020). An Improved Synthesis of Key Intermediate to the Formation of Selected Indolin-2-Ones Derivatives Incorporating Ultrasound and Deep Eutectic Solvent (DES) Blend of Techniques, for Some Biological Activities and Molecular Docking Studies. *Molecules* (Basel, Switzerland), 25(5), 1118. <https://doi.org/10.3390/molecules25051118>.
32. **Mohd. Imran**, Abdulhakim Bawadekji, Nawaf Alotaibi, Synthesis and evaluation of antimicrobial properties of some azole derivatives, *Tropical Journal of Pharmaceutical Research*, 2020, 19(2), 377-382.
33. Mohammad Asif, Abida, **Mohd. Imran**, Synthesis, characterization and antitubercular activity of 6-(aryl)-2(substituted methyl)-4,5-dihydro(2H)pyridazin-3-one derivatives against *Mycobacterium tuberculosis H37RV*, *International Journal of Pharmaceutical Sciences and Research*, 2020, 11(2), 1000-06. DOI: 10.13040/IJPSR.0975-8232.11(2).1000-06.
34. Md. Afroz Bakht, Mohammed H. Geesi, Yassine Riadi, **Mohd. Imran**, Md. Imtiyaz Ali, Mohamed Jawed Ahsan and Noushin Ajmal, Ultrasound-assisted extraction of some branded tea: Optimization based on polyphenol content, antioxidant potential and thermodynamic study, 2018, *Saudi Journal of Biological Sciences*. <https://doi.org/10.1016/j.sjbs.2018.07.013>.
35. **Mohd Imran**, Mohammed Afroz Bakht, Abdul Samad, and Abida, Synthesis of some quinolone pyrazoline based naphthalenyl thiazole derivatives and their evaluation as potential antimicrobial agents, *Tropical Journal of Pharmaceutical Research*, 2017, 16(5): 1147-1155.



36. **Mohd. Imran Ansari** and Suroor Ahmad Khan, Synthesis and antimicrobial activity of some novel quinolinepyrazoline based coumarinyl thiazole derivatives, *Medicinal Chemistry Research*, 2017, 26, 1481-1496.
37. **Mohd Imran**, Ozair Alam and Abida. Synthesis and antimicrobial activity of some 2-Piperidinomethylamino-4-(7-H/substituted coumarin-3-yl)-6-chlorosubstitutedphenyl pyrimidines. *Tropical Journal of Pharmaceutical Research*. 2016; 15(9): 1955-1965 (Available online).
38. **Mohd Imran** and Abida. 6-(4-Aminophenyl)-4,5-dihydro-3(2H)-pyridazinone-An important chemical moiety for development of cardioactive agents: A review. *Tropical Journal of Pharmaceutical Research* July, 2016; 15(7), 1579-1590 (Available online).
39. **Mohd Imran**, Abida and Abdulkhaliq J Als Salman. Synthesis and evaluation of antimicrobial activity of some 2-morpholinomethylamino-4-(7-unsubstituted/substitutedcoumarin-3-yl)-6-chlorosubstitutedphenyl pyrimidines. *Tropical Journal of Pharmaceutical Research*, 2016, 15(2), 393-404 (Available online).
40. **Mohammad Imran**, Mohammad Shahar Yar and Suroor Ahmad Khan. Synthesis and antihyperglycemic activity of 2-(substitutedphenyl)-3-{[4-(1-naphthyl)-1,3-thiazol-2-yl] amino}-4-oxo-1,3-thiazolidin-5-ylacetic acid derivatives. *Acta Poloniae Pharmaceutica-Drug Research*, 2009, 66(1), 51-56 (Available online).
41. **Mohd Imran**, Babar Ilyas, Deepanjali and Suroor Ahmad Khan. Recent thiazolidinediones as antidiabetics. *Journal of Scientific and Industrial Research*, 2007, 66, 99-109 (Available online).
42. S.W. Haque, **Mohd. Imran**, N. Siddiqui and S.A. Khan. Synthesis and biological evaluation of some novel mannich bases of isatin. *Journal of Pharmaceutical Research*, 2006, 5, 61-64.
43. S.A. Khan, N. Siddiqui, **Mohd. Imran** and S.W. Haque. Synthesis and antimicrobial screening of novel Mannich bases of isatin derivative. *Indian Journal of Pharmaceutical Sciences*, 2005, 66, 830-834.
44. Ozair Alam, **Mohd. Imran** and S.A. Khan. Synthesis and biological activity of some pyrimidine derivatives. *Indian Journal of Heterocyclic Chemistry*, 2005, 14, 293-296.
45. M.A. Bhat, **Mohd. Imran**, S.A. Khan and N. Siddiqui. Biological activities of sulfonamides. *Indian Journal of Pharmaceutical Sciences*, 2005, 67, 151-159.
46. **Mohd. Imran**, S.A. Khan and N. Siddiqui. Therapeutic potential of 2-isoxazolines. *Indian Journal of Pharmaceutical Sciences*, 2004, 66, 377-381.
47. **Mohd. Imran** and Suroor A. Khan. Synthesis of novel 3,5-disubstituted isoxazolines as potential antibacterial and antifungal agents. *Indian Journal of Heterocyclic Chemistry*, 2004, 13, 213-216.

#### **Recent Pharmaceutical/Health Sciences Related Articles**

1. Moyo P, ....., **Imran M**, Dzinamarira T. Prevention of antimicrobial resistance in sub-Saharan Africa: What has worked? What still needs to be done? *J Infect Public Health*. 2023 Apr;16(4):632-639. doi: 10.1016/j.jiph.2023.02.020.
2. **Imran M et al**. Intranasal Delivery of a Silymarin Loaded Microemulsion for the Effective Treatment of Parkinson's Disease in Rats: Formulation, Optimization, Characterization, and In Vivo Evaluation. *Pharmaceutics*. 2023 Feb 12;15(2):618. doi: 10.3390/pharmaceutics15020618.
3. L. Corrie, ....., **Imran et al**. Polysaccharide, fecal microbiota, and curcumin-based novel oral colon-targeted solid self-nanoemulsifying delivery system: formulation, characterization, and in-vitro anticancer evaluation. *Materials Today Chemistry*, 26, 2022, 101165. <https://doi.org/10.1016/j.mtchem.2022.101165>.



4. Kurra P, ....., **Imran M.** Studies on Jackfruit-Okra Mucilage-Based Curcumin Mucoadhesive Tablet for Colon Targeted Delivery. *Front Pharmacol.* 2022 Jul 1;13:902207. doi: 10.3389/fphar.2022.902207.
5. Asdaq SMB, ....., **Imran et al.** Burden of COVID-19: a preliminary analysis in the population of Saudi Arabia. *PeerJ.* 2022 Apr 7;10:e13219. doi: 10.7717/peerj.13219.
6. Mohammed Basheeruddin Asdaq S, ....., **Imran et al.** Obviation of dyslipidemia by garlic oil and its organosulfur compound, diallyl disulphide, in experimental animals. *Saudi J Biol Sci.* 2022 Apr;29(4):2520-2525. doi: 10.1016/j.sjbs.2021.12.025.
7. Kumar Arora M, ....., **Imran M.** Plumbagin Alleviates Intracerebroventricular-Quinolinic Acid Induced Depression-like Behavior and Memory Deficits in Wistar Rats. *Molecules.* 2022 Mar 11;27(6):1834. doi: 10.3390/molecules27061834.
8. Al-Yamani MJ, ....., **Imran et al.** Epidemiological determinants for the spread of COVID-19 in Riyadh Province of Saudi Arabia. *Saudi J Biol Sci.* 2022 Mar;29(3):1306-1312. doi: 10.1016/j.sjbs.2021.12.032.
9. Ashwlayan VD, Antlash C, **Imran et al.** Insight into the biological impact of COVID-19 and its vaccines on human health. *Saudi J Biol Sci.* 2022 May;29(5):3326-3337. doi: 10.1016/j.sjbs.2022.02.010.
10. Basheeruddin Asdaq SM, ....., **Imran M.** Insight into the Advances in Clinical Trials of SARS-CoV-2 Vaccines. *Can J Infect Dis Med Microbiol.* 2022 Feb 9;2022:6913772. doi: 10.1155/2022/6913772.
11. Osama Atiatalla Babiker Ahmed, ....., **Mohd. Imran.** The role of factor V Leiden and prothrombin G20210A mutations for clotting in Sudanese women under oral contraceptive use. *Journal of King Saud University - Science*, 34(2), 2022, 101757. <https://doi.org/10.1016/j.jksus.2021.101757>.
12. Alghamdi A, ....., **Imran et al.** Potential Antioxidant Activity of Apigenin in the Obviating Stress-Mediated Depressive Symptoms of Experimental Mice. *Molecules.* 2022 Dec 19;27(24):9055. doi: 10.3390/molecules27249055.
13. Syed Mohammed Basheeruddin Asdaq, ....., **Mohd Imran**, et al. Wireless Networking-Driven Healthcare Approaches in Combating COVID-19. *BioMed Research International.* 2021, Article ID 9195965, 10 pages. <https://doi.org/10.1155/2021/9195965>.
14. Juveriya Farooq, ....., **Mohd Imran**, et al. Insights into the Protective Effects of Thymoquinone against Toxicities Induced by Chemotherapeutic Agents. *Molecules.* 2022, 27(1), 226; <https://doi.org/10.3390/molecules27010226>
15. Syed Mohammed Basheeruddin Asdaq, ....., **Mohd Imran**, Nagaraja Sreeharsha. Obviation of dyslipidemia by garlic oil and its organosulfur compound, diallyl disulphide, in experimental animals. *Saudi Journal of Biological Sciences.* 2021. <https://doi.org/10.1016/j.sjbs.2021.12.025>
16. Mohammad J Al-Yamani, ....., **Mohd Imran**, et al. Epidemiological determinants for the spread of COVID-19 in Riyadh province of Saudi Arabia. *Saudi Journal of Biological Sciences.* 2021. <https://doi.org/10.1016/j.sjbs.2021.12.032>
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18. Mohammad J Al-Yamani, ....., **Mohd Imran.** The Role Of Serotonergic and Catecholaminergic Systems For Possible Antidepressant Activity of Apigenin. *Saudi Journal of Biological Sciences.* 2022, 29(1). <https://doi.org/10.1016/j.sjbs.2021.11.008>
19. Syed Mohammed Basheeruddin Asdaq, ....., **Mohd Imran.** Identifying Mucormycosis Severity in Indian COVID-19 Patients: A Nano-Based Diagnosis and the Necessity for Critical

- Therapeutic Intervention. Antibiotics. 2021, 10(11), 1308.  
<https://doi.org/10.3390/antibiotics10111308>
20. Archana Adhikari, ....., **Mohd Imran**, et al. Anticancer Drug-Induced Cardiotoxicity: Insights and Pharmacogenetics. Pharmaceuticals. 2021, 14(10), 970.  
<https://doi.org/10.3390/ph14100970>
  21. Syed Mohammed Basheeruddin Asdaq, ....., **Mohd Imran**. Potential Interaction of Fresh Garlic with Metformin during Ischemia-Reperfusion Induced Cardiac Injury in Diabetic Rats. Evidence-Based Complementary and Alternative Medicine. 2021.  
<https://doi.org/10.1155/2021/9739089>
  22. Syed Mohammed Basheeruddin Asdaq, ....., **Mohd Imran**, et al. Nanotechnology Integration for SARS-CoV-2 Diagnosis and Treatment: An Approach to Preventing Pandemic. Nanomaterials. 11(7), 1841. <https://doi.org/10.3390/nano11071841>
  23. Mohammed Asad,....., **Mohd Imran**, et al. Pharmacokinetic and pharmacodynamic interaction of Rosuvastatin calcium with guggulipid extract in rats. Saudi Journal of Biological Sciences. 2021, 28(6), 3490-3496. <https://doi.org/10.1016/j.sjbs.2021.03.015>
  24. Syed Mohammed Basheeruddin Asdaq, ....., **Mohd Imran**, et al. Knowledge, attitude and practices of healthcare professionals of Riyadh, Saudi Arabia towards covid-19: a cross-sectional study. Saudi Journal of Biological Sciences. 2021, 28(9), 5275-5282.  
<https://doi.org/10.1016/j.sjbs.2021.05.036>
  25. Shiemaa Dafalla Alzain, ....., **Mohd Imran**, et al. Effect of Metformin, Glibenclamide, Sitagliptin and their Combinations on Male Rats Fertility. Journal of Young Pharmacists. 2021, 13(2), 124-130. doi:[10.5530/jyp.2021.13.26](https://doi.org/10.5530/jyp.2021.13.26)

#### **Certificate Courses From Elsevier / Springer**

1. **Mohd Imran**, “The Article Publishing Process: An Elsevier Author Workshop (120 minutes)” on Monday 01 June, 2020, Presented by Mary Ann Zimmerman, Senior Publisher, Theren Mohan, Solutions, Sales Manager – eBooks.
2. **Mohd Imran**, “The Book Publishing Process: An Elsevier Author Workshop (120 minutes)”, on Wednesday 03 June 2020, Presented by Stacy Masucci, Publisher, Translational Medicine, Elsevier, Theren, Mohan, Solutions Sales Manager – eBooks.
3. **Mohd Imran**, “Writing a persuasive cover letter for your manuscript,” on Wednesday 27 May 2020, Presented by Anthony Newman, Lora Heisler.
4. **Mohd Imran**, “Evidence-Based Medicine for Clinical Practice, ClinicalKey,” at Northern Borders University, on Tuesday 07 April 2020, Presented by Sherif Onsy, Account Development Manager for MEA.
5. **Mohd Imran**, “Guide to reference managers: How to effectively manage your references,” on Saturday 23 May 2020, Presented by Jorge Sinval, Daniel Christe.
6. **Mohd Imran**, “How to prepare your manuscript,” on Monday 25 May 2020, Presented by Anthony Newman.
7. **Mohd Imran**, “How to write an abstract and improve your article,” on Monday 25 May 2020, Presented by Hannah Foreman.
8. **Mohd. Imran**, “AI in Healthcare,” on May 5, 2020.
9. **Mohd Imran**, “Structuring your article correctly,” on Monday 25 May 2020, Presented by Anthony Newman.

#### **Editorial Team Memberhip**



1. Chief Guest Editor. Topic: Discovery and Development of Monkeypox Disease Treatments. Participating journals of MDPI (Biomedicines, Viruses, Journal of Clinical Medicines, Pathogens and Vaccines). Information available at <https://www.mdpi.com/topics/G0A3959GEM>
2. Guest Editor in Special issue of Medicina (MDPI). The Management and Treatment of Infectious Diseases in Comorbidity with Tuberculosis. Information available at [https://www.mdpi.com/journal/medicina/special\\_issues/9VO78C94E2](https://www.mdpi.com/journal/medicina/special_issues/9VO78C94E2).

## POSTER /ORAL PRESENTATION / ABSTRACTS

1. **Mohd. Imran\*** and Abida. Synthesis and antimicrobial activity evaluation of some coumarin derivatives. ISTE sponsored seminar on Recent Advances in Drug Discovery & Design. Advanced Institute of Pharmacy, Palwal (Haryana), India, 16th March to 20th March 2009.
2. **Mohd. Imran\***, Babar Ilyas, Iftikhar Ahsan, Ozair Alam, S.K. Gupta, and S.A. Khan. Pharmacological activities of novel 1,3,4-thiadiazoles. AIIMS Golden Jubilee Celebrations “HIV/AIDS and TB: Past, Present, and Future.” AIIMS, New Delhi, India, 13th January to 15th January 2006.
3. **Mohd. Imran**, Iftikhar Ahsan\*, Babar Ilyas, Pooja Mullick, Pramod Pant, and S.A. Khan. Novel pyrazolinyl/cyanopyridinyl coumarin derivatives as antimicrobial agents. AIIMS Golden Jubilee Celebrations “HIV/AIDS and TB: Past, Present, and Future.” AIIMS, New Delhi, India, 13th January to 15th January 2006.
4. **Mohd. Imran**, Babar Ilyas\*, Ozair Alam, Waqar Ahmad and S.A. Khan. Isolation and antimicrobial screening of various extracts of Cassia Fistula Linn. Herbal Drugs and Environment Pollution, a satellite session of the third international conference on plants and environmental pollution. Jamia Hamdard, Delhi, India, 04th December 2005.
5. **Mohd. Imran\***, Ozair Alam, S.K. Gupta, N. Siddiqui and S.A. Khan. Synthesis and biological evaluation of some isoxazoliny/pyrazolinyl indole derivatives. 56th Indian Pharmaceutical Congress. Kolkata, India, 3-5 December 2004.
6. Oral presentations as on “Discovery of Ethionamide and Prothionamide Derivatives as Potent DprE1 Inhibitors: Synthesis, Antitubercular Activity, Toxicity Investigations and Molecular Docking Studies” at KSAPT-2021: Reimaging the future of pharmacy and toxicology at Dammam, Saudi Arabia, 27th November to 2<sup>nd</sup> December 2021.

## SEMINAR/CONFERENCES/SYMPOSIA/WORKSHOPS ATTENDED

1. Attended “Faculty Development Program (FDP)” on “Herbal Nanopharmacology” from July 15 to July 19, 2019, at KIET School of Pharmacy, KIET Group of Institutions, Ghaziabad (India).
2. Attended one day conference on “Challenges & Prospects For Clinical Trials in India” on June 15, 2019, at New Delhi (India), organized by the Indian Pharmaceutical Association (Delhi Branch).
3. Attended conference workshop entitled “How to Design Future Drugs” in ETCDD-2018 organized by KIET School of Pharmacy, KIET Group of Institutions, Ghaziabad (India), in collaboration with Zastra Innovations Pvt. Ltd., Bengaluru on 17th August 2018.
4. Attended national conference on “Emerging Trends in Computational Drug Discovery” organized by KIET School of Pharmacy, KIET Group of Institutions, Ghaziabad (India) on 16th & 17th August 2018.
5. Attended Pre-Conference Workshop at Northern Region Conference of Indian Pharmacological Society (NRIPSCON 2017), Organized by Indian Pharmacological Society and Department of Pharmacology, KIET School of Pharmacy, KIET Group of Institutions, Ghaziabad, India, on 31st August 2017.



6. Attended National Seminar on “Challenges and Opportunities in Nanopharmaceuticals” held on 18th August 2017, Organized jointly by Ram-Eesh Institute of Vocational & Technical Education, Greater Noida, and Dr. A.P.J. Abdul Kalam Technical University, Lucknow.
7. Successfully Completed the “User & Operation Training Course of the Compact Titrator Model: G20S, Manufactured by Mettler Toledo - Swiss” held at Faculty of Pharmacy, Northern Border University, Rafha, on May 24-25, 2017.
8. Attended Workshop on “Ethics in Research & Publication and Its Importance in Universities” held at Northern Border University, Rafha, on February 22, 2017.
9. Participated as Convener and the Coordinator in the Workshop entitled “Compact Titrator and its Pharmaceutical Applications” Organized by the Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Northern Border University, Rafha, held on October 31, 2017.
10. Attended National Seminar on “Advances in Technology, Regulatory and Clinical Aspects in Controlled Drug Delivery Systems” organized by the Delhi Pharmaceutical Sciences and Research University & Controlled Release Society (Indian Chapter) at DIPSR, New Delhi, India on July 15, 2016.
11. Attended one day workshop on “Blackboard Learning” held at the Faculty of Pharmacy, Northern Border University, Rafha, Kingdom of Saudi Arabia on 02/07/1436H.
12. Attended workshop on “Principles and Applications of Radiopharmacy” held at the Faculty of Pharmacy, Northern Border University, Rafha, Kingdom of Saudi Arabia, on April 12, 2015.
13. Attended and completed the “Problem Based Learning Workshop” held at the Faculty of Pharmacy, Northern Border University, Rafha, Kingdom of Saudi Arabia, on May 10, 2015.
14. Attended “Workshop of Clinical Trial” held at the Faculty of Pharmacy, Northern Border University, Rafha, Kingdom of Saudi Arabia, on December 21, 2014.
15. Coordinated the successful conduct of “Pharmaceutical Chemistry Day: Pharmaceutical Chemistry & Pharm. D. Program” held at the Faculty of Pharmacy, Northern Border University, Rafha, Kingdom of Saudi Arabia, on December 9, 2014.
16. Attended one day workshop on “Teaching Strategy” at the Faculty of Pharmacy, Northern Border University, Rafha, Kingdom of Saudi Arabia on 06/07/1435 H.
17. Attended a two-day program on “Leading Self” facilitated by Ms. Supreet Malhotra (Dale Carnegie Training India) held at Ranbaxy Laboratories Limited, Gurgaon, Haryana, India on November 29-20, 2012.
18. Attended a two-day program on “Organizing and Goal Setting for Success” facilitated by Mr. Pravesh Vaid and Mr. Neeraj Joshi held at Ranbaxy Laboratories Limited, Gurgaon, Haryana, India on February 9-10, 2012.
19. Attended a two-day training program on “Influencing Skill” organized by the Context Technologies (Gurgaon) at National Corporate Office, Ranbaxy, Gurgaon, Haryana, India on March 15-16, 2011.
20. Attended ISTE sponsored seminar on “Recent Advances in Drug Discovery & Design” held at the Advanced Institute of Pharmacy, Palwal, Haryana, India, from 16th March to 20th March 2009.
21. Attended one-day seminar on "Patent Strategies in Europe for Pharmaceutical Companies-Advanced Program" organized by Boehmert & Boehmert at Mumbai on 23rd February 2008.
22. Attended one-day seminar on “Searching Scientific & Patent Information on STN” organized by Sci-Edge Information at Mumbai, India, on 21st November 2007.
23. Attended AIIMS Golden Jubilee Celebrations on “HIV/AIDS and TB: Past, Present, and Future: 2006”, held at AIIMS, New Delhi, India from 13th January to 15th January 2006.
24. Attended Health Management Seminar-2006 “Challenges In Achieving Millennium Development Goals - Role Of Health Manager” held at Jamia Hamdard, New Delhi, India, on 4th February 2006.
25. Attended “Workshop on NMR Spectroscopy and Its Application” held at Jamia Hamdard, New Delhi, India, from 18th August to 19th August 2006.

26. Attended “Workshop on Good Laboratory Practices (GLP) for Academia” held at AIIMS, New Delhi, India, from 24th November to 25th November 2006.
27. Attended “Intellectual Property Rights Awareness Seminar on Pharmaceuticals” sponsored by the Ministry of Human Resource and Development (Govt. of India), held at Jamia Hamdard, New Delhi, India, on February 26, 2005.
28. Attended “Herbal Drugs and Environment Pollution.” A satellite session of the third international conference on plants and environmental pollution, held at Jamia Hamdard, New Delhi, India, on 4th December 2005.
29. Attended “44th National Pharmacy Week” held at Jamia Hamdard, New Delhi, India, from 20th November to 26th November 2005.
30. Attended Seminar on “Frontier Technologies in Chemical, Biological and Horticultural Sciences” held at the University of Delhi, New Delhi, India, on December 20, 2005.
31. Attended Ranbaxy Science Foundation’s 13th round table conference on “Ethics in Animal Experimentation” held at the Indian Habitate Center, New Delhi, India, on January 10, 2004.
32. Attended 5th Annual Symposium on “Frontiers in Biomedical Research” held at ACBR, Delhi University, India, from 14th April to 16th April 2004.
33. Attended “Patent Awareness Program” sponsored by DST, Jamia Hamdard, New Delhi, India, on January 18, 2003.
34. Attended QIP entitled “Recent advances in Pharmaceutical Sciences” held at DIPSR, New Delhi, India, from 10th November to 14th November 2003.
35. Attended QIP entitled “Recent advances in Pharmacology” held at DIPSR, New Delhi, India, from 17th November to 21st November 2003.
36. Attended a one-day training program on “Guiding Principles for Pharmacists – HIV/AIDS in India & Update on Newer Drug Development for HIV/AIDS and in Ocular Pharmacology” held at AIIMS, Delhi, India on September 7, 2003.
37. Attended a one-day training program on “Guiding Principles for Pharmacists – HIV/AIDS in India” held at Jamia Hamdard, New Delhi, India, on August 3, 2003.
38. Attended “53rd Indian Pharmaceutical Congress” at IARI, Pusa, New Delhi, India, from 21st December to 23rd December 2001.

## **SCHOLARSHIPS / AWARDS / APPRECIATION / NATIONAL COMPETITIONS**

### **Scholarships**

1. Received the University Grants Commission Junior Research Fellowship during the Master of Pharmacy (Pharmaceutical Chemistry).
2. Received the Hamdard National Foundation Research Fellowship in India during the Doctoral Research.
3. Received the Junior Research Fellowship in Engineering and Technology from the University Grants Commission, India, during the Doctoral Research.

### **Awards**

1. Received the First prize with a merit certificate for securing 1st position in the Master of Pharmacy (Pharmaceutical Chemistry), 1st semester, in the year 2002.
2. Received the GOLD MEDAL for securing the first position in the Master of Pharmacy (Pharmaceutical Chemistry) in the year 2003.



3. Received the “Employee of the Quarter Award” at Ranbaxy Laboratory Limited, Gurgaon, India, for identifying one opportunity concerning India and one para IV opportunity concerning the USA for January 2011 to March 2011.
4. Received the “Regional Appreciate Award” at Ranbaxy Laboratory Limited, Gurgaon, India, for the successful launch of Atorvastatin calcium in the USA in April 2012.
5. Received the “Best Teacher Award” in the Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Northern Border University, Rafha, Kingdom of Saudi Arabia, for the academic year 2014-2015.
6. Received the “Best Member Award” of the QAAU Unit, Faculty of Pharmacy, Northern Border University, Rafha, Kingdom of Saudi Arabia, for the academic year 2014-2015.
7. Received the “Best Researcher Award” of the College of Pharmacy, from the Deanship of Scientific Research, Northern Border University, Kingdom of Saudi Arabia, for the academic year 2020-2021.
8. Received the “Best Researcher Award” of the College of Pharmacy, from the Deanship of Scientific Research, Northern Border University, Kingdom of Saudi Arabia, for the academic year 2021-2022.

### **Appreciation Letters**

1. Received “Appreciation Letter” from the Dean, Faculty of Pharmacy, Northern Border University, Rafha, to supervise the students to participate in the Dubai International Pharmaceutical & Technology Conference & Exhibition (DUPHAT) held from February 27 to March 1, 2018.
2. Received “Appreciation Letter” from the Dean, Faculty of Pharmacy, Northern Border University, Rafha, to provide services in the Cardio Pulmonary Resuscitation Unit during the Academic Year 2017-2018.
3. Received “Appreciation Letter” from the Head, Quality Assurance & Accreditation Unit (QAAU) Faculty of Pharmacy, Northern Border University, Rafha, to prepare Quality Mid-Term Examination Papers of the First Term (1438-1439).
4. Received “Appreciation Letter” from the Dean, Faculty of Pharmacy, Northern Border University, Rafha, to supervise the students to participate in the Dubai International Pharmaceutical & Technology Conference & Exhibition (DUPHAT) held from March 7-9, 2017.
5. Received “Certificate of Appreciation” in recognition of participation and successful conduct of the CPR courses for the students during the academic year 1435-1436 H (2015-2016), Faculty of Pharmacy, Northern Border University, Rafha, Kingdom of Saudi Arabia.
6. Received “Certificate of Appreciation” in recognition of participation and successful conduct of the QAAU unit work during the academic year 1435-1436 H (2015-2016), Faculty of Pharmacy, Northern Border University, Rafha, Kingdom of Saudi Arabia.
7. Received “Certificate of Appreciation” in recognition of participation and successful conduct of the extracurricular activities during the academic year 1435-1436 H (2015-2016), Faculty of Pharmacy, Northern Border University, Rafha, Kingdom of Saudi Arabia.

### **National Competitive Examinations**

Qualify the National Level GATE Examination with 91.00 Percentile (All India Rank = 304) in the year 2001.



## MEMBERSHIPS

1. Member of the American Chemical Society, United States of America.
2. Registered pharmacist of the Delhi Pharmacy Council, New Delhi, India.
3. Ex-Member of the Canadian Pharmaceutical Society, Canada.
4. Member of the Indian Pharmaceutical Association (DLH/LM/0445).
5. Member of the Indian Pharmacy Graduate Association (LM-2981).
6. Member of the Saudi Heart Association for CPR

## SOFTWARE SKILLS

1. Windows 2000 (MS Words, Powerpoint, Excel)
2. ACD Labs, ISIS Draw, ChemBio Chem, and 3-D Chem. Sketch Draw.
3. Well-versed in various databases and research tools like Scifinder, Espacenet, Patentscope, Newport, IMS, CA on the web, Delphion, and Molecular Modelling software.
4. Molecular Modelling software (MOE, Swiss dock)
5. Blackboard Learn

## PERSONAL DETAILS

**Father's Name** : Late Mr. Raheem Baksh  
**Date of birth** : 12/04/1979  
**Sex** : Male  
**Marital Status** : Married  
**Wife's Name** : Ms. Abida (PhD in Pharmaceutical Chemistry)  
**Nationality** : Indian  
**Languages known** : English, Hindi, Urdu, Fair Arabic  
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