

CURRICULUM VITAE**Prof. (Dr.) Ozair Alam**

Current Address: Prof. Ozair Alam
(*Gold Medalist and Awarded Young Scientist*)
Professor,
Medicinal Chemistry and Molecular Modelling Lab, Department
of Pharmaceutical Chemistry, School of Pharmaceutical Education
and Research (SPER) (**NIRF Rank# 1 in yr 2024**), Jamia
Hamdard, Mehrauli Badarpur Road, New Delhi-110062.
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PRESENT STATUS

Working as **Professor** in Department of Pharmaceutical Chemistry, Jamia Hamdard.

Deputy Proctor

Deputy Superintendent of Examination SPER, Jamia Hamdard

Member Antiragging committee

Member Programm committee M.Pharm

Member Board of Studies

TEACHING EXPERIENCE

More than **sixteen years** of teaching experience at B. Pharm. and M. Pharm. Level.

- 1. Professor** From 25 Feb, 2022-till date; Department of Pharmaceutical Chemistry, School of Pharmaceutical Education & Research, Jamia Hamdard, Hamdard University, New Delhi, India)
- 2. Associate Professor** From 20 July, 2018-24 Feb, 2022; Department of Pharmaceutical Chemistry, School of Pharmaceutical Education & Research, Jamia Hamdard, Hamdard University, New Delhi, India)
- 3. Assistant Professor, Stage- III**, From July 2015-July 2018; Dept. of Pharmaceutical Chemistry, School of Pharmaceutical Education and Research, Jamia Hamdard
- 4. Assistant Professor, Stage- II**, From 2011-2015; Dept. of Pharmaceutical Chemistry, School of Pharmaceutical Education and Research, Jamia Hamdard
- 5. Assistant Professor, Stage- I**, From 2006-2011; Dept. of Pharmaceutical Chemistry, School of Pharmaceutical Education and Research, Jamia Hamdard

PARTICIPATION IN CORPORATE LIFE

- 1.** Warden, JLN International Boys Hostel, Jamia Hamdard (2006- 2013)
- 2.** Assistant Proctor, Jamia Hamdard (2013-2018)

QUALIFICATIONS	
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PhD (Pharmaceutical Chemistry) 2004-2010

“Design and Synthesis of Novel six-membered Heterocyclic compounds of Pharmaceutical interest”

Research Supervisor: **Prof. Surror A. Khan**

Master of Pharmacy (Pharmaceutical Chemistry) 2002-2004

“Design, Synthesis and Biological evolution of Novel Mannich bases of Pyrimidine derivatives and 2,5disubstituted-1,3,4-oxadiazole derivatives”

Research Supervisor: **Prof. Surror A. Khan**

Performance: 81.00% (Gold medalist)

Bachelor of Pharmacy (Pharmaceutical Sciences) 1998-2002

Faculty of Pharmacy, Jamia Hamdard, Hamdard University, New Delhi

Performance: 62.00%

RESEARCH THRUST AREA	
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1. Synthesis and Computational designing of:

- Antidiabetic agents such as PPAR gamma modulators, Alpha-glucosidase inhibitors and DPP4 inhibitors.
- Anticancer agents such as EGFR Kinase inhibitors, MAP Kinase inhibitors and Tubulin polymerization Inhibitors.

2. Molecular modelling and Docking, QSAR, Virtual Screening (Schrodinger Software).

PROFESSIONAL RECOGNITION/ AWARDS/PRIZE/CERTIFICATE/FELLOWSHIP	
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1. Included in the list of **Top 2% Scientist** by Stanford USA
2. **DST SERB** Young Scientist Award in **2013**.
3. **GOLD MEDAL** in VII convocation (14th Jan 2005) for securing first position in M-Pharm.
4. **First prize** with merit certificate for securing 1st position in M. Pharm.
5. Selected for **J.R.F** by **U.G.C**, during the period of Ph.D
6. Dr. P. D. Sethi Annual Award-2010, **Best Research Papers** on application of TLC/HPTLC in Pharma, Herbal and Miscellaneous Analysis
7. **GATE** qualified in 2002 conducted by Indian Institute of Science, Bangalore

Ph. D. Guidance (12)**Awarded (04) as Supervisor and 02 as Co-supervisor**

- 1. Ms. Kahkasha (2019-2023) ICMR-SRF**
Title: Computational methods based screening of natural compound, virtual screening based pharmacophore modelling & dynamic simulation against diabetes
- 2. Md. Jahangir Alam (2012-2017) UGC-MANF**
Title: Design and synthesis of novel pyrazole derivatives as potential anti-cancer and anti-inflammatory agents
- 3. Mohd.Javed Naim (2013-2018) DST SERB Project**
Title: Design and synthesis of thiazolidinedione derivatives as PPAR γ modulators
- 4. Ms Faraha Nawaz (2013-2021) DST INSPIRE**
Title: Molecular modeling, synthesis and biological evaluation of dihydropyrazole derivatives as potential anticancer agents
- 5. Jannat ul firdaus (2017-2023) ICMR-SRF [Co-Supervisor]**
Title: Synthesis, molecular docking, in-vitro and in-vivo studies of pyrazole derivatives as α -glucosidase inhibitors: Search for potential antidiabetic agents
- 6. Md. Azhar Iqbal (2018-2022) [Co-Supervisor]**
Title: Design, synthesis and Molecular docking of some fused heterocyclic derivatives: Search for potential anticancer agent

Ongoing (10) as PhD Supervisor

- 1. Vishal Mathur (2022- Till date) HNF-Fellowship**
Date of Registration- 24/01/2022
Title: Design, Synthesis and Biological Evaluation of Pyridine Based Scaffold DPP-4 Inhibitors in Treating Type-II
- 2. Mukund Jha (2022-Till date) ICMR-Project**
Date of Registration- 03-02-2022
Title: Design, Computational studies, synthesis and biological evaluation of five and six heterocyclic membered derivatives for anti-diabetic agent
- 3. Shaheen Ali (2022-Till date)**
Date of Registration- 24-06-2022
Title: Synthesis, Molecular Docking, and In-vitro and In-vivo Studies of Pyrazolopyridine Derivatives as Tyrosine Kinase Inhibitors: An anti-cancer Agent
- 4. Anam Illyas (2022-Till date) DST-WISE**

Date of Registration- 13-02-2023

Title: Design and synthesis of five and six heterocyclic derivatives for anticancer activity;
In-vitro and *in vivo* studies supported by molecular docking and 3D QSAR predictions

5. Aadil Ahmad Sheikh (2021-Till date) CSIR-SRF

Date of Registration- 25-01-2021

Title: Development and validation of LC-MS/MS based method for the Therapeutic Drug Monitoring of Linezolid in Indian MDR TB patients

6. Ayesha Afzal (2022-Till date) ICMR-SRF

Date of Registration- 10-07-2022

Title: Knowledge Analytics based searching, designing and screening of natural origin compounds through virtual screening and molecular dynamic simulation for potential antidiabetic agent

7. Shaikh Mohd. Aatif Jamil Ahmed (2024-Till date)

Date of Registration - 27-02-2023

8. Fazlur Rehman (2025-Till date)

Date of Registration - 05-01-2025

9. Anjali Chauhan (2025-Till date)

Date of Registration - 10-01-2025

Postgraduate students (19)

M. Pharm-Pharmaceutical Chemistry (10)

1. Rizwan Azim (2009-2010)

Design and Synthesis of some new Thiazolo [2,3-a] pyrimidine derivatives as anti-inflammatory and anti-microbial agents

2. Mohd Wasi Akhtar (2010-2011)

Design and Synthesis of newer thiazolidinedione Derivatives: Search for Antidiabetic Agents

3. Wasim Akhtar (2011-2012)

Design and synthesis of novel pyrazolyl benzene sulphonamide derivatives bearing thiazolidinedione ring system as potential anti-inflammatory agents

4. Farah Nawaz (2012-2013)

Molecular Modelling Based Design and synthesis of novel pyrazole derivatives bearing hydrazineCarbothioamide skeleton: Search for anticancer and anti-inflammatory agents

5. Jasmine Uthuppan (2013-2014)

Design, synthesis and molecular docking of novel pyrazole derivatives and their biological evaluation for anticancer activity

6. Neelima Shrivastawa (2015-2016)

Molecular modelling based design and synthesis of pyrazole derivatives as anti-inflammatory and anticancer agents

7. Pallavi Goel (2019-2020)

Design, synthesis and in-vivo antidiabetic activity of pyrazole derivatives as α -glucosidase inhibitors

8. Ajay Manaithiya (2019-2021)

In-silico Design, QSAR STUDIES and Synthesis of PyridoPyrimidine based derivatives on Dipeptidyl Peptidase-4 inhibitors as Type 2 diabetes mellitus

9. Saniya Shamim (2020-2022)

Design, Synthesis and Molecular Docking Studies of Novel 3-(Benzo[d]thiazol-2-ylglycyl)-5-((1,3-diphenyl-1H-pyrazol-4-yl)methylene) thiazolidine -2,4-dione Derivatives as inhibitor of DPP IV and Alpha glucosidase for type-II Diabetes

10. Animesh Majumdar (2020-2022)

Design and synthesis of new 2,4-thiazolidinedione incorporated pyrazole and 1,2,3-triazole as possible antidiabetic agents: *In Silico* and *In Vitro* α -glucosidase studies

11. Shoaib Khan (2021-2023)

Design, synthesis and 3D QSAR studies of (E)-1-(Substituted Phenyl)-2-(4-Substituted Phenyl) amino methyl phenoxy Ethan-1-one derivative as anticancer agent

M. Pharm-Pharmaceutical Analysis (07)

1. Atish Kumar(2009-2010)

Bioanalytical An isocratic Reverse phase high performance liquid chromatography method development and validation for simultaneous estimation of atorvastatin and amlodipine

2. Ahmar Khaliq (2011-2012)

Method Development & Validation of Liquid Chromatography Mass Spectrometric (LCMS/MS) Method For the Estimation of Pregabalin in Human Plasma

3. Farha Bano(2014-2015)

Analytical Method Development and Validation of Double Component antiplatelet drug-XY in combined capsule dosage form by RP-HPLC

4. Sania Zaki(2017)

Method development and validation of liquid chromatography mass spectrometric method (LC-MS/MS) for the estimation of canagliflozin

5. Diwakar Sharma(2018)

UPLC-MS/MS Bioanalytical Method development and validation for the estimation of Lesinurad in rat plasma

6. Aadil Ahmad Sheikh(2019)

Development of a simple and rapid LC-MS/MS Method for Therapeutic drug monitoring of Trastuzumab in cancer patients.

7. Ashish Batra(2020)

Development and Validation of Stability Indicating Liquid Chromatographic Method for SGLT2 inhibitor drug Remogliflozin Ebonate Bulk

8. Varikuti Vyshanvi (2021-2023)

Bioanalytical Method Development And Validation For the Estimation of "4-oxo tretinoin" In human K3EDTA Plasma By Using UPLC-MS/MS

PROJECTS	As PI
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1. DST SERB FTY project, year 2013-2016,

Project title: “Pharmacophore Based Designing and Synthesis of Newer Thiazolidinedione Derivatives as PPAR γ Agonist: Search for Antidiabetic Agents” Amount sanctioned: **26 Lakhs (PI)**

2. DST SERB, Core Research Grant, CRG project (2019-2022)

Project title: Insight into the design, computational studies, and synthesis of pyrazole linked aryl carbamothioyl acetamide derivatives: implication for antidiabetic activity through α -Glucosidase inhibition. Amount sanctioned: **34 Lakhs 76 thousand (PI)**

3. ICMR-Extra mural Adhoc Project, started from 1st March 2023, Project title: “Design, Computational studies, synthesis and biological evaluation of imidazo[1,5-a] imidazole, imidazo[1,2-a] pyrazine and thiazolo[5,4-b] pyridine derivatives: Search for novel potent selective DPP4 Inhibitors for the treatment of type-II diabetes mellitus” Amount sanctioned: **17 Lakhs (as PI)**

4. ICMR Funded Project (2025-2028)

Design, Computational studies and Synthesis of novel pyrazole derivatives as propitious agents and evaluating their biological efficacy against breast cancer.

Amount sanctioned: **55 Lakhs**

PUBLICATIONS

Published (116):

2026	2025	2024	2023	2022	2021	2020	2019	2018	2017
	01	11	09	10	06	11	06	10	06
2016	2015	2013	2012	2011	2010	2009	2008	2007	2005
11	07	01	02	09	06	05	02	03	03

H-Index: 33

Google Scholar Citations: 3684

i10 index: 71

2025 (01):

1. Dhawan B, Alam MS, Hamid H, **Alam O**. Synthesis and biological evaluation of thiourea-tethered benzodiazepinones as anti-proliferative agents targeting JAK-3 kinase. *Naunyn Schmiedebergs Arch Pharmacol*. Published online March 3, 2025. doi:10.1007/s00210-025-03853-1.

2024 (11):

1. Shamim S, **Alam O**, Jha M, et al. Triazole scaffold-based DPP-IV Inhibitors for the management of Type-II Diabetes Mellitus: Insight into Molecular Docking and SAR. *Curr Top Med Chem*. Published online October 31, 2024. doi:10.2174/0115680266339313241021053225
2. Maksud N, Bera S, Naim MJ, Alam O. Dapagliflozin: A new hope for the therapeutic treatment of type 2 diabetes mellitus. *European Journal of Medicinal Chemistry Reports*. 100167. 2024. <https://doi.org/10.1016/j.ejmcr.2024.100167>
3. Imran M, Alhadidi QM, Khan SA, et al. Editorial: Medicinal chemistry of active pharmaceutical ingredients of drug products. *Front Chem*. 2024;12:1409042. Published 2024 Apr 17. doi:10.3389/fchem.2024.1409042
4. Ali MH, Alam O, Ali A, Ali MU, Parvez S, Aldosari E, Baboota S, Ali J. Donepezil and Embelin Loaded Nanostructured Lipid Carriers for Direct Brain Delivery as An Intervention for Alzheimer's Disease: Formulation Design, Optimization and Evaluation. *J Clust Sci* **35**, 1021–1044 (2024). <https://doi.org/10.1007/s10876-023-02531-7>

5. Kumar S, Wadhwa K, Pahwa R, Baboota S, Ali J, Rub RA, *et al.* Measuring dopamine in rodent brain tissue by using UHPLC-Xevo-TQD triple quadrupole mass spectrometry: A comparative influence of selegiline nanoemulsion administered intranasally over solution on upregulation of dopamine level. *J Appl Pharm Sci.* 2024;14(02):232–238. <http://doi.org/10.7324/JAPS.2024.134987>
6. Neshat N, Aaghaz S, Nasir A, Alam O, Rao GSN K, Imran M, Das S, Joseph A, Akhtar M. Coumarin-based C-2 cycloalkylated histidine derivatives: Design, synthesis, biological evaluation, molecular docking and MD simulation studies as potential antimicrobial agents. 2024. <https://doi.org/10.1016/j.molstruc.2023.136648>
7. Afzal AH, Alam O, Zafar S, Alam MA, Ahmed K, Khan J, Khan R, Shahat AA, Alhalmi A. Application of Machine Learning for the Prediction of Absorption, Distribution, Metabolism and Excretion (ADME) Properties from *Cichorium intybus* Plant Phytomolecules. *Processes.* 2024; 12(11):2488. <https://doi.org/10.3390/pr12112488>
8. Khan AMA, Nabi N, Abdi G, Jain V, Singh D, Alam O, Ahmad S, Chandra K. Human Pancreatic β Cell Regenerative Therapy: Exploring the Role of Chicoric Acid as a Phytochemical Candidate. *J Phytopharmacol* 2024; 13(2):105-113. doi: 10.31254/phyto.2024.13204
9. Salauddin, Zaidi SAA, Ubaid M, et al. Parkinson's Disease: A Progressive Neurodegenerative Disorder and Structure-Activity Relationship of MAO Inhibitor Scaffolds as an Important Therapeutic Regimen. *CNS Neurol Disord Drug Targets.* Published online October 30, 2024. doi:10.2174/0118715273324300241010054029
10. Kausar H Mujeeb M. Ahad A, Aquil M, Alam O, Ismail MV. Application of Box-Behnken design for the optimization of Khellin-loaded ethosomes formulation for the management of psoriasis in mice. *Journal of Dispersion Science and Technology.* 1-12.
11. Afzal AH, Alam O, Zafar S, Alam A, Khan J. Exploring the Anti-Diabetic Potential of *Cichorium intybus* through Integrated Network Pharmacology Analysis and Molecular Docking Validation. *Journal of Natural Remedies.* 2253-2261. 2024.

2023 (09):

1. Jannatul Firdaus, Nadeem Siddiqui, **Ozair Alam**, Ajay Manaithiya, and Kailash Chandra “Identification of novel pyrazole containing-glucosidase inhibitors: insight into pharmacophore, 3D-QSAR, virtual screening, and molecular dynamics study” *Journal of Biomolecular Structure and Dynamics* 41, no. 19: 9398-9423/(2023) [IF:4.4]
2. Neshat, Naziya, Shams Aaghaz, Abdul Nasir, **Ozair Alam**, GSN Koteswara Rao, Mohd Imran, Subham Das, Alex Joseph, and Mymoona Akhter “Coumarin-based C-2 cycloalkylated histidine derivatives: Design, synthesis, biological evaluation, molecular docking and MD simulation studies as potential antimicrobial agents” *Journal of Molecular Structure* 1295:136648/ (2023)

3. Anjali, Payal Kamboj, **Ozair Alam**, Harun Patel, Iqrar Ahmad, Syed Sufian Ahmad, and Mohd Amir "Design, synthesis, biological evaluation, and in silico studies of quinoxaline derivatives as potent p38 α MAPK inhibitors" *Archiv der Pharmazie* 230030/(2023) [IF:5.1]
4. Mohd Humair Ali, **Ozair Alam**, Asad Ali, Mohd Uzair Ali, Suhel Parvez, Eman Aldosari, Sanjula Baboota, and Javed Ali Donepezil and Embelin loaded Nanostructured lipid carriers for direct brain delivery as an intervention for Alzheimer's disease: Formulation design, Optimization and Evaluation *Research square* 2023
5. Vishal Mathur, **Ozair Alam**, Nadeem Siddiqui, Mukund Jha, Ajay Manaithiya, Sandhya Bawa, Naveen Sharma, Sultan Alshehri, Prawez Alam, Faiyaz Shakeel Insight into Structure Activity Relationship of DPP-4 Inhibitors for Development of Antidiabetic Agents *Molecules*, MDPI 28 (15), 5860/(2023) [IF: 4.9]
6. Ajay Manaithiya, **Ozair Alam**, Shruti Mittal, Mohd Naim, Mohd Imran, Ahmed Subeh Alshrari, Aadil A Sheikh, Imran A Khan An Updated and Focused Review on Heterocyclic Inhibitors for SARS-CoV and SARS-CoV-2 3CLpro Mini Reviews in Medicinal Chemistry, Bentham Science Publishers 23 (5), 576-632/(2023)
7. Kahksha, **Ozair Alam**, Lamya Ahmed Al-Keridis, Jalaluddin Khan, Sameena Naaz, Afshar Alam, Syed Amir Ashraf, Nawaf Alshammari, Mohd Adnan, Md Amjad Beg Evaluation of Antidiabetic Effect of Luteolin in STZ Induced Diabetic Rats: Molecular Docking, Molecular Dynamics, in Vitro and in vivo Studies *Journal of Functional Biomaterials*, MDPI 14 (3), 126/(2023) [IF:4.9]
8. Jannat ul Firdaus, Nadeem Siddiqui, **Ozair Alam**, Ajay Manaithiya, K. Chandra Pyrazole scaffold-based derivatives: A glimpse of α -glucosidase inhibitory activity, SAR, and route of synthesis *Archiv der Pharmazie*, 356(5):e2200421 (2023) [IF:5.1]
9. Anam Ilyas, Shagufi Nazar, Nadeem Siddiqui, **Ozair Alam**, M Shaharyar, Shaiza Siddiqui Conceptual and molecular docking study of newly developed antiepileptic drug cenobamate *World Journal of Advanced Research and Reviews* 17 (3), 281-291/ (2023) [IF:7.8]

2022 (10):

10. Md Jahangir Alam, **Ozair Alam**, Mohd Javed Naim, Farah Nawaz, Ajay Manaithiya, Mohd Imran, Hamdy Khamees Thabet, Sultan Alshehri, Mohammed M Ghoneim, Prawez Alam, Faiyaz Shakeel Recent advancement in drug design and discovery of pyrazole biomolecules as cancer and inflammation therapeutics *Molecules* 27 (24), 8708/ (2022) [IF:4.6]
11. Jannat Ul Firdaus, Nadeem Siddiqui, **Ozair Alam**, Ajay Manaithiya, And Kailash Chandra Identification of novel pyrazole containing α -glucosidase inhibitors: insight into pharmacophore, 3D-QSAR, virtual screening, and molecular dynamics study *Journal of Biomolecular Structure and Dynamics* 1-26 (2022) [IF 4.4]

12. Majed Alrobaian, Sagar Suman Panda, Obaid Afzal, Imran Kazmi, Manal A Alossaimi, Fahad A Al-Abbasi, Waleed H Almalki, Kriti Soni, **Ozair Alam**, Md Naushad Alam, Rehan A Rub, Mahfoozur Rahman, Sarwar BegDevelopment of a validated bioanalytical UPLC–MS/MS method for quantification of Neratinib: A recent application to pharmacokinetic studies in rat plasmaJournal of Chromatographic Science 60, no. 6: 551-558/(2022) [IF:1.5]
13. Mohd Imran, Shah Alam Khan, Abida, Mohammed Kanan Alshammari, Saif M Alkhaldi, Fayez Nafea Alshammari, Mehnaz Kamal, **Ozair Alam**, Syed Mohammed Basheeruddin Asdaq, A Khuzaim Alzahrani, Shahamah JomahNigella sativa L. and COVID-19: A glance at the anti-COVID-19 chemical constituents, clinical trials, inventions, and patent literature Molecules27, no. 9):2750/(2022) [IF:4.6]
14. Azam, Faizul, Ismail M. Taban, Eltayeb EM Eid, Muzaffar Iqbal, **Ozair Alam**, Shamshir Khan, Danish Mahmood, Md Jamir Anwar, Habibullah Khalilullah, and M. U. KhanAn in-silico analysis of ivermectin interaction with potential SARS-CoV-2 targets and host nuclear importin α Journal of Biomolecular Structure and Dynamics40, no. 6:2851-2864/(2022) [IF:5.2]
15. Irtiza Ashaq, N. Beri, S. Mittal, **Ozair Alam**, and S. BawaBiomarkers in disease diagnosis and the role of LC-MS and NMR: A ReviewCurrent Pharmaceutical Design(2022) [IF:3.31]
16. Kahksha, **Ozair Alam**, Sameena Naaz, Vrinda Sharma, Ajay Manaithiya, Jalaluddin Khan, Afshar AlamRecent developments made in the assessment of the antidiabetic potential of gymnema species-From 2016 to 2020Journal of Ethnopharmacology, Elsevier(286) 114908/(2022) [IF:4.36]
17. Sheikh, Aadil Ahmad, **Ozair Alam**, Rehan Abdur Rub, Muzaffar Iqbal, Kunjahari Medhi, Abdulkhalik J. Als Salman, Mohd Imran, Sultan Alshehri, Mohammed M. Ghoneim, And Faiyaz ShakeelUPLC-MS/MS-Based Analysis of Trastuzumab in Plasma Samples: Application in Breast Cancer Patients Sample Monitoring Processes, MDPI10(3):509/ (2022) [IF:3.5]
18. Md. Jahangir Alam, **Ozair Alam**, Ahmad Perwez, Moshahid Alam Rizvi, Mohd Javed Naim, Vegi G. M. Naidu, Mohd Imran, Mohammed M. Ghoneim, Sultan Alshehri, And Faiyaz ShakeelDesign, Synthesis, Molecular Docking, and Biological Evaluation of Pyrazole Hybrid Chalcone Conjugates as Potential Anticancer Agents and Tubulin Polymerization InhibitorsPharmaceutics, MDPI15(3):280/ (2022) [IF:4.6]
19. Mishra, Shobhit, Fahad Saad Alhodieb, Md Abul Barkat, Mohd Zaheen Hassan, Harshita Abul Barkat, Raisuddin Ali, Perwaiz Alam, and **Ozair Alam**Antitumor and hepatoprotective effect of Cuscuta reflexa Roxb. in a murine model of colon cancer Journal of Ethnopharmacology 282:114597/(2022) [IF:4.36]
20. Anam Ilyas, Laiba Anwar, Anwar Habib, Shagufi Nazar, **Ozair Alam**, and Nadeem SiddiquiComputational study on gabapentin as a potential therapy for partial seizuresWorld Journal of Biology Pharmacy and Health Sciences 12, no. 3: 025-032/(2022) [IF: 8.16]

21. Reshal Suri, Yub Raj Neupane, Nikita Mehra, Md Nematullah, Farah Khan, **Ozair Alam**, Ashif Iqbal, Gaurav Kumar Jain, and Kanchan Kohli Sirolimus loaded chitosan functionalized poly (lactic-co-glycolic acid) (PLGA) nanoparticles for potential treatment of age-related macular degeneration *International journal of biological macromolecules* 191:548-559/(2021) [IF:8.02]

22. Ajay Manaithiya, **Ozair Alam**, Vrinda Sharma, Mohd Naim, Shruti Mittal, Faizul Azam, Asif Husain, Aadil Ahmad Sheikh, Mohd Imran, And Imran A. Khan 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* 21(25), 2292-2349/(2021) [IF3.5]

23. Ajay Manaithiya, **Ozair Alam**, Vrinda Sharma, Mohd Javed Naim, Shruti Mittal, And Imran A. Khan GPR119 agonists: Novel therapeutic agents for type 2 diabetes mellitus *Bioorganic Chemistry* 113, 104998/ (2021) [IF5.3]

24. Mohd Imran, Syed Mohammed Basheeruddin Asdaq, Shah Alam Khan, Dhanalekshmi Unnikrishnan Meenakshi, Abdulhakeem S Alamri, Walaa F Alsanie, Majid Alhomrani, Yahya Mohzari, Ahmed Alrashed, Mohammed AlMotairi, Eman H Alkhalidi, Abeer K Alorabi, Ahmed Subeh Alshrari, Mohammad Tauseef, Abida, Saleh I Alaqel, **Ozair Alam**, Md Afroz Bakht Innovations and patent trends in the development of USFDA approved protein kinase inhibitors in the last two decades *Pharmaceuticals* 14, no. 8:710/(2021) [IF:4.6]

25. Saima Khatoun, Nidhi Bharal Agarwal, Mohammed Samim, And **Ozair Alam** Neuroprotective effect of fisetin through suppression of IL-1R/TLR axis and apoptosis in pentylenetetrazole-induced kindling in mice *Frontiers in neurology* 12, 689069/ (2021) [IF:4.08]

26. Farah Nawaz, **Ozair Alam**, Ahmad Perwez, Moshahid A. Rizvi, Mohd Naim, Nadeem Siddiqui, Shakilur Rahman, Mukund Jha, And Aadil A. Sheikh Design, Synthesis, Molecular Docking, and Anticancer Evaluation of Pyrazole Linked Pyrazoline Derivatives with Carbothioamide Tail as EGFR Kinase Inhibitors *Anti-Cancer Agents in Medicinal Chemistry*

27. (Formerly *Current Medicinal Chemistry-Anti-Cancer Agents*) 21(1), 42-60/ (2021) [IF:2.47]

2020 (11):

28. Bharti Mangla, Sarwar Beg, **Ozair Alam**, Waquar Ahsan, Anzarul Haque, Kuldeep Singh Patel, Waleed Hassan Almalki, Majed Alrobaian, And Kanchan Kohli Systematic development and validation of RP-HPLC method for simultaneous estimation of tamoxifen and sulphoraphane with specific application for nanolipidic formulations *Arabian Journal of Chemistry, Elsevier* 13(11) (2020): 7909-7920 [IF:6.2]

29. Hina Kausar, Lubna Abidin, Mohd Mujeeb, Mohd Aqil, And **Ozair Alam** Factorial design-guided optimization of extraction of therapeutically active furanocoumarin khellin from *Ammi majus* L. fruits." *Pharmacognosy Magazine* 16(72), 830-835/ (2020) [IF:1.5]

30. Mukund Jha, **Ozair Alam**, Mohd Javed Naim, Vrinda Sharma, Parth Bhatia, Aadil Ahmad Sheikh, Farah Nawaz Recent advancement in the discovery and development of anti-epileptic biomolecules: An insight into structure activity relationship and DockingEuropean Journal of Pharmaceutical Sciences153, 105494/ (2020) [IF:5.1]
31. Md Azhar Iqbal, Asif Husain, **Ozair Alam**, Shah A. Khan, Aftab Ahmad, Md Rafi Haider, And Md Aftab AlamDesign, synthesis, and biological evaluation of imidazopyridine-linked thiazolidinone as potential anticancer agentsArchiv der Pharmazie353(10), 2000071/ (2020) [IF:5.1]
32. Bharti Mangla, **Ozair Alam**, Rehan Abdur Rub, Muzaffar Iqbal, Archu Singh, Kuldeep Singh Patel, And Kanchan KohliDevelopment and validation of a high throughput bioanalytical UPLC-MS/MS method for simultaneous determination of tamoxifen and sulphoraphane in rat plasma: Application to an oral pharmacokinetic studyJournal of Chromatography B, Elsevier1152, 122260/ (2020) [IF:3.3]
33. Novel quinazoline-based EGFR kinase inhibitors: A review focussing on SAR and molecular docking studies (2015-2019)Parth Bhatia, Vrinda Sharma, **Ozair Alam**, Ajay Manaitiya, Perwaiz Alam, Md Tauquir Alam, And Mohd ImranEuropean Journal of Medicinal Chemistry204, 112640/ (2020) [IF:7.08]
34. Kailash Chandra, Vineet Jain, Masood Azhar, Washim Khan, **Ozair Alam**, Sayeed Ahmad, And Swatantra Kumar JainEffect of augmented glycation in mobilization of plasma free fatty acids in type 2 diabetes mellitusDiabetes & Metabolic Syndrome: Clinical Research & Reviews14(5),1385-1389/ (2020) [IF:8.1]
35. Shagufi Nazar, Nadeem Siddiqui, And **Ozair Alam**Recent progress of 1, 3, 4-oxadiazoles as anticonvulsants: Future horizonsArchiv der Pharmazie353(7) 1900342/ (2020) [IF:5.1]
36. Alam, Ozair, And Farah Nawaz In Silico Design, Synthesis and Anticancer Activity of 3'-(4-(Benzyloxy) phenyl)-1'-Phenyl-5-(Pyridin-4-Yl)-3, 4-Dihydro-1'H, 2H-3, 4'-Bipyrazole as
37. Potential EGFR Kinase InhibitorsIn Proceedings of International Conference on Drug Discovery (ICDD)2020
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ABSTRACT AND POSTER PRESENTED IN CONFERENCE/WORKSHOP

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 - 29.** Design and synthesis of Thiazolo [3,2-a] pyrimidine as Novel structural class of anti-inflammatory agents, UGC-SAP sponsored second national seminar on Regulatory and quality aspects of herbal drugs and botanicals February 01, **2014**, Dept. of Pharmacognosy,
 - 30.** Design and Synthesis of Newer Thiazolidinedione Derivatives: Search For Antidiabetic Agents, APA International Congress on Advances in Human Healthcare Systems, Healthcare India, 20-24th Feb, **2012**, APA International Congress, Indian Habitat Centre, New Delhi.
 - 31.** Pharmacophore Based Designing And Synthesis Of Semicarbazone Derivatives of Pyrimidine As Anticonvulsant Agents” Challenges and Issues in Pharmaceutical Sector in India by UDF on 12th Feb **2012**, DIPSAR, New Delhi.

CONFERENCES/SYMPOSIUM/WORKSHOPS ORGANIZED AS ORGANISING SECRETARY (02)

- 1.** Two days workshop on molecular docking, virtual screening and biologics discovery, 12-13th March, 2018, Dept. of Pharmaceutical Chemistry, SPER, (Hands-on Schrodinger).
- 2.** Two day workshop on recent advancements in molecular modeling and drug design, 21st - 22nd Nov, 2015, Dept. of Pharmaceutical Chemistry, SPER, (Hands-on Schrodinger).

QIPS ATTENDED (05)

1. XX Quality improvement programme “Recent Advances in Pharmaceutical Sciences” by AICTE, One week 05th – 09th March, **2018**, DIPSAR, University of Delhi, New Delhi-110017
2. XX Quality improvement programme “Recent Advances in Pharmaceutical Sciences” by AICTE, One week 05th – 09th December, **2016**, DIPSAR, University of Delhi, New Delhi-110017
3. XIX Quality improvement programme “Recent Developments in Pharmaceutical Chemistry” by AICTE Two weeks 09th March – 20th March **2015**, DIPSAR, University of Delhi, New Delhi-110017
4. XVI Quality improvement programme “Challenges in Pharmaceutical sciences” by AICTE on 21Nov – 2Dec **2011**, DIPSAR, New Delhi.
5. XIV “Frontiers in Pharmaceutical sciences” Quality improvement programme (Q.I.P) by A.I.C.T.E, Delhi University, New Delhi, 27th Feb - 3rd March **2006**

EXTRACURRICULAR ACTIVITIES (04)

1. Participant as Teacher Incharge for In solo Song at Hamdard Fest **2018**.
2. Participant as Teacher Incharge for In collage at Hamdard Fest **2018**
3. Cordinator of Cultural/Literary events at Hamdard Fest **2020**.
4. Cordinator of Duet song at Hamdard Fest **2023**.

EXPERT REVIEWER

1. Bioorganic chemistry, Elsevier
2. Journal of Molecular Structure, Elsevier
3. Journal of Organic Letter, ACS
4. Journal of Chromatography-B, Elsevier
5. Archiv der Pharmazie, Wiley
6. Medicinal Chemistry Research, Springer
7. Chemistry Africa, Springer
8. Chemistry Select, Wiley
9. Letters in Drug Design & Discovery, Bentham

10. Future Medicinal Chemistry, Future Science

11. European Journal of Medicinal Chemistry, Elsevier

MEMBERSHIP

1. Life member of Indian Society of Analytical Scientists (ISAS).

2. Life member of Asian Polymer Association (APA)

PERSONAL DETAILS

Date of Birth 03rd April, 1977

Sex Male

Father's name Mr. Khalilur Rehman

Nationality Indian

Marital status Married

Category: Gen

Whether differently abled (Yes/No): No

DECLARATION

I do hereby declare that all the information given above is true to the best of my knowledge and belief.

Date: 21.11.2023

Place: New Delhi

(Dr. Ozair Alam)