

Curriculum Vitae

Dr. Zamir G. Khan



M.Pharma. (Pharma. Chemistry), Ph.D. (Pharmacy)

Research Section Details

Scopus Author ID: 57191192108

Scopus Author details:

Link: <https://www.scopus.com/authid/detail.uri?authorId=57191192108>

Orcid ID: link: <https://orcid.org/0000-0002-7649-9413>

Google Scholar link:

<https://scholar.google.co.in/citations?user=wdHlDwYAAAAJ&hl=en>

E-mail: khanzamir.5588@gmail.com

09890044661

Maharashtra State Pharmacy Council Registration No.: 135023

Career Objective

To secure an entry-level position in an organization of distinct where I can satisfy my hunger for knowledge & procure more so as to excel my professional skills So that I can be a competent asset for the organization

Academic Profile

Sr no.	Courses	College	Board/Uni	%Marks	Remark	Year
1.	Ph.D.	HRPIPER, Shirpur	KBC NMU, Jalgaon	--	06 Dec 2022	2022
2.	M.Pharm	RCPIPER, Shirpur	N.M.U.	77.30	Distinction (Gold medalist)	2014
3.	B.Pharm	RCPIPER, Shirpur	N.M.U.	81.66	Distinction (Gold medalist)	2012
4.	H.S.C.	KNV, Bhusawal	Nashik	76.67	Distinction	2008
5.	S.S.C.	Dr.ZHUH School, Yawal	Nashik	87.33	Distinction	2006

Academic Experience (8 years)

Working as Assistant Professor at H. R. Patel Institute of Pharmaceutical Education and Research Shirpur Dist Dhule (M.S) 425 405 since 19th August 2014.

Computer Operandi

Operating System: Windows 7, 8, 10.

Office tools: MS PowerPoint, MS Word, MS excel.

Software- Endnote, Design of Experiments.

Analytical Instruments Operandi

UV-Visible Spectrophotometer (Shimadzu), F T Infra-red Spectrophotometer (Shimadzu), HPLC (Shimadzu), HPTLC (Camag), pH meter, Conductometer, Refractometer, Polarimeter, Flame Photometer, Nephelo Turbidimeter, etc.

Project Work: (M. Pharm- 2013-2014)

Thesis Title: Development of RP-HPLC, HPTLC, and UV-Visible Spectrophotometry Methods for Determination of Tadalafil in Bulk and Tablets.

Academic Achievement

- Awarded Gold medal at “North Maharashtra University, Jalgaon” for the first rank in Master of Pharmacy (Pharmaceutical Chemistry) Examination conducted by University in 2014.
- Awarded Gold medal at “North Maharashtra University, Jalgaon” for the first rank in Bachelor of Pharmacy Examination conducted by University in 2012.
- Qualified GPAT 2013 with All India Rank 1868.
- Qualified GPAT 2014 with All India Rank 2635.

Academic Excellence Awards

- Recipient of Late Dr. A Fursule Excellence Award for being Topper in Medicinal Chemistry (Third Year) at R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur.
- Recipient of M R Patel Excellence Award 2010-11 for securing First Rank at North Maharashtra University Jalgaon, in Third year B Pharmacy Examination during the academic year 2010-11.
- Recipient of R. C. Patel Excellence Award for securing first rank and Gold medalist at North Maharashtra University Jalgaon in Final Year B Pharmacy Examination during 2011-12.
- Recipient of R. C. Patel Excellence Award for securing the first rank at North Maharashtra University Jalgaon first rank at the institute in First-year M Pharm Examination during 2012-13

Industrial Work Experience (In plant Training)

- **Completed one-month In-Plant Training** (Production and QC department) at JCPL PHARMA PVT. LTD., Jalgaon (Maharashtra).

Annual Cultural Participation

- Participated in various cultural programs on the Annual Cultural Program during 2009-2014.
- Worked as **Coordinator** for Cultural Program during the academic year 2016-17 and 2017-18.

Presentations/Seminars/ Conferences attended

1. Presented Poster on **“Resealed Erythrocytes as NDDS”** at Bombay College of Pharmacy in Rx Tech Festival 2011 conducted by Indian Pharmaceutical Association.
2. Participated in Two days National Level Seminar on Role of Communication skills in Pharmacy, held at R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur, on 21st and 22nd, March 2011.
3. Actively participated in poster session in National Seminar On **“Current Trends & Recent Advancements on Herbal Formulations”** at R. C. Patel Institute of Pharmaceutical Education & Research, Shirpur conducted by Govt. of India, on 21st – 22nd Feb, 2012.
4. Participated in state-level Orientation program –cum-competition at R. C. Patel Institute of Pharmaceutical Education & Research, Shirpur on 23rd -24th Feb 2012.
5. Participated in National Conference on **“Trends in Chromatography & Spectroscopic Techniques”** at R. C. Patel Institute of Pharmaceutical Education & Research, Shirpur on 06th Oct, 2012.
6. Participated in First Pharma HR Summit held at SMT. Kishoritai Bhojar College of Pharmacy, Kamthi on 13th -14th Oct, 2012.
7. Participated in First Pharma Industry- Institute Interaction Summit held at R. C. Patel Institute of Pharmaceutical Education & Research, Shirpur on 09th and 10th March 2013.
8. Actively participated in One Day National Seminar on **“Recent Advances in the Analytical Research”** at DCS’s A.R.A College of Pharmacy, Nagaon, Dhule. on 05th Oct, 2013.
9. Actively participated in Two Days **National Pharmaceutical Conference** as Delegate held at NMIMS, Shirpur on 10th & 11th January 2014.
10. Participated in Three Days **International Pharmaceutical Conference** as Delegate held at NIRMA University, Ahmadabad on 23rd -25th January 2014.
11. Participated in **National Conference** on **“New Horizons in Pharmaceutical Education and Research”** held at Jamia Ali Allana College of pharmacy Akkalkua, Nandurbar on March 1st 2014.

12. Participated in **International Workshop on “Biopharmaceutics Classification systems in Drug Development: key issues and concerns”** at Hyderabad International Convention Centre, India on October 27th 2014.
13. **Presented poster at 19th Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON 2014)** on “Emerging Trends in Pharmacy Profession and Education on 28th -30th November 2014.
Title: Analysis of Tadalafil using Derivative Spectrophotometry in Bulk Material and in Pharmaceutical Formulation
14. Attended **Third Global Sustainable Biotech Congress 2014** at R. C. Patel A S C College, Shirpur Dist Dhule on 1st to 5th December 2014
15. **Participated as Poster presentation Organizer**, North Maharashtra University, Jalgaon Sponsored “**Health care Delivery at Rural India: Need to Rejuvenate Healthcare System**” held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), 16th January 2015.
16. **Participated as Poster presentation Organizer** for Sci- Finder sponsored, one day national level seminar on ‘**Innovative concepts and methodologies in pharmaceutical research ICMPR-1**, and ASOJ SOFT CAP PVT LTD BARODA Sponsored ASOJPHARMVENTION AWARD 2015, Research competition for undergraduates students held at H R Patel Institute Of Pharmaceutical Education And Research, Shirpur, 04th March 2015.
17. Participated in Library User Orientation Program held at H R Patel Institute Of Pharmaceutical Education And Research, Shirpur, and received **BEST LIBRARY USER WARD-2015** on 30th Sept. 2015.
18. **Presented poster at 20th Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON 2015)** on “Strategic approaches to strengthen Academic and industrial collaborations at Indore (M.P) on 09^h -11th October 2015.
Title: Estimation of lurasidone in bulk and formulation by the first-order derivative area under curve UV- spectrophotometric method
19. **Won a prize in poster presentation from Medicine and Pharmacy Category at North Maharashtra University, Jalgaon Avishkar 2015, (District Level)** organized by R.C. Patel ACS College, Shirpur on 22nd November 2015.
Title: Formulation and Development of Antifungal Liquid Vaporizer – A Social Innovative Idea for Benefit of Community
20. **Won first prize in poster presentation from Medicine and Pharmacy Category at North Maharashtra University, Avishkar 2015, (University Level Research Convention)** organized by North Maharashtra University, Jalgaon during 22nd -23rd December 2015.
Title: Formulation and Development of Antifungal Liquid Vaporizer – A Social Innovative Idea for Benefit of Community
21. **Actively participated as Organiser Committee Member** for North Maharashtra University Sponsored, One-day state-level Seminar on “**Intellectual Property Rights , Patents: Present Need and Opportunities**” held at H. R. Patel

Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 23rd January 2016.

22. **Actively participated as Organising Committee Member for Department of Science and Technology (DST), Government of India Sponsored Five days “INSPIRE INTERNSHIP”** (Science Camp) held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), from 15th Feb – 19th Feb 2016.
23. **Participated as Organiser Committee Member** for North Maharashtra University Sponsored, **One day state level Seminar on “PREVENTING SUICIDE – A GLOBAL IMPERATIVE”** held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 27rd February 2016.
24. **Participated as Organiser Committee Member** for Phoenix India Solution Sponsored one day national level seminar on **‘Innovative concepts and methodologies in pharmaceutical research ICMR -2**, and **As Co Coordinator** for ASOJ SOFT CAP PVT LTD, BARODA Sponsored PHARMVENTION AWARD 2016, Research competition for undergraduates students held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 19th March 2016.
25. **Actively participated as Organiser Committee Member** for Department of Science and Technology (DST), Government of India Sponsored Five days “INSPIRE INTERNSHIP” (Science Camp) held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), from 27th Sept – 01st Oct 2016.
26. **Actively participated** in one day National Conference on *structure interpretation of organic compounds* held at R. C. Patel Institute of Pharmaceutical Education & Research, Shirpur, Dist Dhule (M. S), on 24th Sept. 2016.
27. **Actively participated (presented poster)** for two days national level seminar on *emerging trends in drug discovery and development* sponsored by Savitribai Phule Pune University held at S. S. Jain College of Pharmacy Chandwad on 21st and 22nd Oct. 2016. **Title:** Quantitative determination of lurasidone in bulk and Pharmaceutical formulation by the first-order derivative area under curve UV-spectrophotometric method.
28. **Grabbed prize in poster presentation from Medicine and Pharmacy Category at North Maharashtra University, Jalgaon Avishkar 2016, (District Level)** organized Vidyavardhini Sabah’s Arts, Commerce and Science College, Dhule, on 3rd January 2016.
Title: Factorial Design for Optimization, Development and Validation of RP-HPLC Method to Estimate Tadalafil in Pharmaceutical Formulation
29. **Actively participated as Organiser Committee Member** for Maharashtra State Board of Technical Education Mumbai Organised State Level Technical Quiz Competition 2016-2017 conducted by H R Patel Institute of Pharmacy, Shirpur Dist Dhule (M.S) on 04th February 2017.

30. **Actively participated in Two Days Workshop on Personality Development “Junoon- 2017”** held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), from 20th and 21st Feb 2017.
31. Participated in a **one-day seminar** on “Instrumentation and Applications of HTPLC in drug Analysis” organised by SES’s R. C. Patel Institute of Pharmaceutical Education & Research, Shirpur on 09th September 2017.
32. **Actively participated in 09 Days Faculty Development Program for “Global Business Foundation Skills** “conducted by Infosys BPO Ltd. at Pune from 20th to 28th June 2017.
33. **Actively participated in a poster presentation from Medicine and Pharmacy Category at North Maharashtra University, Jalgaon Avishkar 2017, (District Level)** organized by SPDM College Shirpur on 21st December 2017.
Title: Ecofriendly Graphene Aerogel Technology for Environmental Remediation.
34. **Actively participated as Organiser Committee Member** for Department of Science and Technology (DST), Government of India Sponsored Five days “INSPIRE INTERNSHIP” (Science Camp) held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), from 02nd Jan to 06th January 2018.
35. **Participated in Stress-free management workshop**, Sponsored by North Maharashtra University, organized by R C Patel Arts Sci. Comm. College, Shirpur on 22nd February 2018.
36. **Participated as Organiser Committee Member** for one-day national level seminar on **Innovative concepts and methodologies in pharmaceutical research ICMPR -3**, and PHARMVENTION AWARD 2018, Research competition for undergraduates students held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 10th March 2018.
37. **Attended** Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Sponsored One Day National Conference on “**A Global Perspective on Pharmaceutical IPR: Challenges and Potential**” organized by SES’s R. C. Patel Institute of Pharmaceutical Education & Research, Shirpur on 08th September 2018.
38. **Actively participated in a poster presentation from Medicine and Pharmacy Category at North Maharashtra University, Jalgaon Avishkar 2018, (District Level)** organized by R C Patel Arts Commerce Science College Shirpur on 26 December 2018. **Title:** Fabrication of Luminescent Graphene Quantum Dots (GQDs) from Carbonized Citric Acid: Assessment of processing parameters.
39. Participated at **Dhule District Level Inter-Collegiate Yuthfestival 2018-19 (Yuvarang 2019)** as **Team Manager** organized by Student Development Department, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon and SMT. Narmadabai Nago Chaudhari Arts Commerce and Science College Kusumba at Kusumba on 04th February 2019.
40. Participated in a blended mode workshop on ‘**Moodle Learning Management System**’ training was organized by the Teaching Learning Centre (ICT) at IIT

Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India held at the R. C. Patel Institute of Technology, Shirpur on 15th March 2019.

41. Participated as Local Organising Committee member in **“Entrepreneurship Development Program on How to start a Business, Finance and Project Report”** Sponsored by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon and organized by H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 12 March 2019.
42. Participated in **Volleyball League 2019**, organized by SES Shirpur and R C Patel Edu Trust’s Ambition Health Club, Shirpur between 07th July 2019 to 14th July 2019 at R C Patel Educational Campus Shirpur.
43. **Actively participated as Organising Committee Member** for Department of Science and Technology (DST), Government of India Sponsored Five days **“INSPIRE INTERNSHIP”** (Science Camp) held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), from 19th Nov 2019 to 23rd Nov 2019.
44. **Grabbed prize in poster presentation from Medicine and Pharmacy Category at KBC North Maharashtra University, Jalgaon Avishkar 2019, (District Level)** organized by V.V.M’s S. G. Patil Arts, Science and Commerce College, Dhule, on 30th December 2019.
Title: Green synthesis of N-GQDs as a dual sensor for ferric and glutathione.
45. **Attended First Term Review and Planning and Student Council Election One day Workshop** Organized by Student Development Department, KBC NMU Jalgaon on 27th June 2019.
46. **Actively participated in a poster presentation from Medicine and Pharmacy Category at KBC, North Maharashtra University, Jalgaon for Avishkar 2019, (University Level Research Convention)** organized by KBC North Maharashtra University, Jalgaon on 08th - 09th January 2020.
Title: Green synthesis of N-GQDs as a dual sensor for ferric and glutathione.
47. **Actively participated as Team Leader in Inter-Collegiate Yuthfestival 2019-20 (Yuvarang 2020)** jointly organized by Student Development Department, KBC NMU Jalgaon and P.S.G.V.P. Mandal's S.I. Patil Arts, G. B. Patel Science & STKVS Commerce College, Shahada, Dist- Nandurbar held on 16th - 20th January 2020.
48. **Actively participated in AICTE sponsored one week Short-Term Training Programme (STTP) on "Medicinal Chemistry in Drug Discovery”** organized by School of Pharmacy and Technology Management SVKM's NMIMS, Shirpur, Maharashtra, on 26-31 August 2019.

ONLINE MODE

49. Successfully completed Online **COURSERA** Course on “Assessment for Learning” authorized by University of Illinois at Urbana-Champaign and offered through Coursera on 26 August 2020.
50. Successfully completed Online **COURSERA** Course on “Learning to Teach Online” authorized by UNSW Sydney (The University of New South Wales) and offered through Coursera on 11 September 2020.
51. Successfully completed Online **COURSERA** Course on “Write Professional Emails in English” authorized by Georgia Institute of Technology United States and offered through Coursera on 01 October 2020.
52. Successfully completed Online **COURSERA** Course on “Chemicals and Health” authorized by Johns Hopkins University and offered through Coursera on 18 September 2020.
53. Successfully completed Online **COURSERA** Course on “Speak English Professionally: In-Person, Online & On the Phone” authorized by Georgia Institute of Technology and offered through Coursera on 29 September 2020.
54. Actively participated and completed **one week National Level e-FDP** on “**Transforming Global Health: Role of Pharmacists**” organized by the Faculty of Pharmacy held from 25 to 30 September 2020.
55. Successfully completed **Four Week Online FDP (MOOC) on “Effective use of ICT Tools in Teaching-Learning”** from 08 June to 07 July 2020.
56. Actively participated & completed AICTE Training and Learning (ATAL) Academy Online FDP on "Personal Effectiveness" from 21-25 September 2020 at H R Patel Institute of Pharmaceutical Education & Research.
57. Actively participated & completed **AICTE Training And Learning (ATAL) Academy Online FDP** on "Blended Learning and Flipped Classroom" from 2020-8-24 to 2020-8-28 at JIS College of Engineering.
58. Actively participated in the **Train-the-Teacher Training Program (TTT Program)** on the theme ‘Online Learning: Live Classroom Teaching Platforms’, organized by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Maharashtra) during July 24-27, 2020.
59. Actively participated as a delegate in AICTE Sponsored **2-week ONLINE Quality Improvement Program for Faculty** “New Horizons in Quality Management Systems: Academic & Industry Perspectives” organized by POONA COLLEGE OF PHARMACY, PUNE, 7-19 December, 2020.
60. Actively participated as delegate in **AICTE Sponsored online short-term training program (STTP)** on “Computer-Aided Drug Designing: A Customized and Innovative Solution to the Greatest Challenges in Chemistry”, organized by Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial COLLEGE OF PHARMACY, BELA (Ropar), Punjab, from 11 -16 January 2021.
61. Actively participated in an **online one week Short Term Training Program** (14th to 19th June 2021) on “STTP B: Advances in pharmaceutical research: A journey from academics to industry” sponsored by All India Council for

Technical Education, New Delhi, and organized by Government College of Pharmacy, Aurangabad.

62. Attended & successfully completed **AICTE Sponsored Online one-week short-term training program (STTP)** - Series III on “Pedagogy for effective use of ICT in Pharmacy” held on 21st June to 26th June 2021, organized by Sanjivani College of Pharmaceutical Education and Research, Kopergaon.
63. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Foundation of Pharmaceutical Innovation and Research**" from 06/09/2021 to 10/09/2021 organized by the Department of Pharmacy, Central University of Rajasthan.
64. **Presented poster and Secured Second Rank** in scientific paper presentation competition in GUJCOST Sponsored International e-Conference on “Pharmaceutical Sciences and Drug Developments” from **Teacher category** on 9-September 2021, organized by Faculty of Pharmacy, Nootan Pharmacy College, Sankalchand Patel University, Visnagar-384315, Gujarat, India.
65. **Presented poster and Received Best Poster Award (with 1000 INR cash prize)** in AICTE Sponsored Online National Conference on “Precision Medicine: Current Scenario and Future Aspects” held on 24-25 September 2021.
66. **Presented poster** in the International E-Conference on “Multidisciplinary Research towards Sustainable Development” on 03 October 2021 organized by Indian Academicians and Researchers Association, Delhi NCR.

Publications (Research/ Review) CUMULATIVE IMPACT FACTOR: 45.327

1. **Zamir G. Khan**, Amod S. Patil, and Atul A. Shirkhedkar, Published Research paper “Estimation of Tadalafil Using Derivative Spectrophotometry in Bulk Material and in Pharmaceutical Formulation”, **International Journal of Spectroscopy Volume 2014, Published 21 May 2014, 6 pages, (ISSN: 1687-9449)**.
2. **Khan Z. G.**, Bari S B, Surana S J and Shirkhedkar A. A, Published Review “A Review of Analytical Methods for Estimation of Tadalafil in Pharmaceutical Formulations”, **Indian Drugs, Year 2015 March, Volume No. 52, Issue No. 3, Page No. 5 – 9, (ISSN: 0019-462X)**.
3. **Khan Z. G.**, Shirkhedkar A. A., Bari S. B. “Estimation of lurasidone in bulk and formulation by First Order Derivative AUC UV Spectrophotometric method”, **International Journal of Pharmaceutical Sciences and Research, Scientific Proceeding APTICON 2015, page no. 602-604, (ISSN: 0975-8232)**
4. **Khan Z G**, Surana S J and Shirkhedkar A. A “Studies on HPTLC and RPHPLC methods for determination of tadalafil in pharmaceutical dosage form”, **Indian Drugs, January Year 2016, Volume No. 53, Issue No. 01, Page No. 38-46. (ISSN: 0019- 462X)**
5. **Z G Khan**, SB Bari, DD Patil, “Lurasidone: A review of analytical methods for estimation in pharmaceutical formulation,” **International Journal of Life**

Sciences and Review, 29th Feb Year 2016, Volume No. 02, Issue No. 02, Page No. 17-22. (ISSN: 2394- 9864)

6. B. Patil Prashant, K. More Rupesh, **Z G Khan**, "Process validation of Bethanechol Hydrochloride tablet 25mg," **International Journal of Pharmaceutical, Chemical And Biological Sciences, June, 2016, Volume No. 06, Issue No. 02, Page No. 167-181. (ISSN: 2249- 9504)**
7. N M Bari, **Z G Khan**, D. D. Patil, "Analytical methodologies for determination of Methylcobalamin: An overview," **Austin Journal of Analytical and Pharmaceutical Chemistry, 14th April, 2016, Volume No. 03, Issue No. 01, Page No. 01-06. (ISSN: 2381- 8913)**
8. Patil Prashant B, Nandwalkar Rahul K, **Khan Zamir G**. Prospective Process Validation Study of Nifedipine Extended-Release Tablets. **Inventi Rapid: Pharm Analysis & Quality Assurance**, 2016(3):1-7, 2016. [ISSN 0976-3813]
9. Patil Prashant B, Nandre Atul N, Bari Sanjay B, **Khan Zamir G** , Concurrent Process Validation Study of Cilnidipine and Chlorthalidone Tablets. **Inventi Rapid: Pharm Analysis & Quality Assurance**, 2016(4):1-7, 2016. [ISSN 0976-3813]
10. Donda, Shailesh T, Vishal B. Baviskar, Sanjay B. Bari, Prashant K. Deshmukh, Darshan S. Deore, Nayandip M. Girase, **Zamir G. Khan**, and PRAVIN O. PATIL. "Development and Validation of RP-HPLC Method for the Simultaneous Estimation of Tramadol Hydrochloride and Dicyclomine in Bulk and Pharmaceutical Formulation." **Journal of the Chilean Chemical Society** 2016, 61,(2): 2852-2855, **(Impact Factor- 0.188 -Year 2016)**.
11. **Khan Z. G.**, Patil S. S., Deshmukh P. K. and Patil P. O., Validated RP-HPLC Method For Determination Of Enzalutamide In Bulk Drug And Pharmaceutical Dosage Form, **INDIAN DRUGS** 2016, 53 (11): 46-50.
12. **Zamir G. Khan**, Shwetal S P, Prashant K D, and Praveen O P, Validated UV Spectroscopic Methods for Determination of Enzalutamide in Pure and Pharmaceutical Dosage Form, **Analytical Chemistry: An Indian Journal, Research**, 2016;16(15):111-118 ISSN 0974-7419.
13. **Zamir G. Khan**, Bhavsar S. Vaidehi, Gujarathi N. Sarang, Gujarathi B. Shivam, Prashant B. Patil, Second Order Derivative Spectrophotometric Method for Estimation of Lurasidone in Bulk and Pharmaceutical Formulation, **Journal of PharmaSciTech**, ISSN: 2231: 3788 (Print) 2321 4376 (Online), Volume 7, Issue 1, 2017; 1-4.
14. Prashant B Patil, Vivekanand K Chatap, Mahesh P More and **Zamir G. Khan**, Prospective Process Validation Study of Glibenclamide 2.5 mg Tablets, **Current Research in Pharmaceutical Sciences** 2018; 08 (02): 224- 223, ISSN: 2250 – 2688., published on 8 July 2018.
DOI: <https://doi.org/10.24092/CRPS.2018.080201>
15. **Zamir G. Khan**, Sanjaykumar B. Bari, Sarang N. Gujarathi, Shivam B. Gujarathi, Prashant B. Patil, Azilsartan: A Review of Analytical Methods for estimation in Pharmaceutical Formulation, **Asian Journal of Pharmaceutical Analysis**, 2018,

- 08(04): 227-232, Asian Pharma Press, A and V Publications, ISSN Print: 2231-5667 ISSN Online:2231-5675., published on 25 December 2018.
16. Pravin O. Patil, Gaurav R. Pandey, Ashwini G. Patil, Vivek B. Borse, Prashant K. Deshmukh, Dilip R. Patil, Rahul S. Tade, Sopan N. Nangare, **Zamir G. Khan**, Arun M. Patil, Mahesh P. More, Murugan Veerapandian, Sanjay B. Bari, Graphene-based nanocomposites for sensitivity enhancement of surface plasmon resonance sensor for biological and chemical sensing: A review. *Volume 139*, 15 August 2019, Article Number: 111324, Reference: BIOS 111324, **Biosensors and Bioelectronics** (12 May 2019), (**Impact Factor- 9.520-Year 2019**).
DOI: <https://doi.org/10.1016/j.bios.2019.111324>,
 17. Ganesh B. Patil, Rajendra P. Marathe, **Zamir G. Khan**, Dilip A. Patil, Prashant B. Patil, Tablet scoring study of enalapril maleate tablets USP 20 mg, **Journal of Pharmaceutical and Biological Sciences**, July-December, 2019;7(2):50-55.
 18. **Zamir G. Khan**, Pravin O. Patil, A comprehensive review on carbon dots and graphene quantum dots based fluorescent sensor for biothiols, **Microchemical Journal**, 157 (2020) 105011, (Available online 11 May 2020), ISSN: 0026-265X, (**Impact Factor- 4.821**) (**Year 2020**),
DOI: <https://doi.org/10.1016/j.microc.2020.105011>
 19. Ganesh B Patil, Jitendra K Sonawane, **Zamir G Khan**, Dilip A Patil, Forced degradation study of different brands of levocetirizine dihydrochloride by UV-spectroscopy, **International Journal of Pharmaceutical Chemistry and Analysis** 2020;7(2):1–5., 2249 – 7595., published on 30/08/2022.
 20. **Zamir G. Khan**, Pravin O. Patil, Fabrication of polyethyleneimine surface-functionalized fluorescent carbon dots and its applications towards highly sensitive and selective detection of glutathione in aqueous medium and *in vitro* cell imaging of *HeLa* cells, **Journal of Materials Science: Materials in Electronics**, 32, 23215–23231 (2021), 21 August 2021, Springer (ISSN: 1573-482X), (**Impact Factor- 2.779, Year 2021**).
DOI: <https://doi.org/10.1007/s10854-021-06808-3>
 21. Sopan N. Nangare, Sayali R. Patil, Ashwini G. Patil, **Zamir G. Khan**, Prashant K. Deshmukh, Rahul S. Tade, Mahendra R. Mahajan, Sanjaykumar B. Bari Pravin O. Patil, “Structural design of nanosize-metal–organic framework-based sensors for detection of organophosphorus pesticides in food and water samples: current challenges and future prospects”, *Journal of Nanostructure in Chemistry*, Springer, (ISSN: 2193-8865), pp-1-36, (**Impact Factor- 8.000, Year 2021**), 13 October 2021, DOI: <https://doi.org/10.1007/s40097-021-00449-y>
 22. **Zamir G. Khan**, Pravin O. Patil, “Design and Synthesis of Poly-L- Lysine-Functionalized Graphene Quantum Dots Sensor for Specific Detection of Cysteine and Homocysteine”, **Materials Chemistry and Physics**, (ISSN: 0254-0584) **Volume 276**, (**Impact Factor- 4.778, Year-2021**), 15 January 2022, 125383, DOI: <https://doi.org/10.1016/j.matchemphys.2021.125383>
 23. **Zamir G. Khan**, Minal Patil, Sopan N. Nangare, Ashwini G. Patil, Sai HS. Boddu, Rahul S. Tade, Pravin O. Patil, “Surface nanoarchitected metal-organic frameworks

- based sensor for reduced glutathione sensing: A review”, **Journal of nanostructure in chemistry, Springer, (ISSN: 2193-8865), pp 1-22, (Impact Factor- 8.000, Year 2021), 2 March 2022, DOI: <https://doi.org/10.1007/s40097-022-00480-7>**
24. Jidnyasa Pantwalawalkar, Sachin Chandankar, Rahul Tade, **Zamir Khan**, Matin Shaikh, Trupti Powar, Prashant Patil, Vrushabh Sugandhi, Sopan Nangare, “Graphene quantum dots based ultrasensitive probe for biosensing of prostate cancer biomarkers: Current updates and future challenges”, **Advances in Natural Sciences: Nanoscience and Nanotechnology**, Published 25 March 2022, © 2022 Vietnam Academy of Science & Technology, Volume 13, Number 1, DOI: <https://doi.org/10.1088/2043-6262/ac5e35>
25. Sopan N. Nangare, **Zamir G. Khan**, Ashwini G. Patil, Pravin O. Patil, “Design of monoelemental based two dimensional nanoarchitectures for therapeutic, chemical sensing and *in vitro* diagnosis applications: A case of borophene”, **Journal of Molecular Structure**, (ISSN: 0022-2860), Volume 1265, PP. 133387 (**Impact Factor- 3.841, Year 2021**) Available online 26 May 2022,. DOI: <https://doi.org/10.1016/j.molstruc.2022.133387>
26. Sopan Nangare, Sagar Patil, Sairendhri Patil, **Zamir Khan**, Ashwini Patil, Pravin Patil, “Design of graphene quantum dots decorated MnO₂ nanosheet based fluorescence turn “On-Off-On” nanoprobe for highly sensitive detection of lactoferrin”, **Short communication, Inorganic Chemistry Communications** 143 (2022) 109751, (ISSN: 1387-7003), (**Impact Factor- 3.428, Year 2021**), DOI: <https://doi.org/10.1016/j.inoche.2022.109751>
27. Fabrication of poly aspartic acid surface-modified highly fluorescent carbon quantum dot nanoprobe for sensing of reduced glutathione in real sample”, **Applied Nanoscience, (Impact Factor- 3.869 (2021))**.
28. **Zamir G. Khan**, Mahesh P More, Darshan D. Mahale, Bhushan K. Marathe, Sopan N. Nangare, Dilip A. Patil, Prashant B Patil, Preparation and characterization of curcumin loaded gelatin nanoparticle by two-step desolvation method, submitted to **International Journal of Pharmaceutical Sciences and Drug Research**.
29. Review on CoviShield and Covaxin Vaccine against Covid-19 by P B Patil to **Expert Review of Vaccines**

Books published

- A Practical **Book** of Instrumental Method of Analysis (for Bachelor of Pharmacy, Semester VII as per PCI Pattern) by **Mr. Zamir G Khan**, Mr. Prashant B. Patil, and Mr. M. S. Shaikh, Birla Publication Pvt. Ltd., 1/9185, Street, No-5, West Rohtas Nagar, Shahdara, Delhi- 110032, India. **ISBN: 938 426 689-2**.

- A Practical **Book** of Medicinal Chemistry- I (for Bachelor of Pharmacy, Semester IV as per PCI Pattern) by Dr. Dilip A. Patil, Dr. Ganesh B. Patil, and **Mr. Zamir G Khan**, Pritam Publications, **ISBN- 978-93-92159-15-2**.

Book chapters in Book

- Pravin O Patil, Mahesh P More, **Zamir G Khan**, Rahul S Tade, Prashant K Deshmukh, Ashwini G Patil, Sanjay B Bari, "Antibody-Mediated Diagnosis of Biomolecules." *Nanobiosensors for Biomolecular Targeting* (26 Oct 2018): PP.165-193. Publisher: **Elsevier**, ISBN: 978-0-12-813900-4.
<https://doi.org/10.1016/B978-0-12-813900-4.00007-5>
- Sopan Nangare, Prashant Patil, Ashwini Patil, Prashant Deshmukh, Trupti Powar, Jidnyasa Pantwalawalkar, **Zamir Khan**, Rahul Tade, Jayvadan K. Patel, Pravin Patil, "Pharmacokinetics of Drug-in-Polymer Matrix-Based Nanoparticulate Drug Delivery System", *Pharmacokinetics and Pharmacodynamics of Nanoparticulate Drug Delivery Systems*, **Springer, Cham.**, pp 159-186, 08 March 2022, Print ISBN: 978-3-030-83394-7, Online ISBN: 978-3-030-83395-4.
https://doi.org/10.1007/978-3-030-83395-4_9
- Mahesh P. More, Prashant K. Deshmukh, Pravin O. Patil, Sopan N. Nangare, Rahul S. Tade, Ashwini G. Patil, Abhijeet Pandey, Srinivas Mutalik, Prashant B. Patil, **Zamir G. Khan & Vivek B. Borse**, "**Passive and Active Targeting for Solid Tumors**", **Environmental Chemistry for a Sustainable World, vol 71. Springer, Cham.**, Published 15 November 2022, Online ISBN: 978-3-031-14848-4, Print ISBN: 978-3-031-14847-7.
https://doi.org/10.1007/978-3-031-14848-4_5
- Sopan Namdev Nangare, Pravin Onakr Patil, Rahul Shankar Tade, Ashwini Ghanashyam Patil, Prashant Krishnarao Deshmukh, Abhijeet Pandey, **Zamir Gaffar Khan**, Srinivas Mutalik, Namdeo Ramhari Jadhav, Jayvadan Kantilal Patel, Mahesh Prabhakar More & Sanjaykumar Baburao Bari, "**Polymeric Nanoplatfoms for the Targeted Treatment of Prostate Cancer**", **Environmental Chemistry for a Sustainable World**, vol 71. Springer, Cham., pp 427-471, Published 15 November 2022, Online ISBN: 978-3-031-14848-4, Print ISBN: 978-3-031-14847-7.
https://doi.org/10.1007/978-3-031-14848-4_16

- Rahul Shankar Tade, Pravin Onkar Patil, Sopan Namdev Nangare, Ashwini Ghanshyam Patil, Mahesh Prabhakar More, Prashant Krishnarao Deshmuk, **Zamir Gaffar Khan**, Abhieet Pandey, Sai Boddu, Dilip R. Patil, Srinivas Mutalik, Arun M. Patil, Sharad Wakode & Sanjaykumar Baburao Bari, “**Polymer-Based Nanoplatforams for Targeting Breast Cancer**”, **Environmental Chemistry for a Sustainable World**, vol 71. Springer, Cham., pp 373–400., Published 15 November 2022, Online ISBN: 978-3-031-14848-4, Print ISBN: 978-3-031-14847-7.

https://doi.org/10.1007/978-3-031-14848-4_14

- Contributed as Co-author to **Book Chapter** entitled “**Polymeric nanoparticle-based tumor-specific cargo delivery**”, Springer.
- Sopan N. Nangare, Jidnyasa R. Pantwalawalkar, Namdeo R. Jadhav, Petra O. Nnamani, Zamir G. Khan, Pravin O. Patil, Sanjaykumar B. Bari, Advanced hydrogel-based platform for ocular drug delivery,

Patent

PATENT PUBLISHED

Title: FLUORESCENT CARBON QUANTUM DOTS, METHOD OF PREPARATION AND USES THEREOF

Applicants: ZAMIR KHAN GAFFAR KHAN, PATIL PRAVIN ONKAR

Date: 22/01/2021

Application number: 202121003026

Publication date: 29/07/2022

Grant Received (Research)

- Received research grant for financial assistance for research project entitled “Fabrication of surface-functionalized carbon quantum dots for biothiol sensing” under VCRMS scheme from KBC NMU Jalgaon for total amount of 1,20,000/- (Rupees One lakh twenty thousand only). (Reference letter: KBCNMU/11A/VCRMS/Buget-2021-22/Sci.&Tech./137/2022, dated 14.05. 2022).

Grant Received (Seminar)

- Received 50,000/- INR from Maharashtra State Government: **Maharashtra State Commission for Women** to Organize **One Day National level workshop on**

Self-defence: A basic need for women of all ages held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 21st September 2018.

Organized Workshop as Coordinator (Student Development Officer- Term 5 Years)

1. **Rx Technical Poster Presentation Competition 2017** on “**World Pharmacist Day**”, held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 25th September 2017.
2. **One Day Personality Development Workshop** (for girls) under Yuvati Sabha sponsored by North Maharashtra University, Jalgaon, held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 05th October 2017.
3. **One week Self-defence Workshop** (for girls) under **Yuvati Sabha** sponsored by North Maharashtra University, Jalgaon, held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 29th January 2018 to 05th February 2018.
4. **Rx Technical Poster Presentation Competition 2018** on “**World Pharmacist Day**”, held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 25th September 2018.
5. **One Day National level workshop on Self-defence: A basic need for women of all ages** sponsored by Maharashtra State Government: **Maharashtra State Commission for Women** held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 21st September 2018.
6. **One Day Personality Development Workshop** (for girls) under **Yuvati Sabha** sponsored by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 12th October 2018.
7. **One week Self-defence Workshop (for girls)** under Yuvati Sabha sponsored by North Maharashtra University, Jalgaon, held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 01st February 2019 to 08th February 2019.
8. **Rx Technical Poster Presentation Competition 2019** on “**World Pharmacist Day**”, held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 25th September 2019.
9. **One Day Personality Development Workshop** (for girls) under **Yuvati Sabha** sponsored by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 03rd October 2019.
10. **One-week Self-defence Workshop (for girls)** under Yuvati Sabha sponsored by Kavayitri Bahinabai Chaudhari, North Maharashtra University, Jalgaon, held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 24th February 2020 to 02nd March 2020.
11. **One-week Self-defence Workshop (for girls)** under Yuvati Sabha sponsored by Kavayitri Bahinabai Chaudhari, North Maharashtra University, Jalgaon, held at H.

R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 24 January 2022 to 31 January 2022.

12. **One Day Personality Development Workshop** (for girls) under **Yuvati Sabha** sponsored by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 01 February 2022.

Grant Received (Seminar)

- Received 50,000/- INR from Maharashtra State Government: **Maharashtra State Commission for Women** to Organize **One Day National level workshop on Self-defence: A basic need for women of all ages** held at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur (Dhule), on 21st September 2018.

Talk delivered (Guest Lecture)

- Delivered talk as a **Guest lecture on the topic "Stereochemistry"** at Gangamai College of Pharmacy, Nagaon, Dhule on 20th February 2017.
- Delivered talk as a **Guest lecture on the topic "GPAT Preparation and Career Guidance"** at Ali-Allana College of Pharmacy, Akkalkuwa, Dist. Nandurbar on 10th November 2019.
- Delivered online talk as a **Guest lecture on the topic "Carbonyl compounds"**, at Dr. Rajendra Gode College of Pharmacy, Malkapur, Dist: Buldana, on 22nd July 2021.
- Delivered online talk as a **Guest lecture on the topic "Guidance for GPAT 2022"**, at Satara College of Pharmacy, Satara, on 29 January 2022.

Evaluator (Judge)

- Actively participated as an Evaluator for **Science Exhibition Competition 2017**, organized by **R. C. Patel Jr. College of Science Ganesh Colony Shirpur**, on 24th January 2017.

Guided Minor Projects

1. Pharmaceutical Analytical Techniques.
2. Surveillance of antimicrobial Drug resistance in disease-specific programs.
3. Solubility enhancement: A need for poorly water-soluble drugs.
4. Modification of gums- a review.
5. The most common diseases causing death worldwide.

6. Different Systems of Medicine used for treatment of skin diseases.
7. Diabetes Mellitus: Effective treatment and management.
8. Leprosy: a new look at an old disease: A Review.
9. Synthesis of Graphene Quantum Dots from Egg-shell.
10. Preparation and characterization of curcumin-loaded Gelatin nanoparticles by two-step desolvation method.
11. Applications of nanomaterials in biosensing
12. Gene delivery system: A challenge to conventional medicine

Professional body Membership

1. **Life member for the Association of Pharmaceutical Teachers of India (APTI) having Unique Membership Id is MA/LM-2236.**
2. **Life Member SPER/LM/MH/086, Maharashtra State, Society Of Pharmaceutical Education And Research (SPER).**
3. **By Approval Of Central Executive Council (CEC) Has Elected As Joint Secretary, Maharashtra State, Society Of Pharmaceutical Education And Research (SPER), of The Society For Cultivation And Promotion Of The Study And Practice Of Pharmaceutical Sciences Education And Research from 05th October 2015.**

Student Development Officer

1. Served for **KBC North Maharashtra University post as Student Development Officer** for the period of 2017-18, 2018-19 and 2019-20, Reference Sanctioned letter- (उमवि/14/विवि-47/197/2017).
2. Served for **KBC North Maharashtra University post as Student Development Officer** for the period of one the year 2020-21.
3. Served **KBC North Maharashtra University post as Student Development Officer** for the period of one the year 2021-22.

Community and Social Work

I have donated Blood during Several Blood donation camps during 2012-2016.

Personal Profile

- **Name:** Zamir Khan Gaffar Khan
- **Permanent Address:**
C. S. No. 20/1-A, Plot No. 08, Ganesh Colony,
Shirpur 425 405, District Dhule

- Maharashtra, India
Date of Birth: 27th December 1990
- **Languages are known:** English, Hindi & Marathi

Declaration

I hereby declare that the information furnished above is true to best of my knowledge.

Date: 7 December 2022

faithfully yours

Place: Shirpur

Zamir G. Khan

Overview

● Research papers published-International (Elsevier/Springer)	9
● Review papers published-International (Elsevier/ Springer)	9
● Research papers published-National	7
● Review papers published-National	1
● Patent published (Indian Patent)	1
● Book chapters published (Elsevier/Springer)	5
● Book published (Birla publications)	1
● Cumulative Impact factor (as per JCR)	49.224
● Citations (Google scholar)	215
● h-index (Google scholar)	5
● i 10-index (Google scholar)	4
● Conferences/workshops attended/participated	48
● Conference/personality development program organized	10
● Papers presented at Uni/State/National/International level	8