

DR. ANURAG KHATKAR

Assistant Professor
 Department of Pharmaceutical Sciences,
 M.D.University, Rohtak.
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**1. Educational Qualifications:**

Degree/Specialization	Year of Passing	University/Institute
UG (B.Pharmacy)	2005	M.D.University, Rohtak
PG (M.Pharmacy)	2007	UPTU, Lucknow
CCIPR	2009	WIPO, Geneva.
Ph.D	2013	M.D.University, Rohtak

2. Experience : 06 Years

Designation	Institution Served	Duration	
		From	To
Assistant Professor	R.K.S.D. College of Pharmacy, Kaithal, Haryana.	2007	2010
Assistant Professor	Department of Pharmaceutical Sciences, M.D.University, Rohtak	2010	Till Date

3. Research Advisory:

No. of Students Supervised	Ph.D.	PG
	06 Pursuing	08

List of Publications

- ❖ **Anurag Khatkar**, U.K.Singh, S.K.Dewan, Jagbir Gadoria, Sarita Khatkar, "Microwave Assisted synthesis and biological evaluation of some 2, 5-disubstituted 1, 3, 4-oxadiazoles and their antimicrobial activities". **Oriental Journal of Chemistry**.Vol.23 (2), 2007, 623-28. (**H. Index 5**)
- ❖ **Anurag Khatkar**, Jagbir Singh, Sarita Khatkar, Rekha Rao, "A simple and efficient one step synthesis of 1, 3, 4-oxadiazoles utilizing polymer-supported reagents and microwave heating". **Material Science Research India**. Vol.5 (1), 2008, 207-08.
- ❖ Jagbir Singh, S.K.Singh, Kuldeep Singh, **Anurag Khatkar**, Gautam Singh, "Synthesis and anti-convulsant study of Benzylidene Rhodanine Derivatives". **Oriental Journal of Chemistry**. Vol.24 (2), 2008, 713-716. (**H. Index 5**)
- ❖ Jagbir Singh, **Anurag Khatkar**, Sarita Khatkar, Rekha Rao, Kuldeep Singh, "2-((4-oxo-2-thiazolidin-5-ylidene) methyl) phenoxy) acetamides as anticonvulsant agents". **Oriental Journal of Chemistry**. Vol.24 (2), 2008, 673-676. (**H. Index 5**)
- ❖ **Anurag Khatkar**, Neha Garg, "Determination of water quality of different areas of Kaithal, Haryana". **Current World Environment**. Vol.3 (1), 2008, 123-126.

- ❖ Rekha Rao, Ashok Kumar, **Anurag Khatkar**, “Drug development management in Pharmaceutical systems-a review”. **Journal of Management Practices**. Vol.2 (1), 2008, 67-73.
- ❖ S.C. Arora, P.K. Sharma, Raghuv eer Irchhaiya, **Anurag Khatkar**, Neeraj Singh, Jagbir Gagoria ,“ Urea Based Inclusion Compounds of Azithromycin Dihydrate for the Improvement of Pharmaceutical Characteristics”. **International Journal of Pharma Recent Research**. 2009, 1(1), 41-48.
- ❖ S.C. Arora, P.K. Sharma, Raghuv eer Irchhaiya, **Anurag Khatkar**, Neeraj Singh, Jagbir Gagoria ,“Urea Based Inclusion Compounds of Cefpodoxime Proxetil for the Improvement of Pharmaceutical Characteristics”. **International Journal of Current Pharmaceutical Research**. Vol 2, Issue 2, 2010, 28-31. **ICV 4.70**
- ❖ S.C. Arora, P.K. Sharma, Raghuv eer Irchhaiya, **Anurag Khatkar**, Neeraj Singh, Jagbir Gagoria ,“ Development, Characterization and Solubility Study of Solid Dispersion of Cefpodoxime Proxetil by Solvent Evaporation Method”. **International Journal of ChemTech Research**. Vol. 2, Issue 2, 2010, 1156-1162.
- ❖ Jagbir Gagoria, “**Development**, Characterization and Solubility Study Of Solid Dispersions Of Azithromycin Dihydrate by Solvent Evaporation Method”. **Journal of Advanced Pharmaceutical Technology and Research**. Vol. 1 (2), 2010, 221-28.
- ❖ S.C. Arora, P.K. Sharma, Raghuv eer Irchhaiya, **Anurag Khatkar**, Neeraj Singh, Jagbir Gagoria ,“ Urea Based Inclusion Compounds Of Cefixime Trihydrate For The Improvement Of Pharmaceutical Characteristics”. **Int.J.Drug Dev. & Res.**, April-June 2010, 2(2):404-411. **Impact Factor: 0.18**
- ❖ S.C. Arora, P.K. Sharma, Raghuv eer Irchhaiya, **Anurag Khatkar**, Neeraj Singh, Jagbir Gagoria ,“ Development, Characterization And Solubility Study Of Solid Dispersion Of Cefixime Trihydrate By Solvent Evaporation Method”. **Int. J.Drug Dev. & Res.**, April-June 2010, 2(2):424-430. **Impact Factor: 0.18**
- ❖ S.C. Arora, P.K. Sharma, Raghuv eer Irchhaiya, **Anurag Khatkar**, Neeraj Singh, Jagbir Gagoria ,“ Development, Characterization And Solubility Study of Solid Dispersion of Cefuroxime Axetil By Solvent Evaporation Method”. **J. Adv. Pharm. Tech. Res**. Vol. 1(3): 326-329.
- ❖ S.C. Arora, P.K. Sharma, Raghuv eer Irchhaiya, **Anurag Khatkar**, Neeraj Singh, Jagbir Gagoria ,“ Urea Based Inclusion Compounds of Cefuroxime Axetil for the Improvement of Pharmaceutical Characteristics”. **International Journal of Pharma Recent Research**. 2010, 2(2), 40-46.
- ❖ S.Khatkar, S.Sardana, S.Aggarawal, **A.Khatkar**, “Hepatoprotective effect of the root and stem bark of Azadirachta indica A. Juss. against Paracetamol induced liver damage in rats”. **International Journal of Pharma Recent Research**. 2010, 2(2), 61-64.
- ❖ Sumit Sigroha, Balasubramanian Narasimhan, Pradeep Kumar, **Anurag Khatkar**, Kalavathy Ramasamy, Vasudevan Mani, Rakesh Kumar Mishra, Abu Bakar Abdul Majeed. Design, synthesis, antimicrobial, anticancer evaluation, and QSAR studies of 4-(substituted benzylidene-amino)-1,5-dimethyl-2-phenyl-1,2-dihydropyrazol-3-ones. **Medicinal Chemistry Research**. 2011, 21, 3863-3875. **Impact Factor 1.612**

- ❖ **Anurag Khatkar**, Arun Nanda, Balasubramanian Narasimhan. Evaluation of preservative effectiveness of *p*-coumaric acid derivatives in aluminium hydroxide gel-USP. **Chronicles of Young Scientists**. 2013, 4(2), 144-147.
- ❖ **Anurag Khatkar**, Arun Nanda, Balasubramanian Narasimhan. Evaluation of preservative effectiveness of ferulic acid derivatives in aluminium hydroxide gel- USP. **International Journal of Pharmaceutical Sciences and Research**. 2013, 4(7), 1000-1004. (ICV- 5.07)
- ❖ **Anurag Khatkar**, Arun Nanda, Balasubramanian Narasimhan. Evaluation of preservative effectiveness of gallic acid derivatives in aluminium hydroxide gel-USP. **Chronicles of Young Scientists**. 2013, 4(2), 148-152.
- ❖ **Anurag Khatkar**, Arun Nanda, Pardeep Kumar, Balasubramanian Narasimhan. Synthesis and antimicrobial evaluation of ferulic acid derivatives. **Research on Chemical Intermediates**. 2013. DOI 10.1007/s11164-013-1192-2. **Impact Factor 0.880**.
- ❖ **Anurag Khatkar**, Arun Nanda, Pardeep Kumar, Balasubramanian Narasimhan. Synthesis, antimicrobial evaluation and QSAR studies of gallic acid derivatives. **Arabian Journal of Chemistry (doi.org/10.1016/j.arabjc.2013.11.)**. **Impact Factor 2.66**
- ❖ **Anurag Khatkar**, Arun Nanda, Pardeep Kumar, Balasubramanian Narasimhan. Synthesis, antimicrobial evaluation and QSAR studies of *p*- coumaric acid derivatives. **Arabian Journal of Chemistry (014doi.org/10.1016/j.arabjc.2014.05.018)**. **Impact Factor 2.66**
- ❖ **Anurag Khatkar**, Arun Nanda, Balasubramanian Narasimhan. Stability studies of the selected derivatives of ferulic acid, gallic acid and *p*- coumaric acid as per the ICH guidelines. **HYGEIA: Journal of Drugs and Research, 2013; Vol. 5(2): 34-42**.
- ❖ Ritu Kataria, **Anurag Khatkar** and Jagbir Gagoria. Pharmacogenetics: Genetically Determined Variations in Drug Response. **International Journal of Pharmaceutical, Chemical and Biological Sciences**. 2013, 3(2), 288-293.
- ❖ Parina Gill, Vivek Gill, Nisha, **Anurag Khatkar**, Yash Paul Singla. Effect of different superdisintegrants on formulation, development of fast dissolving tablets of gliclazide. **Int.J.Inv.Pharm.Sci.,1(4) 2013;340-350**.
- ❖ Amit Lather, Seema Goirala, Sarita Khatkar, **Anurag Khatkar**, Neelam Redhu, Neelam Malik. Plant Neurotoxicity- An Overview. **International Journal of Pharmaceutical and Research Sciences**. Vol. 2(8). 2013: 947-962.
- ❖ Neelam Malik, Priyanka Dhiman, **Anurag Khatkar**, Neelam Redhu, D.P.Singh. Pyrazole derivatives: a worthy insight into potent biologicalactivities: A Review. **International Journal of Pharmaceutical Research and Bioscience**. Vol. 2(4); 2013: 415-427.
- ❖ Jyoti, Neelam Malik, Priyanka Dhiman, **Anurag Khatkar**, Neelam Redhu. Pleiotropic Effects of Statins - An Overview. **International Journal of Pharmaceutical and Research Sciences**. Vol. 2(8). 2013: 925-936.

- ❖ Usha Yadav, Priyanka Dhiman, Neelam Malik, **Anurag Khatkar**, Neelam Redhu, D.P. Singh. Genotoxic impurities - an overview. *Journal of Biomedical and Pharmaceutical Research* 2 (5) 2013, 39-47.
- ❖ Neelam Malik, Priyanka Dhiman, Prabhakar K.Verma, **Anurag Khatkar**. Design, synthesis and biological evaluation of thiourea and guanidine based derivatives of pyrimidine-6-carboxylate. *Research on Chemical Intermediate* (DOI 10.1007/s11164-014-1871-7) Impact Factor: 1.56
- ❖ Priyanka Dhiman, Neelam Malik, Prabhakar K.Verma, **Anurag Khatkar**. Synthesis and biological evaluation of thiazolo and imidazo N- (4nitrophenyl)-7-methyl-5-aryl-pyrimidine-6 carboxamide derivatives. *Research on Chemical Intermediate*. (DOI 10.1007/s11164-015-1922-8). Impact Factor: 1.56
- ❖ Deepak Kaushik, Vineet Mittal, Manjeet Duggal, **Anurag Khatkar**. Environmental risk assesment of pharmaceuticals: Global regulatory perspectives. *World Journal of Pharmaceutical Research*. 01/2015; 04(02):1711-1721. Impact Factor: 5.05
- ❖ Neeraj Chouhan, Vineet Mittal, Deepak Kaushik, **Anurag Khatkar**, Mitali Raina. Self emulsifying drug delivery system (SEDDS) for phytoconstituents: a review. *Current Drug Delivery*. 2014. Impact Factor. 2.248
- ❖ Deepak Kaushik, Shivaji Rai, Harish Dureja, Vineet Mittal and **Anurag Khatkar**. Regulatory perspectives on medical device approval in global jurisdictions. *Journal of Generic Medicines*. DOI: 10.1177/1741134314553137.
- ❖ Jagbir Gadoria, Prabhakar Kumar Verma, **Anurag Khatkar**. Anticonvulsant and Neurological Profile of Benzothiazoles: A Mini-Review. *Central Nervous System Agents in Medicinal Chemistry* 01/2015.

Books/ Books Chapter

- ❖ **Khatkar A**, Nanda A, Narasimhan B. Preservatives- associated problems and possible alternatives, in: Tiwari, S.K., Singh, B. (Eds.), *Current Trends in Biotechnology*. Lambert Academic Publisher; Germany, 2012. pp. 100-20.
- ❖ **Anurag Khatkar**, Sarita Khatkar. *Preservatives in Pharmaceutical Products. Pharmaceutical Microbiology: A Textbook*, Narosa Publications. 2012.
- ❖ Pooja Punia. **Anurag Khatkar**. Pradeep Kumar. Balasubramanian Narasimhan. An overview of biological activities of antipyrine derivatives, In: Narasimhan B. (Eds.) *Biological Profiles of 5/6 Membered Heterocycles in the New Millenium*. Lambert Academic Publisher; Germany, 2013. pp. 129-156.
- ❖ **Anurag Khatkar**, Neelam Malik, Sarita Khatkar. Oxadiazole- Apromising moiety for medicinal chemistry research. Lambert Academic Publisher; Germany, 2013.
- ❖ **Anurag Khatkar**, Priyanka Dhiman, Sarita Khatkar. Pyrimidines- a moiety with diverse biological profile. Lambert Academic Publisher; Germany, 2013.
- ❖ **Anurag Khatkar**, Mukesh Kumar. Triazole- an attention causing moiety for medicinal chemists. Lambert Academic Publisher; Germany, 2014.

Extension Lecturers

- ❖ Delivered a lecture on topic, “Preservatives- Associated Problems and Alternative Solutions” in CME programme organized by Haryana State Pharmacy Council.
- ❖ Delivered a lecture on Mass Spectrometry at RKSD College of Pharmacy, Kaithal, Haryana.
- ❖ Delivered an invited lecture in National Seminar on “Pesticides & its Impact on Human Health”. at Innovative College of Pharmacy, Greater Noida (27/03/2015)

Presentations/ Participation in Seminars / Conferences / Workshops

- ❖ **Anurag Khatkar**, Sarita Khatkar, Rekha Rao, Jagbir Singh, “Microwave Synthesis – An Innovative Green Chemistry Approach”.(RTPER 012) in IPGA National seminar on Recent Trends in Pharmaceutical education and Research.29-30th September, 2007 at RITS, Sirsa .
- ❖ Jagbir Jangra, **Anurag Khatkar**, Sarita Khatkar,Vipin Kumar, “merging Trends of Nutraceuticals in Osteoarthritis” in IPGA National seminar on Recent Trends in Pharmaceutical education and Research.29-30th September, 2007 at RITS, Sirsa .
- ❖ Attended two days **Workshop on Green Chemistry in NIPER, Mohali** sponsored by Department of Science and Technology, Ministry of Sciences and Technology, New Delhi. 3rd and 4th Sept., 2007.
- ❖ Jagbir Gadoria, **Anurag Khatkar**, Sarita, Rekha Rao, “Synthesis and Anticonvulsant Study of novel (Z)-5-Benzylidene-2-thioxothiazolidine-4-ones”. (JCDV 212) in APTI National Seminar on Emerging Trends in Drug Discovery and Formulation Development at JCDV, Sirsa (2009).
- ❖ Attended **workshop on “Applications of Analytical Techniques for the Characterization of Biomolecules”** held at University of Lucknow, Lucknow by Indian Society of Analytical Scientists on Aug 2-3, 2008.
- ❖ Participated in National Conference on “**Environmental Degradation-Challenges and Remedies**” held at Dept. of Applied Science & Humanities; M.M. University, Mullana (2008).
- ❖ **Anurag Khatkar**, Neeraj Singh, Jagbir Singh, Sarita Khatkar and Rekha Rao, “Microwave assisted synthesis of some 2, 5,-disubstituted 1, 3, 4-oxadiazoles vs. conventional heating studies” in International Conference on Innovative Technologies. June 18-19th 2009 at PDMCE organized by IEEE-IMS/EBMS (Delhi).
- ❖ Neeraj Singh, **Anurag Khatkar**, Jagbir Gadoria, Mithesh Yadav and Manjeet Kumar,” Development and Characterization of Chitosan microwave spheres containing Acetazolamide” in International Conference on Innovative Technologies. June 18-19th 2009 at PDMCE organized by IEEE-IMS/EBMS (Delhi).
- ❖ Participated in seminar on “Role of Clinical Research Associate in India”, held at RPIIT, Karnal. (2009).

- ❖ Sarita Khatkar, S. Agrawal, S. Sardana, **Anurag Khatkar**, “Traditional Vs Recent techniques of extraction for root and stem bark of Azadirachta Indica” in 14th National Convention of Society of Society of Pharmacognosy at Hindu College, Sonipat (2010).
- ❖ Pooja Punia, Amit Lather, **Anurag Khatkar**, Vinit Mittal, Sarita Khatkar. Teratogenicity causing plants- an overview. National Seminar on Recent Trends in Herbal Drug Research. 2011 at M.M.U. Mullana, Ambala.
- ❖ Deepak Kalra, Akash Kalra, Eshant Duggal, **Anurag Khatkar**. Nano medicine: diagnosis, therapy and follow up of cardiovascular diseases. International Journal of Natural Product Science 2012; Spl Issue 1: 89.
- ❖ Attended one day national seminar on “molecular techniques – The face of modern sciences” organized by Deptt. of biochemistry on 24 Oct. 2011.
- ❖ Attended one day international India-Japan Seminar on “Nano-materials for diagnostics and therapeutics” organized by Deptt. of biochemistry on 30 Oct. 2010.
- ❖ Poster presentation at national seminar on “Recent Trends in Herbal Drug Research” On topic of plant neurotoxicity held at M.M. University, Mullana on 20-21 Oct. 2011.
- ❖ Participated in NAAC Sponsored One Day State Level Sensitizing Workshop on “Process of Accreditation” organized by Internal Quality Assurance Cell, BPSMV, Khanpur Kalan, held on 18 Nov. 2011.
- ❖ Participated in the symposium on “Use of modern technology to reduce animal experimentation” organized jointly by PETA and AIIMS, New Delhi on 19 Jan. 2012.
- ❖ Participated as a delegate in 3rd conference on laboratory and analytical technologies held at Pragati Maidan, New Delhi on 8-9 Dec. 2011.
- ❖ Participated in the National Seminar on Convergence of Biotechnology and Engineering for Industry (CBEI-2014), November, 26-2014.
- ❖ Participated in one day workshop on Publication Rules by Elsevier at M.D.University on February, 25th.
- ❖ Participated in National seminar on Therapeutic Potential of Natural Products at Genetics Department, M.D.University, Rohtak on 19th March, 2015.
- ❖ Participated in National seminar on Molecular Modelling and Drug Design at Department of BioInformatics, M.D.University, Rohtak on 20-21st March, 2015.

Workshop/ seminars/ Youth festival organizing committee

- ❖ Contributed as member of organizing committee in 31th Inter-zonal Youth Fest Event from 15-17 Nov. 2011.
- ❖ Contributed as member of organizing committee in Youth Fest Event from 15-30 Oct. 2012.
- ❖ Contributed as member of organizing committee in two days workshop on “Personality development, communication skills and resume writing” held on 22-23 March, 2013 at Deptt. of Pharma. Sciences M.D. University, Rohtak.

- ❖ Contributed as member of organizing committee in DSW sponsored one day workshop on “Instrumental Methods in Pharmaceutical Research” held on 28 Nov. 2013 at Deptt. of Pharma. Sciences M.D. University, Rohtak.
- ❖ Contributed as member of organizing committee in Inter-zonal Techno-Management Fest Event held on 29th March 2012.
- ❖ Contributed as member of organizing committee in “Science-Conclave 2011” during 2-3 Dec. 2011.
- ❖ Contributed as member of organizing committee in 31th Inter-zonal Youth Fest Event from 8-10 Nov. 2013.
- ❖ Contributed as University Ambassador in Marathon organized by IIM, Rohtak on 19th Feb. 2012.
- ❖ Successfully organized Annual Pharmacy Week in 2010, 2011, 2012 and 2013.
- ❖ Contributed as member of organizing committee in Falgun Festival at M.D.University in February, 2014.

Co-curricular activities

- ❖ Attended Youth Leadership Training Camp organized by DSW, MDU at Goa from 01 Feb, 2003 to 08, Feb 2003.
- ❖ Blood donation at Kapisthal Blood Bank, Kaithal on 4th Dec.2007.
- ❖ Blood donation at a camp organized by Haryana Red Cross Society on 16 Sept. 2001.
- ❖ Blood donation at a camp organized by Department of Pharmaceutical Sciences along with HSBTC 21st Nov. 2011.
- ❖ Won third prize in annual sports meet at University Campus School on 25 Nov. 1994.
- ❖ Appreciation certificate for contribution for blood donation camp on 25 Nov. 2011 by Indian Red Cross Society.
- ❖ Certificate of merit in 27th All India Schools General Knowledge Competition on 30th Sept. 1996 organized by ICIA-FIOCES-UNESCO.
- ❖ Participated in Marathon organized by IIM, Rohtak on 19th Feb. 2012.

Refresher/ Orientation programme

- ❖ Participated in Four Weeks Orientation programme from 6th June 2011 to 4th July 2011 Organized by UGC-ASC, BPSMV, Khanpur Kalan (Sonapat).
- ❖ Participated in 1st Refresher Course in Pharmaceutical Sciences from 17th May 2012 to 7th June 2012. Organized by UGC-ASC, BPSMV, Khanpur Kalan (Sonapat).

Memberships

- ❖ Life member of Indian Society of Analytical Scientists (ISAS)
- ❖ Haryana State Pharmacy Council

Funded Projects:

- ❖ DST-SERB sponsored major research project on currency paper notes under Fast Track Young Scientist Scheme worth INR 23.69 Lakhs.

Academic Contributions:

- ❖ Member of Editorial Board, International Journal of Pharmaceutical Sciences and Research, associated with Embase (Elsevier, U.S.A).
- ❖ Member of Editorial Board, International Journal of Pharmacognosy.
- ❖ Member of Reviewers Board, Journal of Advanced Pharmaceutical Technology and Research (Pubmed, U.S.A).
- ❖ Member of Reviewers Board, American Journal of Phytomedicine and Clinical Therapeutics.
- ❖ Member of Reviewers Board, Medicinal Chemistry Research, (Springer, U.S.A).