

Summary

Prof. (Dr.) Kuldeep Singh

Professor,

DOJ- 10/10/2007

M.Pharm, Ph.D (Pharmaceutical Chemistry), IPR, GATE-2006

Faculty of Pharmacy, Integral University,

Lucknow



Summary

- ✓ Current status- Working as Professor and Discipline Head.
- ✓ Total teaching and research experience- 17 years.
- ✓ Sanctioned Project – 02 (01 project from UPCST and another one is seed money project from Integral University)
- ✓ Presently working as, PCI Inspector in the PCI, New Delhi. Program Coordinator of B.Pharm, Placement coordinator, flying squad team & member of board of studies, Criteria 4 member (central) for NAAC accreditation & Working as a NIRF Coordinator.
- ✓ Total no. of Published paper & accepted - 77 (01 paper got Dr P D Sethi memorial annual National Awards 2018)
- ✓ Total no. of conference/seminar/workshop/Symposium attended- 30
- ✓ Total no. of Orientation Programme (30days) and Refresher course (21 days) attended: 02
- ✓ Total no. of faculty development programme / Webinar and short-term course attended- 19
- ✓ Total no. of M. Pharm Students guided- 15
- ✓ Total no. of Ph.D Students guiding- 06
- ✓ Total no. of students Ph.D awarded : 05
- ✓ Total no. of article in magazine- 03
- ✓ Worked in the various core-committee as a member (CBCS, Sports, Placement cell, Chairman DQAC, Alumni cell)
- ✓ Patent published and granted – 08
- ✓ Worked as an external / Internal Examiner in the various reputed University/Institute.
- ✓ Working as an editorial member in various reputed journals.
- ✓ Organized world AIDS day as a core committee member in the collaboration of UPSACS Lucknow on 1st December 2017.
- ✓ Extra qualification- GATE-2006, CCC (Certificate course on computer concept), A distance learning course on IPR (Intellectual Property Rights) through WIPO Geneva.

- ✓ Worked as a Convener in the blood donation camp on 8th April 2017.
- ✓ Book published/book chapter- 07
- ✓ Worked as a convener & core committee member in the antibiotic awareness week 2019 to 2021.
- ✓ Project evaluator in the UPCST Lucknow
- ✓ Core Committee member of World Pharmacists Day

Research interest

Synthesis of heterocyclic nucleus derivatives like coumarin, chroman, piperazine etc. docking study, and their biological and Pharmacological activities.

Dr.Kuldeep Singh

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✓ PERSONAL INFORMATION

- ❖ Father name- Shri Ram Singh
- ❖ Mother name- Smt. Kamlesh
- ❖ Nationality- Indian
- ❖ Marital Status- Married
- ❖ Date of birth- 01 Jun 1979

Professional bodies:

- ✓ U.P Pharmacy Council Registration No. **37273**
- ✓ Life membership of APTI (Association of Pharmaceutical Teachers) (**UP/LM-617**)
- ✓ Life time membership of ERDA (Education research and development association).
Membership ID: **ERDA/INDLM/655/1023.**

✓ PROFESSIONAL EXPERIENCE

Organization Served	Designation	Period		Experience
		From	To	
Faculty of Pharmacy, Integral University, Lucknow	Lecturer (Pharm-Chemistry)	10 th October 2007	30 June 2009	17 years

Faculty of Pharmacy, Integral University, Lucknow	Asstt. Prof.	1 July 2009	12/12/2016	
Faculty of Pharmacy, Integral University, Lucknow	Associate Professor	13/12/2016	31/10/2022	
Faculty of Pharmacy, Integral University, Lucknow	Professor	01/11/2022	Till date	

✓ EDUCATIONAL QUALIFICATION

Particulars	College	University/Board	Year of passing
Ph.D (Pharm-Chemistry)	Faculty of Pharmacy	Integral University Lucknow	2015
M.Pharm. (Pharm-Chemistry)	B.U Jhansi (U.P.)	Bundelkhand University Jhansi	2007
B.Pharm.	N.N.M C.O.P.GONDA U.P.	U.P technical University Lucknow	2005
10+2	K.I.C ALIPUR KHERI, MZN	U.P. Board	1997
10th	J.I.C BABRI, MZN	U.P. Board	1995

✓ M.PHARM PROJECT TOPIC

“Synthesis and Antimicrobial Activity of Benzimidazole Derivatives”

✓ Ph.D TOPIC

“Synthesis and Biological Screening of Piperazine Derivatives”

✓ OTHER QUALIFICATION

GATE (Graduate aptitude test in Pharmacy)-2006

BOOK PUBLISHED: 1. A book published entitled “Piperazine: a biologically active scaffold. ISBN (978-613-9-94586-3) by LAP LAMBERT Academic Publishing. SIA OmniScriptum Publishing Brivibas gatve 197, LV-1039, Riga Latvia, European Union

2. A book published entitled “A swift retort of pharmaceutical organic chemistry” ISBN (97881-951568-6-3) First edition by Info capsule LLP, Publishing and designing Lucknow, Year 2022.

3. A book published entitled “A essential of pharmaceutical inorganic chemistry practical” ISBN (97881-951568-4-9) First edition by Info capsule LLP, Publishing and designing Lucknow Year 2022.

4. A book published “Practical aspects of Instrumental method of analysis”

Research Project Granted:

1. A UPCST project has been granted on 31 august 2022 on the topic title “Design synthesis and biological evaluation of Novel benzopyran derivatives as anti-tubercular agents.
Amount Sanctioned: 1044000 (Ten lacs forty-four thousand), **Project reference:** CST/D-1164
2. A seed money project granted on 15 march 2022 on the topic title “Design synthesis and biological evaluation of Novel benzopyran-2-one analogues as anti-tubercular agents.”
Amount sanctioned: 200000 (02 Lacs). **Project reference:** IUL/IIRC/SMP/2022/007

CHAPTER PUBLISHED:

1. **Dr. Kuldeep Singh**, Sompraksh Kushwaha, Pragati Shakya, Chapter published in the book title Covid 19: A drill down analysis on the topic Economic and social impact of covid-19. ISBN NUMBER 978-81-946370-2-8, Page Number 191-195. Volume 1 2020.
2. **Dr. Kuldeep Singh, Sompraksh Kushwaha**, Syed Misbahul Hasan Chapter published in the book title Covid 19: A drill down analysis on the topic Diabetes: a possible outcome in patients recovering from covid-19 ISBN NUMBER 978-81-946370-2-8, Page Number 48-54. Volume 1 2020.
3. Nitin Pandey, **Kuldeep Singh**, book title Contemporary Approaches to Mitigating Antibacterial Drug Resistance, chapter published on the topic Targeted Drug Delivery to Combat Antibacterial Drug Resistance. Page no. 251-267. ISBN13: 9798369315408, DOI: 10.4018/979-8-3693-1540-8.ch010.
4. Mo Shahanawaz, **Kuldeep Singh**, book title Contemporary Approaches to Mitigating Antibacterial Drug Resistance, chapter published on the topic Outer Membrane Permeability Enhancer. Page no. 148-170. ISBN13: 9798369315408. DOI: 10.4018/979-8-3693-1540-8.ch006.

TRAINING:

- ❖ Completed a 15 days training on analytical division in Indian Pharmacopoeia Commission Ghaziabad from 13 Jun 2017 to 27 Jun 2017.
- ✓ **ACTIVE PARTICIPATION IN WORKSHOP/CONFERENCE/SEMINAR/SYMPOSIUM**
 - ❖ Participation in 58th Indian Pharmaceutical congress in **2006**.
 - ❖ Attended the ‘1st **CDRI-NIPER (RBL) symposium on “Medicinal Chemistry and Pharmaceutical Sciences”** Central drug research Institute, Lucknow on **24-25 March, 2009**.

- ❖ Attended the 46th silver jubilee conference on the topic '*Pharmacist in Health Care*' in the scientific convention center medical college, sponsored by IHPA Lucknow on **24-25th October 2009**.
- ❖ Attended a two days Scientific and technical workshop on "*Animal Experimentation*" held at Hygia Institute of Pharmaceutical Education and Research on **9-10th April 2013**.
- ❖ Participated 1st national level workshop on "*Computer Added Drug Designing*" (1st-NW-CADD-2013) held at Department of Bioengineering Integral University in collaboration with department of life sciences EGICORE Lucknow on **9th-10th November 2013**.
- ❖ Attended national seminar on "**Recent Trends in Drug Development**" held at Amity University Lucknow campus on **9th January 2014**.
- ❖ Participated 1st national level workshop on "*Intellectual Property System: India today and tomorrow*" organized by IPR management cell, CCG&D Integral University Lucknow in collaboration with Intellectual property owners New Delhi on **10th January 2014**.
- ❖ Attended national seminar on '*Targeting of Bioactive for Therapeutic Benefits*' held at Adina Institute of Pharmaceutical Sciences Sagar (m.p) on **9th March 2014**.
- ❖ Attended a two days Scientific and technical workshop on "*Alternative to Animal Experimentation in Pharmacy Education*" held at Hygia Institute of pharmaceutical education and research Lucknow on **5-6 April 2014**.
- ❖ Attended seminar on "*Role of Pharmacist in Health Care System*" on the occasion of World Pharmacist Day held at Faculty of pharmacy Integral University on **25th Sep 2014**.
- ❖ Attended national seminar on "*Recent Advances in Medicinal Chemistry*" sponsored by UGC on **7-9th November 2014** organized by Department of Chemistry, Christian Post-Graduate College, Lucknow.
- ❖ Attended national seminar on "*Career Frontiers & Emerging Trends in Pharmaceutical Industry & Research*" held at IPSR Lucknow on **15th March 2015**.
- ❖ Attended national Symposium on "*Interfacing Chemical Biology and Drug Design*" held at Amity University Lucknow campus on **24 and 25th February 2015**.
- ❖ Attended seminar on "*Pharmacist: Your Partner in Health*" during Pharmacist Day organized by faculty of Pharmacy Integral University Lucknow on **30 September 2015**.
- ❖ Attended a India Pharmacist Adhiveshan on "*Empower Pharmacist for Patient Safety*" organized by Udyog development foundation, New Delhi in collaboration with Indian Medical Association held at medical convention center Varanasi on **2nd October 2015**.
- ❖ Attended 2nd national seminar on "*Profession of Pharmacy: Challenges & opportunities*" held at Institute of Pharmaceutical science and research (IPSR) on **18th October 2015**.

- ❖ Attended a one-day workshop on ***“Hands on training on HPLC”*** organized by the Department of Chemistry and Faculty of Pharmacy in collaboration with the Agilent Technologies India Pvt. Ltd on **26th October 2015**.
- ❖ Attended a workshop on ***“Cervix Cancer”*** at Vishweshwariya Hall, Lucknow on the occasion of World Cancer Day organized by Cancer Aid Society supported by American Cancer Society held on **4th February, 2016**.
- ❖ Attended an International Conference on ***“Exploring Opportunities and Future Avenues in Pharmaceutical Sciences”*** organized by Azad Institute of Pharmacy & Research, Lucknow from **23rd to 25th February 2016**.
- ❖ Organized a seminar as an organizing member on the topic ***“Pharmacist: caring for you”*** in the faculty of Pharmacy, Integral University on the occasion of ‘World Pharmacist Day’ **26th September 2016**.
- ❖ Attended an international congress on the topic Post Harvest technologies of agriculture produce for sustainable food and Nutritional security held at Integral University Lucknow on 10 to 12 Nov 2016.
- ❖ Organized a seminar as an organizing member on the topic ***“From research to health care: your pharmacist is at your service”*** in the faculty of Pharmacy, Integral University on the occasion of ‘World Pharmacist Day’ **25-26th September 2017**.
- ❖ Attended a one day International seminar on ***“Advancement in biotechnology: current and future perspectives”*** organized by department of bioengineering and bioscience, Integral University on **25th November 2017**.
- ❖ Attended a two days workshop on ***Emerging challenges of cybercrime*** in India held at JNU, New Delhi on **9 and 10th October 2017**.
- ❖ Attended a one day seminar on ***“Following the research workflow using Elsevier’s Tool”*** organized by HRDC, IU in collaboration with Elsevier, India on **6th march 2018**.
- ❖ Attended a regional workshop on Research based pedagogical Tools held in HRDC Integral University Lucknow in collaboration with IISR Pune, funded by DST, from **23 to 25th October 2018**.
- ❖ Attended a conference cum workshop on ***Allergy update*** held at IIMSR, Lucknow on **31 October 2018**
- ❖ Attended a symposium on ***“Segregated waste disposal and Management”*** held at Integral University on **7 November 2019**.
- ❖ Attended a DST-SERB two days’ workshop on nano and micro formulations as drug delivery systems on 9 to 10 march 2021 organized by department of biosciences, Integral University Lucknow.

- ❖ Attended a QIP workshop on spreadsheet applications conducted by IQAC and HRDC, Integral University from 25/06/21 to 15/07/21.
- ❖ Attended a AICTE sponsored one-week STTP on the topic “Educational Program for pharmacy teachers on orientation of recently admitted students” organized by Rajarshi Shahu college of Pharmacy, Buldana from 9th to 14th august 2021.
- ❖ Participated in AICTE recognized short term course on free software and resources for technical education through ICT conducted by computer science and technology through NITTR Chandigarh from 21/03/2022 to 25/03/2022.
- ❖ Attended workshop on Plagiarism and code of conduct organized by HRDC , Integral University Lucknow from 02/03/2022 to 03/03/2022.

✓ **PAPER PUBLISHED**

1. **Kuldeep Singh**, Samar Mujeeb, Shweta Sinha et al. “A review on Coumarin derivatives as potent anti-Tuberculosis agent” **Mini review in medicinal chemistry**. SCI (**Impact Factor: 3.862**) ISSN: 1875-5607. 2022;22(7):1064-1080,. DOI: 10.2174/1389557521666210927124511
2. **Kuldeep Singh**, Shweta Sinha, Syed Misbahul Hasan et al “Therapeutic journey and recent advances in the synthesis of coumarin derivatives. SCI (**Impact Factor: 3.862**), ISSN: 1875-5607. 2022;22(9):1314-1330. <https://doi.org/10.2174/1389557521666211116120823>
3. **Kuldeep Singh**, Piyush Kumar et al “Design, Synthesis and Anticancer Evaluation of Novel Benzopyran 1, 3, 4-Oxadiazole Derivatives” Indian Journal of Heterocyclic Chemistry 2020, 30(3), 395-402. (SCI), (IF 0.339) **ISSN:** 0971-1627, ISBN: 2456-4311. <https://connectjournals.com/01951.2020.30.395>.
4. **Kuldeep Singh**, Piyush Kumar et al “Design, Synthesis and Evaluation of Anticancer Potential of Novel Benzopyran Schiff Base Derivatives" Indian journal of heterocyclic chemistry 2020, 30, (2), 297-305. (SCI) (IF 0.339) ISSN: 0971-1627, ISBN: 2456-4311.
5. Md. Owais, Arun Kumar, **Kuldeep Singh** et al “Benzoxazole as a promising antimicrobial agent: A systematic review” Dogo Rangsang Research Journal 2020, 10 (8) 29-39. ISSN: 2347-7180.
6. **Kuldeep Singh**, Ravikant Kushwaha et al “**Chromen derivatives as antiepileptic**” International Journal of Pharmaceutical Sciences & Research 2020, 11 (3), 1084-1088. (**Scopus indexed**) ISSN ONLINE: 0975-8232.
7. **Kuldeep Singh**, Annie Gupta, et al “Resurgence of grain amaranth in the food and nutraceutical industry” *biochemical and cellular archives*. 2019, 19 (2) 3521-3528. (**Scopus indexed**) ISSN: 0976-1772. DOI : 10.35124/bca.2019.19.2.3521

8. **Kuldeep Singh**, Ravikant Kushwaha et al “A review on chromen derivatives and their pharmacological derivatives” *Research journal of pharmacy and technology* 2019, 12(11), 5566-5574. ISSN: 0974-360X. (**Scopus indexed**)
9. **Kuldeep Singh**, Annie Gupta, et al “Isolation, Identification and Quantification of Bioactive Compounds from *Amaranthus Hypochondriacus* Leaf Extract: A Vital Source of Potent Natural Antioxidants” *International Journal of Pharmaceutical Sciences & Research*. 2019, 10 (12) 5632-5638. (**Scopus indexed**) **ISSN ONLINE: 0975-8232**.
10. **Kuldeep Singh**, Anurag Kumar, Ch. V Rao “Gastroprotective Effect of Ethanolic Extract of *Trichosanthes dioica* Fruit on Experimental Gastric Ulcer in Rats” *International Journal of Pharmaceutical Sciences & Research* 2018, 9(10) 4481-4486. (**Scopus indexed**)
11. **Kuldeep Singh**, Zeeshan Ahmad, Syed Misbahul Hasan “Zika virus: A challenge for humans” *International Journal of Pharmaceutical Sciences & Research*. 2018, 9 (6), 2149-2161 MCN: IU/R&D/2017-MCN000139. (**Scopus indexed**).
12. **Kuldeep Singh**, Zeeshan Ahmad, Juber Akhtar “Middle East Respiratory Syndrome-Coronavirus (Mers-Cov) In India and Abroad” *International Journal of Pharmaceutical Sciences & Research*. 2017, 8(11), 4496-4512. (**Scopus indexed**)
13. Pushpendra K Shukla, J Akhtar Ankita Misra, Manish Kumar, Jaichand, **Kuldeep Singh**, “Simultaneous Quantification of Forskolin and Iso-forskolin in *Coleus forskohlii* (Wild.) Briq. and Identification of Elite Chemotype, Collected from Eastern Ghats (India)” *Pharmacognosy magazine*, 2018, 13 (4) S881-S885. (**Impact factor 1.085**). **ISSN: 0973-1296**. doi: 10.4103/pm.pm_202_17.
14. **Kuldeep Singh**, Mohammad Zahid, Muhammad Arif, Md Akhlaquer Rahman, Mohd Mujahid “Solvent Extraction and Gas Chromatography–Mass Spectrometry Analysis of *Annona squamosa* L. Seeds for Determination of Bioactives, Fatty Acid/Fatty Oil” *Journal of dietary supplements*, 2018, 15(5), 613-623. (**Impact factor 2.272**) **ISSN: 1939-0211**
15. **Kuldeep Singh**, Piyush Kumar, Syed Misbahul Hasan, Azizur Rahman “A Review of Benzopyran Derivatives in Pharmacotherapy of Breast Cancer” *Asian Journal of Pharmaceutical and clinical research* 2018, 11 (7) 43-46. MCN No. is IU/R&D/2017-MCN000263. (**Scopus indexed**) **ISSN: 2455-3891**.
16. Ahtsham ahmad, Vaseem A. Ansari, **Kuldeep Singh** “Liposomal cosmeceutical: new era of anti-aging formulation” *World Journal of Pharmaceutical Research*, 2018, 7(9), 202-215. **ISSN: 2277-7105**.
17. Mohammad Zahid, Mohd Mujahid, **Kuldeep Singh** “ANNONA SQUAMOSA Linn. Custard apple: An aromatic medicinal plant fruit with immense nutraceutical and therapeutic potential” *International Journal of Pharmaceutical Sciences & Research*. 2018, 9(5), 1745-1759. IU/R&D/2017-MCN00017. (**Scopus indexed**)

18. **Kuldeep Singh**, Zeeshan Ahmad, Vaseem A. Ansari, Arun Kumar, Muhammad Arif. "Nano Formulation: A Novel Approach for Nose to Brain Drug Delivery" *Journal of Chemical and Pharmaceutical Research*, 2016, 8(2), 208-215. (**Scopus indexed**) ISSN: 0975-7384.
19. Talha Jawaid, Mehaz Kamal, **Kuldeep Singh** 'Evaluation of Wound Healing Activity of *Ziziphus Xylopyrus* (Retz) Wild Leaves Extract in Experimental Animals' *International Journal of Pharmaceutical Sciences & Research*.2017,8(3),1287-93. (**Scopus indexed**)
20. Kuldeep Singh*, Bushra Begam, Azizur Rahman "Synthesis and biological evaluation of some novel piperazine derivatives" *Indian Journal of heterocyclic chemistry*, vol 26, no. 3 & 4 (oct-dec 2016) 147-153. **Impact factor: 0.339**
21. V. A. Ansari, M. D. Mujahid, H. H. Siddiqui , R. K. Dixit and **Kuldeep Singh**, "In vitro study for antiplatelet activity of 'Kalonji' (*Nigella sativa*) extracts Using Aspirin as standard" *Journal of Chemical and Pharmaceutical Research*, 2016, 8(1):182-185. (**Scopus indexed**) ISSN: 0975-7384.
22. **Kuldeep Singh**, Md. Zeeshan, Vaseem A. Ansari, Zeeshan Ahmad, Paramdeep Bagga, "Prevention and Control of Dengue by Herbal Remedies" *Journal of Chemical and Pharmaceutical Research*, 2016, 8(3), 708-713. (**Scopus indexed**) ISSN: 0975-7384.
23. Muhammad Arif, Mehnaz Kamal, Talha Jawaid, Mohammad Khalid, **Kuldeep Singh** "Carissa carandas Linn. (Karonda): An exotic minor plant fruit with immense value in nutraceutical and pharmaceutical industries" *Asian Journal of Biomedical and Pharmaceutical Sciences*, 2016, 6(58), 14-19., ISSN: 2249-622X. (**Scopus indexed**)
24. V. A. Ansari, S. P. Singh, Md. Mujahid, **Kuldeep Singh** and Muhammad Arif, "Development of filarial vaccine by targeting stage specific proteins" *Journal of Chemical and Pharmaceutical Research*, 2016, 8(2):269-274. (**Scopus indexed**) ISSN: 09757384
25. **Kuldeep Singh**, Paramdeep Bagga, Pragati Shakya, Arun Kumar, M. Khalid, J. Akhtar and M. Arif, "Validated UV Spectroscopic Method for Estimation of Montelukast Sodium" *International Journal of Pharmaceutical Sciences & Research*. 2015, 6(11), 4728-4732. (**Scopus indexed**)
26. **Kuldeep Singh**, H.H Siddiqui, Pragati Shakya, Paramdeep bagga, Arun Kumar, M.Khalid, M.Arif, Piperazine – A Biologically Active Scaffold" *International Journal of Pharmaceutical Sciences & Research*. 2015, 6(10), 4145-4158. (**Scopus indexed**)
27. M. Khalid, J. Akhtar, Badruddeen, M. Arif and **Kuldeep Singh**, "Pharmacognostical Investigation and Total Phenolic Content of *Dalbergia Latifolia* (Roxb) Bark" *International Journal of Pharmacognosy*. 2015, 2(5): 248-253. ISSN: 2348-2962.
28. Yasmeen Jahan, Tarique Mahmood*, Paramdeep Bagga, Arun Kumar, **Kuldeep Singh** and Mohd Mujahid, "Future Prospects of Cough Treatment; Herbal Medicines V/S Modern

- Drugs” *International Journal of Pharmaceutical Sciences & Research*. 2015, 6(9), 1000-09. **(Scopus indexed)**
29. Sushma Singh, Sandeep Kumar Singh* and **Kuldeep Singh**, “Management of Pain and Fever in Different Medicinal System- A Review” *International Journal of Life Sciences and Review (IJLSR)* 2015 Vol. 1(5): 1 . **ISSN: 2394-9864**
 30. **Kuldeep Singh**, Pragati Shakya, Arun Kumar, Shashi Alok, Mehnaz Kamal “Stereochemistry and Its Role in Drug Design”. *International Journal of Pharmaceutical Sciences & Research*. 2014; 5(11): 4644-59.doi: 10.13040/IJPSR.0975-8232.5 (11).4644-59. **(Scopus indexed)**
 31. **Kuldeep Singh**, Ashok .K. Shakya, H.H. Siddiqui, “Synthesis and Pharmacological Investigation of Novel 1-(4-Benzhydryl Piperazin-1-Yl)-3-(Di-Substituted) Propan-1-One as New Class of Antihistaminic Agents’ *Indian Journal of heterocyclic chemistry*. 2012, 22, 99-102. **Impact factor: 0.339**
 32. Mohd Yunus, H. H. Siddiqui, Paramdeep Bagga, Md. Ahmad Ali and **Kuldeep Singh** ‘A simple UV spectrophotometric method for the determination of flupenthixol dihydrochloride in bulk and pharmaceutical formulations’ *International Journal of Pharmaceutical Sciences & Research*. 2011, 2(8), 2152-2155. **(Scopus indexed)**
 33. Pragati Shakya, N.V. Satheesh Madhav, Ashok K. Shakya, **Kuldeep Singh**, “Palatal Mucosa As A Route For Systemic Drug Delivery: A Review” *Journal of Controlled Release*. 2011, 151, 2-9. **Impact factor: 9.77 ISSN: 1873-4995**.
 34. Paramdeep Bagga, Mohd Salman, H. H. Siddiqui, **Kuldeep Singh**, ‘A simple UV spectrophotometric method for the determination of Febuxostate in bulk and pharmaceutical formulations’ *International Journal of Pharmaceutical Sciences & Research*. 2011, 2(10), 2655-2659. **(Scopus indexed)**
 35. **Kuldeep Singh**, Pragati Shakya “Determination of Pioglitazone hydrochloride in bulk and pharmaceutical formulations by UV spectrophotometric method” *International Journal of Pharmaceutical Sciences & Research*. 2010, 1 (11), 153-157. **(Scopus indexed)**
 36. N.V. Satheesh Madhav, Ashok K. Shakya, Pragati Shakya, **Kuldeep Singh**, “Orotransmucosal Drug Delivery Systems: A review” *Journal of Controlled Release*. 2009, 140, 2-11. **Impact factor: 9.77 DOI: [10.1016/j.jconrel.2009.07.016](https://doi.org/10.1016/j.jconrel.2009.07.016)**
 37. Pragati S, Ashok S., **Kuldeep S**. “Review: Recent advances in periodontal drug delivery systems” *International Journal of Drug Delivery*. 2009, 1, 1-14. (Scopus Indexed till 2016) ISSN: 0975-0215.

38. S. Pragati, S. **Kuldeep**, S. Ashok, M. Satheesh., “Review Article: Solid Lipid Nanoparticles: A Promising Drug Delivery Technology” *International Journal of Pharmaceutical Sciences and Nanotechnology*. 2009, 2(2), 509-516. (**Scopus indexed**) **ISSN: 0974-3278**
39. Jagbir Gadoria, Anurag Khatkar, Sarita Khatkar, Rekha Rao, **Kuldeep Singh**, “2-(4-Oxo-2-Thiazolidine-5-Ylidine) Methyl) Phenoxy) Acetamides” As Anticonvulsant Agents. *Oriental journal of chemistry*. 2008, 24(2), 673-676. (**Scopus indexed**) **ISSN: 2231-5039**
40. Jagbir Gadoria, **Kuldeep Singh**, S.K. Jain “Synthesis and Anticonvulsant Study of Benzyldine Rhodanine Derivatives” *Oriental journal of chemistry*. 2008, 24(2), 713-716. (**Scopus indexed**). **ISSN: 2231-5039**
41. Gautam, A K Jain, **Kuldeep Singh** “Synthesis and Biological Screening of 2, 5-Disubstituted 1, 3, 4- Oxadiazole Derivatives” *bioscience, biotechnology research asia*, 2007, 4(1) 326-328. (**Scopus indexed**) **ISSN: 2456-2602**.
42. **Kuldeep Singh**, Jagbir, Gautam ‘Synthesis of Benzimidazole Derivatives and Study of Their Antimicrobial and Antifungal Activity” *Oriental Journal of Chemistry*. 2007, 23(2), 641-646. (**Scopus indexed**) **ISSN: 2231-5039**.
43. **Kuldeep Singh, Faisal Saeed, Zeeshan Ahmad, Pragati Shakya** “Alopecia: introduction and overview of herbal treatment” *Journal of Chemical and Pharmaceutical Research*, 2016, 8 (8) 59-64. (**Scopus indexed**)
44. Khursheed Ahmad, Vaseem A Ansari, **Kuldeep Singh** “**Curcuma Longa: Boon for health care system with its biomedical application**” *International Journal of Pharmaceutical Sciences & Research*. 2015, 6 (10), 1000-06.
45. Mohammad Zishan, Poonam Kushwaha, Kuldeep Singh “Vesicular drug delivery system” *World Journal of Pharmacy and Pharmaceutical Sciences*. 2017, 5(6) 546-560.
46. Juhee Ansari, Shom Prakash Kushwaha, Vaseem Ahmad Ansari, Kuldeep Singh, Syed Misbahul Hasan Agar well diffusion: A prominent method for In vitro screening of antimicrobials” *International Journal of Botany Studies*. 2021, 6(5) 836-839. **ISSN: 2455-541X**.
47. Kuldeep Singh, Ashok K. Shakya, Shashi Alok, Shom Prakash Kushwaha and Piyush Kumar “design synthesis and pharmacological investigation of novel benzhydryl piperazine derivatives as a new class of anti-convulsant agents” *International Journal of Pharmaceutical Sciences & Research* 2022, 13 (6) 2476-2483.
48. Shom Prakash Kushwaha, Kuldeep Singh “Compassionate role of synergism in herbal formulation” paper accepted in *International Journal of Biology, Pharmacy and Allied Sciences* 2022, vol 11(12). **ISSN:2277-4998 (Web of science)**
<https://doi.org/10.31032/IJBPAS/2022/11.12.6626>

49. Kuldeep Singh, Ashok K. Shakya, Shashi Alok, Rajashri R. Naik and Arun Kumar "Synthesis and anti-convulsant activity of novel benzhydryl piperazine derivatives" International Journal of Pharmaceutical Sciences & Research 2022, 13(4) 1777-1784. DOI: 10.13040/IJPSR.0975-8232.13(4).1777-84
50. Alpa Verma, Arun Kumar, Syed Misbahul Hasan, Kuldeep Singh, Bhavana Dubey and Parul Mishra "Biological Aspects of Novel Benzothiazole Derivatives" International Journal of Pharmaceutical Sciences & Research. Accepted on 27 august 2022. 2023; Vol. 14(3): 1046-1053.
51. Sugat Shukla, Arun Kumar, Shikhar Verma and Kuldeep Singh "Heterocycle-Fused Benzimidazole: A Privileged Scaffold in Antimicrobial Drug Discovery" International Journal of Pharmaceutical Sciences & Research. Accepted on 03 august 2022. 2023; Vol. 14(2): 674-687.
52. Kuldeep Singh, R K Kushwaha, D. Chandra, P Kumar "Synthesis and *in vitro* antitubercular activity of some chroman derivatives" Annals of Phytomedicine 11(2): 1-7, 2022 (Web of science) ISSN: 2278-9839. DOI: 10.54085/ap.2022.11.2.45
53. Kuldeep Singh, Shobhit Srivastava, Sujeet Kumar Gupta*, Shomprakash Kushwaha, Arun Kumar, Piyush Kumar** and Parveen Kumar. Recent advances in isatin-thiazole hybrids as potential anticancer agents. Annals of Phytomedicine 11(2): 1-9, 2022 (Web of science) ISSN: 2278-9839. <http://dx.doi.org/10.54085/ap.2022.11.2.0>.
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68. Kushwaha SP, Hasan SM, Singh K, Kumar A And Arif M Synergistic Contribution Of Quercetin Towards Antioxidant Activity Of Stevia Rebaudiana Leaves. International journal of biology pharmacy and allied sciences. 2024, 13(7): PAGE NO <https://doi.org/10.31032/IJBPAS/2023/12.11.7523>. ISSN: 2277–4998.j
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74. Suprabha Nishad, Syed Misbahul Hasan, Shom Prakash Kushwaha, Kuldeep Singh, Arun Kumar and Suvaiv, Anticancer structure activity relationship of podophyllotoxin of various species of Podophyllum. Annals of Phytomedicine 13(1): 70-83, 2024 (Web of science) ISSN: 2278-9839. DOI: <http://dx.doi.org/10.54085/ap.2024.13.1.6>

Honor Received:

1. Inclusion in the panel of PCI inspector as an PCI Inspector by the Pharmacy council of India, Delhi.
2. I got Dr. PD Sethi national award (Certificate of merit) for the best research paper on application of TLC/HPTLC in pharma, herbal and other chemical analysis.
3. Got a medal and appreciation certificate for the Research Excellency by the Chancellor of Integral University on the occasion of Independence Day, 15th august 2021.

4. Got International scientist awards 2021 by VD Good Technology factory Tamilnadu.
5. Guest of honor in the J S Singh Institute of Pharmacy Sitapur on the occasion of Annual fest, on 28/05/2022.
6. Guest in the International conference title “Global Prospectives of Pharmacy Education: Bridging the Gap between Academia and Industry under NEP-2020. held at Shree Krishna college of Pharmacy, Sitapur on 29th October 2023.
7. Appointed as a Discipline Coordinator in the Pharmaceutical Chemistry on 21 August 2023.

Patents published and granted:

1. Australian patent has been granted title “Synthesis of Some 3-Amino-2-Phenyl Quinazolin-4(3h)-One Derivatives as Potential Anti-Inflammatory Agent” on 11 May 2022. Patent application number: 2021104569. Grant published: 26/05/2022
2. Australian patent has been granted title “A Dedicated Remote Health Monitoring System and Method for Medical Practitioners” on 23 March 2022. Patent application number: 2021104041. Published : 07/04/2022
3. Indian patent published on the title “Novel formulation of Pimaricin for ocular drug delivery” on 11 Feb 2022. Patent application number: 202211006156.
4. Indian patent published on the title “N-(2-(1H-Imidazole-4-Yl) Ethyl-4-(5,11-Dioxoisindolo [2,1-A] Quinazolin-6(5h,6ah,11h)-Yl) Butanamide as Inhibitors of P53-Mdm2 as Potential Anticancer Agents” on 25 Feb 2022. Patent application number: 202211007630.
5. Indian patent published on the title “Synthesis of series of 3-benzylidene-2-(4-substituted phenyl sulphonyl)-7-substituted isoindoline-1-one derivatives as a potential antitubercular agent.” on 24 Sep 2022. Patent application number: 202211007630.
6. A UK design patent has been granted title “Fully automatic centrifuge machine”. Design number: 6319350. Date of filing: 16/10/2023, Date of grant: 23/10/2023, Date of Published: 24/10/23. Googledrive link: https://drive.google.com/file/d/1ZernM1rEQheMFdnGHLu_7Hu4Bo_bk7WGp/view?usp=drive_link
7. A UK design patent has been granted title “Device for measuring analgesic and anti-inflammatory activity of certain synthetic compounds”. Design number: 6320786. Date of filing: 21/10/2023, Date of grant: 30/10/2023, Date of Published: 31/10/23. Google drive link: https://drive.google.com/file/d/1NVOSD7vPy38LgOI9SDhfHaJHpw4VTi4X/view?usp=drive_link
8. An Indian patent has been granted title “Medical instrument for transdermal delivery of Insulin on 31 October 2023. Application Number: 398862-001, Cbr Number: 213793. Design Accepted and Published, Journal No is 51/2023 and Journal Date is 22/12/2023

Published article in Magazine

1. Kuldeep Singh, Juber Akhtar: Article published on the topic “Specialty contain fine chemicals as actives” in the Pharma magazines south Asia in January 2016 edition, page no. 27-32.
2. Kuldeep Singh: an article published on the topic “Cosmetic risk and assessment in Europe” in the Pharma magazines south Asia in February 2016 edition. Page no. 52-54.
3. Kuldeep Singh, Arun Kumar Article published on the topic “Specialty and fine chemicals-focus on Russia” in the Pharma magazines south Asia in January 2016 edition, vol 9, issue 12, page no. 48-51.

✓ PUBLISHED ABSTRACT

- ❖ Poster presented on the topic of “**Synthesis Anticonvulsant and Neurotoxicity Evaluation of Some Novel Benzofuran Analogs**” in the proceedings of the national seminar on recent advances in medicinal chemistry sponsored by UGC and organized by department of chemistry Christian P.G College Lucknow on 7-9 Nov 2014.
- ❖ Poster presented on the topic **Gene Therapy for ‘AIDS’** in the proceedings of the national seminar on current prospective in drug discovery and pharmacoinformatics organized by Global institute of pharmaceutical education and research Kashipur. Uttarakhand on 27 April 2014.
- ❖ Abstract is accepted in the proceedings of the national seminar on current prospective in drug discovery and pharmacoinformatics on the topic “**Isolation and Evaluation of a Polysaccharide from Phoenix Sylvestris as a Carrier for Trans-Soft Palatal Delivery of Pioglitazone Hydrochloride**” organized by Global Institute of Pharmaceutical Education and Research Kashipur. Uttarakhand.
- ❖ Abstract is accepted in the proceedings of the national seminar on current prospective in drug discovery and pharmacoinformatics on the topic “**Multidimensional Potential of 2-Substituted Benzothiazole containing Molecule in Functional Materials**” organized by Global Institute of Pharmaceutical Education and Research Kashipur. Uttarakhand.
- ❖ Abstract entitled “**Multidimensional Potential of Substituted Benzoxazole Containing Molecule in Functional Materials**” accepted in the proceeding of National seminar on Interfacing chemical biology and Drug design will be held at Amity University Lucknow campus on 24-25 February 2015.
- ❖ Abstract entitled “**Dots and Dots-Plus**” Published in the Proceedings of Conference in the IJPSR Journal held at faculty of Pharmacy, Integral university, Lucknow on 03 march 2015.
- ❖ Abstract entitled “**Curcuma Longa :Boon For Health Care System With Its Biomedical**

Application” Published in the Proceedings of Conference in the IJPSR Journal held at faculty of Pharmacy, Integral University, Lucknow on 03 march 2015.

- ❖ Abstract entitled “**Piperazine derivatives-a novel approach towards AIDS**” Published in the Proceedings of Conference in the IJPSR Journal held at faculty of Pharmacy, Integral University, Lucknow on 03 March 2015.
- ❖ Abstract entitled “**Pediatric Cancer**” Published in the Proceedings of Conference in the IJPSR Journal held at faculty of Pharmacy, Integral University, Lucknow on 03 March 2015.

Orientation Programme / FDP / Short term course/Refresher course/webinar/PDP

- ❖ Attended a twenty-eight days UGC Sponsored Orientation Programme held at UGC Human resource Development Center (HRDC) Aligarh Muslim University, from 24 May to 20 Jun 2016.
- ❖ Attended a seven days Faculty development programme on MATLAB from 1st to 7th February, 2016 held at Integral University Lucknow.
- ❖ Attended a one-week short term course on “Gender equality in academic leadership” conducted by UGC HRDC, in Integral University Lucknow from 6th July to 12th July 2017.
- ❖ Attended a five days Abdul Kalam University Lucknow sponsored Faculty development programme on “Drug patenting and intellectual patent rights” held at Azad Institute Lucknow from 24 to 28th July 2017.
- ❖ Attended a one-week short term course on “Climate change and disaster management through ICT” conducted by rural development department and Integral University from 06 November 2017 to 10 November 2017.
- ❖ Attended a faculty development programme on the topic “training of the trainers” held at Amity University from 11 Jun 2018 to 15th Jun 2018.
- ❖ Attended a twenty-one days UGC Sponsored Refresher course held at UGC Human resource Development Center (HRDC) Aligarh Muslim University Lucknow, from 23 Jun 2018 to 13 July 2018.
- ❖ Attended a six days training programme on ‘Academic leadership’ held at Integral University, under the scheme of PMMMNMTT(MHRD, Gov. of India) from 07/09/2018 to 13/09/2018.
- ❖ Attended a four days training programme on ‘Academic leadership’ held at Integral University, under the scheme of PMMMNMTT(MHRD, Gov. of India) from 08/04/2019 to 11/04/2019.

- ❖ Attended a QIP short term course AICTE sponsored on “Emerging computational tools in drug design & discovery” organized by Department of Pharmaceutical engineering & technology, IIT BHU Varanasi from 03-09 October, 2019.
- ❖ Attended a webinar on Current trends in natural products research and Innovation. Organized by Swamy Vivekanandha college of pharmacy Tamilnadu on 16/05/2020.
- ❖ Organized a webinar on Socio psychological impacts of Covid 19 and its managements held at faculty of Pharmacy, Integral University Lucknow on 28/05/2020.
- ❖ Attended a webinar on Molecular docking as popular tool in drug design. Organized by Swamy Vivekanandha college of pharmacy Tamilnadu on 23/05/2020.
- ❖ Attended a e faculty development programme on Future challenges, possibilities and emerging trends in vaccine and drug development organized by IPES and ARKA Jain University Jamshedpur, Jharkhand held from 25th to 30th May 2020.
- ❖ Attended a national e conference on Insights into patent filing procedure for researchers organized by Career University Kota on 30th May 2020.
- ❖ Attended a national webinar on “safe disposal of expired and unused medicine” organized by SPSR in association with IFS College of Pharmacy, Moga, Punjab on 21st May 2020.
- ❖ Attended a national webinar on Covid 19: Rise of cybercrime and compliance to cyber laws organized by faculty of law Integral University Lucknow on 09 May 2020.
- ❖ Attended a webinar on “Raising awareness about mental and physical challenges in Covid 19 Era” organized by HRIT group of Institutions Ghaziabad on 10th Jun 2020.
- ❖ Attended a FDP on “Drug regularity affairs in Pharmaceuticals” organized by Maharana Pratap college of Pharmacy from **14th to 18th January 2020** at Kanpur.
- ❖ Attended an online Induction AICTE-ISTE Sponsored One Week Induction Program On "Multidisciplinary and Translational Drug Development Artificial intelligence in healthcare” organized by Anjum-I-Islam’s Kalsekar technical campus school of pharmacy new Panvel Mumbai from 5th to 13th April 2021.
- ❖ Attended an online workshop on the topic “Intellectual property rights & IP management for startup organized by department of pharmacy and IIC-CPUR, Career point University Kota on 17th April 2021.
- ❖ Attended PDP and worked as a moderator in the two week online professional development program organized by Integral University on the topic “Strategies to overcome challenges in drug development” from 09 November 2021 to 23 November 2021.
- ❖ Attended 26th annual national convention of APTI held at PSIT Kanpur from 2 to 3rd September 2023.

- ❖ Attended a virtual symposium entitles “Adverse drug reaction reporting: A step towards patient safety” organized by Shri Krishna University Chhatarpur (M.P) ON 11th October 2023.
- ❖ Attended a two weeks refresher course/Workshop title “Computational strategies for drug discovery and sustainable development: organized by department of chemistry and HRDC, Integral University Lucknow from 9th August to 14th October 2023.

✓ **NO. OF M. PHARM GUIDED STUDENTS: 15**

✓ **EXTRA ACHIEVEMENT**

- A distance learning “GENERAL COURSE ON INTELLECTUAL PROPERTY RIGHTS” from 1th October to 15th November 2008 through WIPO Geneva
- Successfully completed a 21 days course on Introduction to molecular spectroscopy from Manchester University through Coursera from 24/06/2020 to 13/07/2020.
- Editorial board member of Indian Journal of Pharmaceutical Sciences and Research (IJPSR).
- Editorial board member of International Journal of Pharmacognosy.
- Executive editor of International Journal of Life Sciences and Review (IJLSR).
- Editorial board member of Universal Journal of Pharmaceutical Research (UJPR)
- Qualified CCC (Course on Computer Concept) examination organized by national institute of electronics and information technology (NIELIT) on 17 Jan 2014.
- Article published on the topic “Specialty contain fine chemicals as actives” in the Pharma magazines south Asia in January 2016 edition.
- Organized an antibiotic awareness week from 18 to 24 November 2019 as a convener.
- 01 research paper got Dr P D Sethi memorial annual National Awards 2018.
- Working as a project Evaluator in the UPCST Lucknow
- Worked as a moderator in the two weeks Professional development programme (PDP) held in faculty of Pharmacy, Integral University Lucknow.

Oral Talk and guest lecture:

1. Delivered an oral talk on the topic “Academic research versus pharmaceutical industry research” in the national seminar in IPSR Institute Lucknow on 15/03/2015.
2. Delivered an oral talk on the topic “Role of antihistaminic in allergy” in the 2nd national seminar in IPSR Institute Lucknow on 18/10/2015.
3. Delivered a guest lecture on the topic “Topical agents” at DKRR college on 16/11/2019.

4. Delivered an oral talk on the topic of “Computational Drug Repurposing” in the Future Institute of Pharmacy, Bareilly on 23 feb 2020.
5. Delivered an oral talk on the topic of “Synergistic Antioxidant Activity Exhibition by Aqueous Extract Mixtures of Ripe and Unripe *Musa Acuminata* Fruits” in International Euroasia congress on scientific researches and recent trends-XI held on February 18-20, 2022/Anatlya, Turkiye.
6. Delivered a guest lecture on the topic “Antitubercular drug” on 11 march 2022 at Amity Institute of Pharmacy, Amity University Lucknow.
7. Delivered a guest lecture on the topic “Anti-convulsant agents” at Shree Krishna College of Pharmacy Sitapur on 16/04/2022.
8. Delivered a guest lecture on the topic “Resonance” at Shree Krishna College of Pharmacy on 04/05/2022.
9. Delivered a guest lecture on the topic “Scope of chemistry in pharmaceuticals” at Dev Kumari Rajaram, pharmacy, shiksha sansthan Lucknow on 27/11/2021.
10. Delivered a guest lecture on the topic “Nucleophilic substitution reaction” at IIMT College of medical sciences, IIMT University Meerut on 18/05/2022.
11. Guest speaker in the national conference title “Recent trends in phytopharmaceuticals” held at Harsha Institute of Pharmacy, Lucknow on 16th December 2023.
12. Oral presentation in the International Conference tile “In Silico Study of Benzopyran Derivatives Against InhA, DprE1, EmbC, and FtsZ Target Proteins of *Mycobacterium tuberculosis*” held at Shree Krishna college of Pharmacy, Sitapur on 29th October 2023.
13. Oral presentation in the International Conference tile “ In Silico evaluation of benzopyran derivatives against Novel tuberculosis targets: Thymidylate Kinase and DprE. held at Integral University on 10 March 2024 and secure first position.
14. Oral presentation in the APTICON tile Molecular docking synthesis and antibacterial evaluation of novel N-(2-oxo-2H-chromen-6-yl)-2-piperazin-1-yl-acetamide derivatives held at PSIT Kanpur on 02-03 September 2023.

✓ **ACADEMIC AND ADMINISTRATIVE RESPONSIBILITIES**

- Worked as a Chairman of Departmental IQAC (Internal quality assurance committee).
- Worked as a Course Coordinator of B. Pharm for 10 years.
- As a Sports Coordinator for 8 years.
- As a Placement Coordinator for 08 year.
- Worked as a Core Committee Member of CBCS (Choice Based Credit System).

- Worked in the Anti Ragging Committee and Discipline Committee of the University.
- Organized a national level seminar as a joint organizing secretary in the faculty of pharmacy, Integral University on 3rd march 2015.
- Organized a 'Pharmacy Quiz' as a quiz coordinator in the faculty of pharmacy, Integral University, Lucknow.
- Organized a seminar as a joint organizing secretary in the faculty of Pharmacy, Integral University on the occasion of 'World Pharmacist Day' 25 September 2015.
- Able to conduct inspections for all approval/affiliation process like PCI, AICTE.
- Worked as a member of NIRF committee.
- Worked as an active member of Departmental student's Grievance Cell.
- Worked as an active member of Departmental Research Committee
- Worked as a Head Examiner in end semester examination of B.Pharm 4th year.
- Worked as an active member of programme 'World antibiotic Awareness Week', 2016 in the faculty of pharmacy, Integral University Lucknow on 7th Dec 2016.
- Worked as a technical paper presentation coordinator during fiesta programme 2017.
- Worked as a Pharma Quiz coordinator during Fiesta 2017 in the faculty of Pharmacy, Integral University Lucknow.
- Appointed as a Judge in the Hindi essay writing during fiesta 2017 organized by Mathematics department.
- Worked as a Convenor in the blood donation camp organized by faculty of pharmacy, Integral University Lucknow on 8th April 2017.
- Active role to conduct the student Industrial summer training in reputed industries like Akum Pharmaceuticals Haridwar and Venus Remedies.
- Organize world AIDS day in the collaboration of UPSACS Lucknow on 1st December 2017 at Integral University Lucknow.
- Worked as an active member of proctorial board.

✓ REFERENCES

☼ Prof. (Dr.) Ashok K. Shakya
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 Amman University, Po Box 263, Amman 19328 (Jordan)
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★ Dr. Senthil Raja A
Associate Professor, BHU Varansi
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DECLARATION

I do declare that the above statements are true & correct the best of my knowledge & belief.

KULDEEP SINGH