

**Name: Pradeep Kumar**  
**Designation: Assistant Professor,**  
**Department of Pharmaceutical Sciences and Natural Products,**  
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#### **Education:**

Degree/ Certificate	University /Board	Year	Subject/ Specialization
Ph. D.	M.D.U., Rohtak, Haryana	2013	Pharmaceutical Sciences
M. Pharm. (Pharm. Chem.)	G.J.U.S.&T., Hisar, Haryana	2008	Pharmaceutical Chemistry
B. Pharm.		2006	Pharmaceutical Sciences

#### **Experience:**

Position	Period
Assistant Professor, Department of Pharmaceutical Sciences and Natural Products, Central University of Punjab, Bathinda	July 2015- Current
Assistant Professor, Doon Valley Institute of Pharmacy and Medicine, Karnal, Haryana	June 2013-July 2015
P.D.M. School of Pharmacy, Safidon, Jind, Haryana	August 2008- July 2009

#### **Citations of Research Publications**

My research publications have been cited **2189** times with **h-index** of **19** and **i10-index** of **27** (Source: Google Scholar July 16, 2020). Total Impact Factor = **138**.

#### **Research Areas**

- Design and synthesis of novel medicinally potent compounds.
- Biological screening of novel/synthesized medicinal compounds for their antibacterial, antifungal, antimycobacterial, antiviral and anticancer compounds.
- QSAR studies/molecular docking to correlate the physicochemical parameters/molecular descriptors of the novel/synthesized compounds and their biological property of interest.

#### **Professional Recognition/Awards/Scholarship**

- Resource person (Oral presentation session) in Two Days Faculty Development Programme in collaboration with Indian Pharmacological Society on Emerging Trends in Pharmaceutical Practices, held at Teerthanker Mahaveer College of Pharmacy, Teerthanker Mahaveer University, Moradabad, U.P. on 12th to 13th September, 2014.
- E-Poster Session Evaluator in "PHYTOCON-2018" on "Commercialization of Medicinal Plant Products: Lab Techniques to Trade" organized by School of Pharmaceutical Sciences, Lovely Professional University on April 14, 2018
- Awarded with UGC- Dr. D.S. Kothari Post Doctoral Fellowship - 2015.

- Awarded with UGC-JRF/SRF (October 29, 2009 to June 18, 2013).
- Qualified GATE in Pharmaceutical Sciences in 2006 (GATE score 421, AIR = 709).
- Registered as Pharmacist with Haryana State Pharmacy Council.

### Peer recognition

- Member, Editorial Board, Current Traditional Medicine (Bentham Science Publisher)

### **Reviewer of various international journals like:**

- International Journal of Biological Macromolecules (Elsevier).
- Medicinal Chemistry Research & Chemistry Central Journal (Springer).
- Anti-Cancer Agents in Medicinal Chemistry (Bentham Science Publishers).
- Drug Research (Thieme).
- Journal of Applied Pharmaceutical Science (Open Science Publishers)

### Publications

1. **Kumar P.** (2020) A review on quinoline derivatives as anti-methicillin resistant Staphylococcus aureus (MRSA) agents. **BMC Chemistry**, in press [*Impact factor (IF) = 2.09*].
2. Verma S, Pathania AS, Baranwal S, **Kumar P.** (2020) Synthesis and *in silico* studies of quinazolinone derivatives as PARP-1 inhibitors. Letters in Drug Design and Discovery, in press [*Impact factor (IF) = 1.17*].
3. Arora S, Joshi G, Kalra S, Wani A, Prasad B, **Kumar P**, Kumar R. (2019) Knoevenagel/Tandem Knoevenagel and Michael Adducts of Cyclohexane-1,3-dione and Aryl Aldehydes: Synthesis, DFT studies, Xanthine Oxidase Inhibitory Potential and Molecular Modeling, **ACS Omega**, 4(3), 4604-4614 [*IF = 2.87*].
4. Verma D, Kumar P, Narasimhan B, Ramasamy K, Mani V, Mishra RK, Majeed ABA. (2019) Synthesis, antimicrobial, anticancer and QSAR studies of 1-[4-(substituted phenyl)-2-(substituted phenyl azomethyl)-benzo[b]-[1,4]diazepin-1-yl]-2-substituted phenylaminoethanones, **Arabian Journal of Chemistry**, 12, 2882-2896 [*IF = 4.76*].
5. Bhardwaj N, Pathania, **Kumar P.** (2019) Naturally available Nitrogen-containing fused heterocyclics as Prospective Lead molecules in Medicinal Chemistry. **Current Traditional Medicine**, in press; DOI: [10.2174/2215083805666190613125700](https://doi.org/10.2174/2215083805666190613125700).
6. Kaushik CP, Kumar K, Narasimhan B, Singh D, **Kumar P**, Pahwa A. (2017) Synthesis, antimicrobial activity, and QSAR studies of amide-ester linked 1,4-disubstituted 1,2,3-triazoles, **Monatshheft für Chemie**, 148:765–779 [*IF = 1.35*].
7. Khatkar A, Nanda A, Kumar P, Narasimhan B. (2017) Synthesis, antimicrobial evaluation and QSAR studies of gallic acid derivatives, **Arabian Journal of Chemistry**, 10, S2870–S2880 [*IF = 4.76*].
8. **Kumar P**, Narasimhan B, Ramasamy K, Mani V, Mishra RK, Majeed ABA. (2017) Synthesis, antimicrobial, anticancer evaluation and QSAR studies of 2/3-bromo-N'-(substitutedbenzylidene/3-phenylallylidene) benzohydrazides, **Arabian Journal of Chemistry**. 10 S3740–S3748 [*IF = 4.76*].
9. Khatkar A, Nanda A, **Kumar P**, Narasimhan B. (2017) Synthesis, antimicrobial evaluation and QSAR studies of p- coumaric acid derivatives, **Arabian Journal of Chemistry**, 10, S3804–S3815 [*IF = 4.76*].
10. Kumar S, **Kumar P**, Marwaha RK, Narasimhan B. (2017) Synthesis, antimicrobial evaluation and QSAR studies of propionic acid derivatives, **Arabian Journal of Chemistry**, 10, S881–S893 [*IF = 4.76*].

11. Tahlan S, **Kumar P**, Ramasamy K, Mani V, Mishra RK, Majeed ABA, Narasimhan B. (2017) Synthesis, antimicrobial, anticancer evaluation and QSAR studies of N'-substituted benzylidene/2-hydroxynaphthalen-1-ylmethylene/3-phenylallylidene/5-oxopentylidene -4-(2-oxo-2-(4H-1,2,4-triazol-4-yl) methylamino) benzohydrazides, **Arabian Journal of Chemistry**, 10, S2009–S2017[*IF* = 4.76].
12. Gupta R, **Kumar P**, Narasimhan B. (2017) Synthesis, antimicrobial evaluation and QSAR studies of monochloroacetic acid derivatives, **Arabian Journal of Chemistry**, 10, S909- = S920 [*IF* = 4.76].
13. Deep A, **Kumar P**, Narasimhan B, Lim SM, Ramasamy K, Mishra RK, Mani V. (2016)2-Azetidinone derivatives: synthesis, antimicrobial, anticancer evaluation and QSAR studies, **ActaPoloniaePharmaceutica - Drug Research**, 73(1), 65-78[*IF* = 0.46].
14. Deep A, **Kumar P**, Narasimhan B, Meng LS, Ramasamy K, Mishra RK, Mani V. (2016) Synthesis, antimicrobial and anticancer evaluation of 2-azetidinones clubbed with quinazolinone, **Pharmaceutical Chemistry Journal**, 50(1),24-28[*IF* = 0.54]
15. Deep A, **Kumar P**, Narasimhan B, Ramasamy K, Lim SM, Mani V, Mishra RK. (2016)Synthesis, antimicrobial, anticancer evaluation and QSAR studies of thiazolidin-4-one derivatives, **ActaPoloniaePharmaceutica - Drug Research**, 73(1), 93-106[*IF* = 0.46].
16. Selvam C, Thilagavathi R, Narasimhan B, **Kumar P**, Jordan BC, Ranganna K. (2016) Computer-aided design of negative allosteric modulators of metabotropic glutamate receptor 5 (mGluR5): Comparative molecular field analysis of aryl ether derivatives, **Bioorganic & Medicinal Chemistry Letters**, 26(04), 1140-1144[*IF* = 2.57].
17. **Kumar P**, Narasimhan B, Ramasamy K, Mani V, Mishra RK, Majeed ABA. (2015) Synthesis, antimicrobial, anticancer evaluation and QSAR studies of 3/4-Bromo benzohydrazide derivatives, **Current Topics in Medicinal Chemistry**, 15, 1052-1066[*IF* = 3.22].
18. Khatkar A, Nanda A, **Kumar P**, Narasimhan B. (2015) Synthesis and antimicrobial evaluation of ferulic acid derivatives, **Research on Chemical Intermediates**, 41, 299-3091066 [*IF* = 2.26].
19. Deep A, **Kumar P**, Narasimhan B, Ramasamy K, Mani V, Mishra RK, Majeed ABA. (2015)Synthesis, Antimicrobial, Anticancer Evaluation of 2-(aryl)-4-Thiazolidinone Derivatives and their QSAR Studies, **Current Topics in Medicinal Chemistry**, 15 (11), 990-10021066 [*IF* = 3.22].
20. Vashist N, Sambhi SS, Kumar P, Narasimhan B. (2015)Development of QSAR for Antimicrobial Activity of Substituted Benzimidazoles, **Drug Research**, 65(05), 225-2301066 [*IF* = 0.70].
21. Devi J, Kumari S, Devi S, Malhotra R, **Kumar P**, Narasimhan B. (2015) Synthesis, biological evaluation, and QSAR studies of organosilicon(IV) complexes derived from tridentate ONO Schiff bases of dehydroacetic acid and aromatic hydrazides, **MonatsheftfürChemie**, 146, 1995-20051066 [*IF* = 1.35].
22. Sapra A, **Kumar P**, Kakkar S, Narasimhan B. (2014) Synthesis, antimicrobial evaluation and QSAR studies of p-hydroxy benzoic acid derivatives, **Drug Research**, 64(01), 17-22[*IF* = 0.70].
23. Kumar M, Narasimhan B, **Kumar P**, Ramasamy K, Mani V, Mishra RK, Majeed ABA. (2014) 4-(1-Aryl-5-chloro-2-oxo-1,2-dihydro-indol-3-ylideneamino)-N-substituted benzene sulfonamides:Synthesis, antimicrobial, anticancer evaluation and QSAR studies, **Arabian Journal of Chemistry**, 7, 436–447[*IF* = 4.76].
24. Saini M, Kumar P, Kumar M, Ramasamy K, Mani V, Mishra RK, Majeed ABA, . (2014)Narasimhan B Synthesis, in vitro antimicrobial, anticancer evaluation and QSAR studies of N'-(substituted)-4-(butan-2-lideneamino)benzohydrazides, **Arabian Journal of Chemistry**, 7, 448–460[*IF* = 4.76].

25. Tahlan S, **Kumar P**, Narasimhan B. (2014) Synthesis, antimicrobial evaluation and QSAR studies of stearic acid derivatives, **Drug Research**, 64(02), 98-103 [*IF* = 0.70].
26. Mehta S, Kumar P, Marwaha RK, Narasimhan B. (2014) Synthesis, antimicrobial evaluation and QSAR studies of 2-chlorobenzoic acid derivatives, **Drug Research**, 64(04), 208-213 [*IF* = 0.70].
27. Bansal A, Kumar P, Narasimhan B. (2014) Synthesis, antimicrobial evaluation and QSAR studies of 2-hydroxy propanoic acid derivatives, **Drug Research**, 64, 240-245 [*IF* = 0.70].
28. Meeta, **Kumar P**, Narasimhan B. (2014) Synthesis, antimicrobial evaluation and QSAR studies of p-amino benzoic acid derivatives, **Journal of Pharmaceutical Technology Research and Management** 2014, 2(1), 339-356.
29. Kumar H, Narasimhan B, **Kumar P**, Ramasamy K, Mani V, Mishra RK, Majeed ABA. (2013) Synthesis, in vitro antimicrobial, anti-proliferative and QSAR studies of N-(substituted phenyl)-2/4-(1H-indol-3-ylazo)-benzamides, **Medicinal Chemistry Research**, 22, 1957-1971 [*IF* = 1.35].
30. **Kumar P**, Narasimhan B, Ramasamy K, Mani V, Mishra RK, Majeed ABA, Clercq ED. (2013) N'-(4-((substituted imino)methyl)benzylidene)-substituted benzohydrazides: synthesis, antimicrobial, antiviral, anticancer evaluation, and QSAR studies, **Monatshefte für Chemie**, 144, 825–849 [*IF* = 1.35].
31. **Kumar P**, Narasimhan B. (2013) Hydrazides/hydrazones as antimicrobial and anticancer agents in the new millennium, **Mini Reviews in Medicinal Chemistry**, 13(7), 971-987 [*IF* = 2.73].
32. Mahiwal K, **Kumar P**, Narasimhan B. (2012) Synthesis, antimicrobial evaluation, ot-QSAR and mt-QSAR studies of 2-amino benzoic acid derivatives, **Medicinal Chemistry Research**, 21(3), 293-307 [*IF* = 1.35].
33. Singh M, Kumar S, Kumar A, **Kumar P**, Narasimhan B. (2012) Synthesis, Antimicrobial Evaluation and QSAR Analysis of 2-isopropyl-5-methylcyclohexanol derivatives, **Medicinal Chemistry Research**, 21(4), 511-522 [*IF* = 1.35].
34. Sharma D, Narasimhan B, **Kumar P**. (2012) Synthesis and antibacterial evaluation of Cu(II) and Zn(II) complexes of the  $\beta$ -lactum antibiotic, cefdinir, **Medicinal Chemistry Research**, 21, 796-803 [*IF* = 1.35].
35. Kumar R, **Kumar P**, Kumar M, Narasimhan B. (2012) Synthesis, antimicrobial evaluation and QSAR studies of 4-amino-3-hydroxy-naphthalene-1-sulfonic acid derivatives, **Medicinal Chemistry Research**, 21, 4301–4310 [*IF* = 1.35].
36. Narasimhan B, Sharma D, **Kumar P**. (2012) Benzimidazole: A medicinally important heterocyclic moiety, **Medicinal Chemistry Research**, 21(3), 269-283 [*IF* = 1.35].
37. Sharma SK, Narasimhan B, **Kumar P**, Ramasamy K, Mani V, Mishra RK, Majeed ABA. (2012) Synthesis, antimicrobial, anticancer evaluation and QSAR studies of 6-methyl-4-[1-(2-substituted-phenylamino-acetyl)-1H-indol-3-yl]-2-oxo/thioxo-1,2,3,4-tetrahydropyrimidine-5-carboxylic acid ethyl esters, **European Journal of Medicinal Chemistry**, 48, 16-25 [*IF* = 5.57].
38. Sigroha S, Narasimhan B, **Kumar P**, Khatkar A, Ramasamy K, Mani V, Mishra RK, Majeed ABA. (2012) 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** 2012, 21, 3863–3875 [*IF* = 1.35].
39. Judge V, Narang R, Sharma D, Narasimhan B, **Kumar P**. (2011) Hansch analysis for the prediction of antimycobacterial activity of ofloxacin derivatives, **Medicinal Chemistry Research**, 20(7), 826-837 [*IF* = 1.35].
40. Narasimhan B, Sharma D, Kumar P, Yogeswari P, Sriram D. (2011) Synthesis, antimicrobial and antimycobacterial evaluation of [2-(substituted phenyl)-benzimidazol-1-yl / imidazol-1-yl]-pyridin-3-yl-methanones, **Journal of Enzyme**

- Inhibition and Medicinal Chemistry**, 26(5), 720-727[*IF* = 4.67].
41. Narasimhan B, Saharan R, Kumar P. (2011)Hansch analysis of anti-inflammatory and analgesic activities of substituted 1-alkyl/aryl-3-ethoxy carbonyl-5-hydroxy-2-methyl indoles, **ActaPharmaceuticaScientia**, 53, 117 – 126.
  42. Narasimhan B,Sharma D, **Kumar P**. (2011)Biological importance of imidazole nucleus in the new millennium, **Medicinal Chemistry Research**, 20(8), 1119-1140 [*IF* = 1.35].
  43. Kumar D, Kapoor A, Thangadurai A, Kumar P, Narasimhan B. (2011) Synthesis, antimicrobial evaluation and QSAR studies of 3-ethoxy-4-hydroxybenzylidene/4-nitrobenzylidene hydrazides, **Chinese Chemical Letters**, 22, 1293-1296[*IF* = 4.63].
  44. **Kumar P**, Narasimhan B,Yogeswari P and Sriram D. (2010)Synthesis and antitubercular activities of substituted benzoic acid N'-(substituted benzylidene/furan-2-ylmethylene)-N-(pyridine-3-carbonyl)-hydrazides, **European Journal of Medicinal Chemistry**, 45, 6085-6089[*IF* = 5.57].
  45. Yadav S, **Kumar P**,Clercq E D, Balzarini J, Pannecouque C and Narasimhan B. (2010)4-[1-(Substituted aryl/alkyl carbonyl)-benzoimidazol-2-yl]-benzenesulphonic acids: Synthesis, antimicrobial activity, QSAR studies and antiviral evaluation, **European Journal of Medicinal Chemistry**, 45, 5985-5997[*IF* = 5.57].
  46. Narasimhan B,**Kumar P**, Sharma D. (2010)Biological activities of hydrazide derivatives in the new millennium, **ActaPharmaceuticaScientia**, 52, 169-180.
  47. **Kumar P**, Narasimhan B, Sharma D, Judge V, Narang R. (2009)Hansch analysis of substituted benzoic acid benzylidene/furan-2-yl-methylene hydrazides as antimicrobial agents, **European Journal of Medicinal Chemistry**, 44(5), 1853-1863[*IF* = 5.57].
  48. Sharma D, Narasimhan B, **Kumar P**, Narang R, Judge V, Clerq E D, Balzarini J. (2009)Synthesis, antimicrobial and antiviral evaluation of substituted imidazole derivatives, **European Journal of Medicinal Chemistry**, 44(6), 2347-2353[*IF* = 5.57].
  49. Sharma D, Narasimhan B, **Kumar P**, Jalbout A. (2009)Synthesis and QSAR evaluation of 2-(substituted phenyl)-1H-benzimidazoles and [2-(substituted phenyl)-benzimidazol-1-yl]-pyridin-3-yl-methanones, **European Journal of Medicinal Chemistry**, 44(3), 1119-1127[*IF* = 5.57].
  50. Sharma D, Narasimhan B, **Kumar P**, Narang R, Judge V, Clerq ED, Balzarini J. (2009)Synthesis, antimicrobial and antiviral activity of substituted benzimidazoles, **Journal of Enzyme Inhibition and Medicinal Chemistry**, 24(5), 1161-1168 [*IF* = 4.67].
  51. **Kumar P**, Narasimhan B, Sharma D, Synthesis, antimicrobial evaluation and QSAR analysis of substituted benzoic acid benzylidene/furan-2-yl-methylene hydrazides, **ARKIVOC**,xiii, 159-178 [*IF* = 1.00].

### Ongoing research projects

S. No.	Title	Funding agency	Cost (Rs.)
1	Synthesis of novel quinoline derivatives as anti-methicillin resistant <i>Staphylococcus aureus</i> (MRSA) agents	Central University of Punjab	3.00 Lakhs
2	Synthesis of pyridine based anti-Methicillin resistant <i>Staphylococcus aureus</i> agents	UGC	10.00 Lakhs

**RESEARCH GUIDANCE (M. PHARM. DISSERTATION SUPERVISED)**

S. No.	Name of student	Title of thesis	Session
1	Vishal Dubey	Formulation and evaluation of oral dissolving films of lisinopril	2012-13
2	Praveen Chauhan	Development and evaluation of oral fast dissolving tablets of lornoxicam using superdisintegrants – A comparative study	
3	Rishabh Bhatia	Design, synthesis and <i>in silico</i> investigation of heterocyclic derivatives as putative anti-cancer agents	2016-17
4	Rohit Kumar	Synthesis and <i>in silico</i> studies of pyrazoline containing quinoline derivatives as PI3K inhibitors	
5	Arvind Kumar	Synthesis and In Silico Studies of Pyrazoline containing Naphthalene Derivatives as PI3K Inhibitors	2017-18
6	DikshaChoudhary	Synthesis and <i>in silico</i> studies of pyrazoline containing quinoline derivatives as anti-HIV agents	
7	Sonia Verma	Synthesis and <i>in silico</i> studies of quinazolinone derivatives as PARP-1 inhibitors	
8	Sahil Arora	Synthesis and <i>in vitro</i> biochemical screening of arylidene derivatives of 1,3 cyclohexanedione as Xanthine oxidase inhibitors	
9	Nivedita Bhardwaj	Synthesis and <i>in silico</i> studies of quinoline bridged pyrimidine derivatives as non-nucleoside reverse transcriptase inhibitors	
10	Akashdeep Singh Pathania	Synthesis and <i>in silico</i> studies of thiazolidinone derivatives as PBP2a inhibitors	2018-19
11	ManeeshGularia	Design and synthesis of quinazolinone derivatives as PARP-1 inhibitors	
12	Ankit kumar Singh	Design, synthesis and <i>in silico</i> studies of diaryl pyrimidine derivatives as HIV-1 nonnucleoside reverse transcriptase inhibitors	
13	Udita Malik	Design, synthesis and in silico studies of isoxazole derivatives as HIV-1 non-nucleoside reverse transcriptase inhibitors	2019-20
14	Agnidipta Das	Design, synthesis and <i>in silico</i> studies of PARP-1 inhibitors as anti-triple negative breast cancer agents	
15	PriyaKaundal	Extraction and isolation of phytoconstituents from dried leaves of <i>Cymbopogoncitratatus</i> and their <i>in vitro</i> anti-HIV evaluation	

### RESEARCH GUIDANCE (M. SC. PROJECT WORK SUPERVISED)

S. No.	Name of student	Title of thesis	Session
1	Mir Sahidul Ali	Synthesis and <i>in silico</i> studies of quinoline derivatives against PBP2a	2016-17
2	Prateek Singh Bora	Hansch analysis for the antifungal activity of indole derivatives	
3	Mridul	Hansch analysis for the anti-bacterial activity of indole derivatives	
4	Pooja Kumari	Design and <i>in silico</i> studies of CCR5 receptor antagonists as anti-HIV agents	2017-18
5	Uttam Kumar Mishra	Design and <i>in silico</i> studies of azole derivatives as <i>Mycobacterium tuberculosis</i> CYP51 inhibitors	
6	Kanika Garg	Design and synthesis of pyridine derivatives as pbp2a inhibitors	
7	Aratrika Halder	Design and <i>in silico</i> studies of DNA gyrase inhibitors	2018-19
8	Ann Kurian	Design and <i>in silico</i> studies of dihydrofolate reductase (DHFR) inhibitors as antibacterial agents	
9	Sanni Dev	<i>In silico</i> studies of HIV Protease Inhibitors as anti-HIV agents	
10	Ashrulochan Sahoo	Design and <i>in silico</i> studies of pyrimidine derivatives as HIV Reverse Transcriptase inhibitors	2019-20
11	Priya Jindal	Design and <i>in silico</i> studies of purine derivatives as HIV Reverse Transcriptase inhibitors	
12	Rahul Kumar Chauhan	Quinazoline derivative as PI3K inhibitors	

### BOOK CHAPTERS PUBLISHED

S. No.	Publication Details	ISBN No.
1	Sapra A, Kakkar S, <b>Kumar P</b> , Narasimhan B, "An overview of anticancer potential of pyrimidine derivatives" in: Narasimhan B. (Ed), Biological profile of 5/6-membered heterocycles in the new millennium, Lambert Academic Publishing, Germany, 2013, p. no. 1-26.	978-3-659-33078-0
2	Richa, <b>Kumar P</b> , Narasimhan B, "An overview of biological activities of thiazole derivatives" in: Narasimhan B. (Ed), Biological profile of 5/6-membered heterocycles in the new millennium, Lambert Academic Publishing, Germany, 2013, p. no. 27-58.	
3	Meeta, Kumar P, Narasimhan B, "An overview of biological activities of pyrazole derivatives" in: Narasimhan B. (Ed), Biological profile of 5/6-membered heterocycles in the new millennium, Lambert Academic Publishing, Germany, 2013, p. no. 59-94.	
4	Tahlan S, <b>Kumar P</b> , Narasimhan B, "An overview of biological activities of 1,2,4-triazole derivatives" in: Narasimhan B. (Ed), Biological profile of 5/6-membered heterocycles in the new millennium, Lambert Academic Publishing, Germany, 2013, p. no. 95-128.	





5	Punia P, Khatkar A, <b>Kumar P</b> , Narasimhan B, “An overview of biological activities of antipyrine derivatives” in: Narasimhan B. (Ed), Biological profile of 5/6-membered heterocycles in the new millennium, Lambert Academic Publishing, Germany, 2013, p. no. 129-156.	
6	Kumar S, <b>Kumar P</b> , Marwaha RK, Narasimhan B, “A comprehensive review on biological activities of gallic acid derivatives” in: Narasimhan B. (Ed), Medicinal chemistry of heterocyclic/natural compounds, Lambert Academic Publishing, Germany, 2013, p. no. 88-103.	978-3-659-37949-9
7	Saini M, <b>Kumar P</b> , Kumar M, Narasimhan B, “A comprehensive review on biological activities of thiophene derivatives” in: Narasimhan B. (Ed), Medicinal chemistry of heterocyclic/natural compounds, Lambert Academic Publishing, Germany, 2013, p. no. 104-139.	
8	Saini T, <b>Kumar P</b> , Narasimhan B, “Biological activities of pyrazole derivatives in the new millennium” in: Narasimhan B. (Ed), 21 <sup>st</sup> Century: The era of heterocyclic compounds in medicinal Chemistry, Lambert Academic Publishing, Germany, 2014, p. no. 1-33.	978-3-659-57284-5
9	Bharti K, <b>Kumar P</b> , Kakkar S, Narasimhan B, “Biological activities of phenothiazine derivatives in the new millennium” Narasimhan B. (Ed), 21 <sup>st</sup> Century: The era of heterocyclic compounds in medicinal Chemistry, Lambert Academic Publishing, Germany, 2014, p. no. 34-64.	
10	Rani A, Kumar M, Kumar S, <b>Kumar P</b> , Narasimhan B, “Biological activities of isoxazole derivatives in the new millennium” Narasimhan B. (Ed), 21 <sup>st</sup> Century: The era of heterocyclic compounds in medicinal Chemistry, Lambert Academic Publishing, Germany, 2014, p. no. 65-96.	
11	Chugh M, <b>Kumar P</b> , Kumar M, Narasimhan B, “Biological activities of benzodiazepine derivatives in the new millennium” Narasimhan B. (Ed), 21 <sup>st</sup> Century: The era of heterocyclic compounds in medicinal Chemistry, Lambert Academic Publishing, Germany, 2014, p. no. 97-120.	
12	Ritika, Marwaha RK, Kumar S, <b>Kumar P</b> , Narasimhan B, “Biological activities of indole derivatives in the new millennium” Narasimhan B. (Ed), 21 <sup>st</sup> Century: The era of heterocyclic compounds in medicinal Chemistry, Lambert Academic Publishing, Germany, 2014, p. no. 121-140.	
13	Sharma D, <b>Kumar P</b> , Narasimhan B, “Biological activities of quinoline derivatives in the new millennium” Narasimhan B. (Ed), 21 <sup>st</sup> Century: The era of heterocyclic compounds in medicinal Chemistry, Lambert Academic Publishing, Germany, 2014, p. no. 141-175.	

### Workshops/Conferences organized

- Organized a three day workshop on “*Drug Design, Molecular Docking, Virtual Screening and Pharmacoinformatics*” 26<sup>th</sup>-28<sup>th</sup> November, 2015 at Central University of Punjab, Bathinda
- Organized a three day advanced workshop on “*Molecular Docking, virtual screening and computational biology*” 15<sup>th</sup>-17<sup>th</sup> November, 2017 at Central University of Punjab, Bathinda
- Workshop and Hands-on Training on “High-Performance Thin Layer Chromatography (HPTLC)” December 5-6, 2019 at Central University of Punjab, Bathinda
- Two days workshop on “Advanced Computer-Aided Drug Design and Computational Biology” December 18-19, 2019 at Central University of Punjab, Bathinda

### **Conference Presentations (Last 5 Years)**

1. **Pradeep Kumar**, Mridul, BalasubramanianNarasimhan, Hansch analysis for the antibacterial activity of indole derivatives, 69<sup>th</sup> Indian Pharmaceutical Congress held at Chitkara University, Banur on December 22-24, 2017 (Poster No:B-69).
2. **Pradeep Kumar**, Doping in sports, Regional Seminar on “Socio-Legal and other Challenges for the Prevention of Drug Abuse in India: Existing Approaches and Agenda of Reform”, Held at Central University of Punjab, Bathinda on August 24-25, 2017.
3. **Pradeep Kumar**, BalasubramanianNarasimhan, Triple-negative Breast Cancer, 2<sup>nd</sup> Annual Conference of Association of Pharmaceutical Teachers of India (APTI) - Haryana State Branch, held on 24<sup>th</sup> and 25<sup>th</sup> October, 2015 at Department of Pharmaceutical Sciences, MaharshiDayanand University Rohtak, Haryana (Abstrat no. APTI-MDU/102)

### **Conferences/training programs/ workshopsattended (Last 5 Years)**

1. PMMMNMTT (MHRD sponsored)Two Weeks Faculty Development Programme on "MANAGING ONLINE CLASSES and CO-CREATING MOOCS"organized by Ramanujan College, New Delhi from April 20 - May 06, 2020.
2. AICTE Training And Learning (ATAL) Academy FDP on "Artificial Intelligence" from 09-12-2019 to 13-12-2019 at Central University of Punjab.
3. PMMMNMTT (MHRD sponsored) National workshop on Curriculum Design and Development, organized by School of Education, Central University of Punjab from 28-01-2019 to 06-02-19.
4. 2 Days Training Programme for Nominees of CPCSEA to be held at Ganga Auditorium, Indira ParyavaranBhawan, New Delhi on 18th and 19th September, 2018.
5. PCI sponsored Continuing Education program organized by MRSPTU Bathinda on September 27-29, 2018.
6. One day workshop on “Prime Minister’s Fellowship for Doctoral Research” held at at Central University of Punjab, Bathinda on May 3rd, 2017.
7. Acquaintance Program of Inter University Accelerator Centre, New Delhi at Central University of Punjab, Bathinda organized on 4<sup>th</sup> April, 2016.
8. 3<sup>rd</sup> Annual Conference of APTI-Haryana State Branch, Organized by Jan Nayak Ch. Devi Lal College of Pharmacy, Sirsa, Haryana, Held on November 11-12, 2016.
9. UGC sponsored Orientation Program organized by HRDC, GJUS&T, Hisar, Haryana from May 12, 2016 to June 8, 2106.

**Dr. Pradeep Kumar**