

CURRICULUM – VITAE



Prof. (Dr.) Praveen Kumar

M. Pharm., Ph.D.

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Educational Qualification:

- **Ph.D (Pharmaceutical Sciences):** Jaipur National University, Jaipur in May 2011.
- **M. Pharm. (Pharmaceutical Chemistry):** Guru Jambheshwar University, Hisar, Haryana in 2004.
- **B. Pharm.:** Birla Constt. College, H.N.B Garhwal University (Main Campus), Uttaranchal in 2000.

Details of Professional Experience:

Presently working as **Professor & Dean** at Moradabad Educational Trust, Group of Institutions, Faculty of Pharmacy at Moradabad, U.P. since 14th June 2013.

- Total Experience : 11 yrs. plus
- Teaching Experience : 09 yrs. plus
- Industrial Experience : 02 yrs. plus

Details of Employment:

- Worked as **Professor & Dean** at S. D. College of Pharmacy and Vocational Studies, Muzaffar Nagar, U.P. (1st July 2011-13th July 2013)
- Worked as **Associate Professor** (from 1st July 2009 - 30th June 2011), as **Assistant Professor** (from 1st July 2007 to 30th June 2009) and **Sr. Lecturer** (from 8th Oct. 2006 to 30th June 2007) at S. D. College of Pharmacy and Vocational Studies, Muzaffar Nagar, U.P.
- Worked as **Sr. Lecturer** in Pharmaceutical Chemistry at Dr. K. N. Modi Institute of Pharmaceutical Education & Research, Modinagar, U.P. (from 9th May 2005 to 7th Oct. 2006)

- Worked as **Lecturer** in Pharmaceutical Chemistry at S. D. College of Pharmacy and Vocational Studies, Muzaffar Nagar (U.P) (from 1st June 2004 to 8th May 2005).
- Worked as **Production Supervisor** in S. Laboratories Pvt. Ltd., Muzaffarnagar, U.P, India. (from 1st June 2000 to 31st July 2002).

Research Activities:

My research focuses is drug development of novel anticonvulsant and antitubercular agents. I am also preparing new analogues in an effort to develop more potent derivatives with improved pharmacokinetic properties. Work is also been done to investigate the possible mechanism(s) of action of these compounds. The research efforts combine synthetic medicinal chemistry with computational study.

Collaborative research with:

- National Institute of Neurological Disorders and Strokes (NINDS), Bethesda, Maryland USA.
- National Institute of Allergy and infectious diseases (NIAID), Bethesda, Maryland, USA.
- German Cancer Research Centre, Heidelberg, Germany.
- Indian Veterinary Research Institute (IVRI), Izatnagar, Uttar Pradesh, INDIA.
- Ranbaxy Research Laboratories, Gurgaon, INDIA.
- Central Drug Research Institute, Lucknow, INDIA.
- IIT, Delhi, INDIA.

Professional Affiliations:

- Life time member of APTI (UP/LM-135)
- Registered Pharmacist under Delhi State Pharmacy Council.
- Life time member of The Pharma Innovation, New Delhi.
- Life time member of National Professionals and Academician Academy (NPAA), Bangalore.

Publications: 40

Gross impact factor of publications: 18 plus

- Papers published as a chapter in book: 01(International publication)
- International Publications: 25
- National Publications: 15

Editorial positions:

- Editorial board member in *American Journal of Pharmacological Sciences*, Science and education publisher, USA.
- Editorial board member in *Open Journal of Medicinal Chemistry*, Scientific Research Publishing Inc., USA.

- Editorial board member in *International Journal of Therapeutic Applications*, NPAA publishers, Bangalore.
- Associate editor in *The Pharma Innovation Journal*, AkiNik publications, New Delhi.
- Advisory editorial member in *Research & Reviews: Journal of Pharmacy and Pharmaceutical Sciences*, Karnataka, India.
- Editorial board member for pharmaceutical chemistry section in *International Journal of Chemtech Applications*.
- Advisory editorial board member in *Scholar Academic Journal of Pharmacy*, Scholars academic and scientific publishers, India.

Reviewer :

- European Journal of Medicinal Chemistry, Elsevier publications.
- Bioorganic Medicinal Chemistry Letters, Elsevier publications.
- Journal of Enzyme Inhibition and Medicinal Chemistry, Informa healthcare publications, UK.
- Medicinal Chemistry Research, Springer publications, France.
- Bulletins of the Pharmaceutical Society of Japan, Japan
- American Journal of Pharmacological Sciences, Science and education publisher, USA.
- Asian Journal of Chemistry, Sahibabad, Ghaziabad, India.
- International Journal of Biochemistry Research & Review, Science Domain International, UK.
- Advances in Pharmacology & Toxicology, Jalgaon, India.
- International Journal of Pharmacology & Biological Sciences, Jalgaon, India.

Approved Ph.D thesis Evaluator :

- Banasthali Vidyapith University, Jaipur, Rajasthan, India.
- Shri Venkateshwarya University, J. P. Nagar, U.P., India.
- Integral University, Lucknow, U.P., India.

Approved Ph.D Supervisor:

- IFTM University, Moradabad, U.P., India.
- NIMS University, Jaipur, Rajasthan, India.
- Shri Venkateshwarya University, J. P. Nagar, U.P., India.
- Shri Jagdishprasad Jhabarmal Tibrewala University, Rajasthan, India.

Conference / Workshop conducted:

- Acted as **Convener and Organizing Secretary** of a national level workshop on “Role of intellectual property rights in biotechnology and pharmaceutical industries” jointly organized by S. D. College of Pharmacy & Vocational Studies, Muzaffarnagar and IPTA, Delhi.

Personal Details :

- **Date of birth** : August 11th 1978
- **Sex** : Male
- **Marital status** : Married
- **Language Known** : English, Hindi.

LIST OF PUBLICATIONS**Gross impact factor of publications: 18.005****2013:**

1. Augmentation of GABAergic neurotransmission by novel N-(substituted)-2-[4-(substituted)benzylidene]hydrazinecarbothioamides - A potential anticonvulsant approach, *European Journal of Medicinal Chemistry*, *In press*, <http://dx.doi.org/10.1016/j.ejmech.2013.04.019> (**Impact Factor = 3.356**).
2. A Study on Solubility Enhancement Methods for Poorly Water Soluble Drugs, *American Journal of Pharmacological Sciences*, 2013, Vol. 1, No. 4, 67-73, Available online at <http://pubs.sciepub.com/ajps/1/4/5>, Science and Education Publishing, DOI:10.12691/ajps-1-4-5.
3. Development and Validation of Newer High Performance Thin Layer Chromatographic Method for Quantification of Eflornithine Hydrochloride in Pharmaceutical Formulations, *American Journal of Pharmacological Sciences*, 2013, Vol. 1, No. 4, 47-52, Available online at <http://pubs.sciepub.com/ajps/1/4/1> Science and Education Publishing, DOI:10.12691/ajps-1-4-1.
4. Development and Characterization of Muco-Adhesive Microcapsules Containing Hypoglycemic Drug, *Asian Journal of Biomedical & Pharmaceutical Sciences*, 16th Issue (Jan - Feb, 2013).
5. Solvent Evaporation Method for Amorphous Solid Dispersions: Predictive Tools for Improve the Dissolution Rate of Pioglitazone Hydrochloride, *International*

Journal of Pharmaceutical, Chemical and Biological Sciences, Volume 3, Issue 2, Apr – Jun 2013.

6. Orifice Ionic Gelation Method for Muco-Adhesive Microcapsules: Predictive Tools for Achieving the Sustained Action of Pioglitazone Hydrochloride, *Recent Advances in Pharmaceutical Science Research*, 2013, Vol. 2, Issue 1, 67-77.
7. A comparative evaluation of wound healing activity of various parts of *Clerodendrum infortunatum* Linn. *Asian Journal of Chemistry*; Vol. 25, No. 8 (2013), 4574-4576 (**Impact Factor = 0.268**)
8. Designing of novel 6(H)-1,3,4-thiadiazine derivatives as MMP12 inhibitors : A MLR and docking approach. *American Journal of Pharmacological Sciences* 2013, Vol. 1, No. 2, 29-34. DOI: 10.12691/ajps-1-2-3,
9. Wound healing activity of ethanolic extract of *Bryophyllum calycinum* Salisb. *Asian Journal of Chemistry*, Vol. 25, No. 9 (2013), 4991 - 4993 (**Impact Factor = 0.268**)
10. Anticonvulsant potential of ethanolic extract of *Vetiveria zizanioides* (Linn.). *Asian Journal of Chemistry*, Vol. 25, No. 9 (2013), 5111 - 5112 (**Impact Factor = 0.268**).
11. *In vitro* anthelmintic activity of aerial parts of *Vetiveria zizanioides* Linn Nash. *Asian Journal of Chemistry*; Vol. 25, No. 8 (2013), 4707-4708. (**Impact Factor = 0.268**)
12. *In vitro* anthelmintic activity of seeds of *Cicer arietinum* Linn. *Asian Journal of Chemistry* Vol. 25, No. 9 (2013), 5109 - 5110 (**Impact Factor = 0.268**)
13. A new spectrophotometric method for the determination of eflornithine hydrochloride in parenteral formulation, *American Journal of Pharmacological Sciences*, 2013, Vol. 1, No. 3, 38-41, DOI:10.12691/ajps-1-3-2.
14. Determination and validation of eflornithine hydrochloride by reversed phase high performance liquid chromatography, *American Journal of Pharmacological Sciences* , *In-press*, Science and Education Publishing.

2012:

15. Design, synthesis and anticonvulsant evaluation of novel *N*-(4-substituted phenyl)-2-[4-(substituted) benzylidene]-hydrazinecarbothio amides. *European Journal of Medicinal Chemistry* 2012, 47, 153 -166. (**Impact Factor = 3.356**)
16. A new class of anticonvulsants possessing 6 Hz psychomotor seizure test activity: 2-(1*H*-Benzotriazol-1-yl)-*N'*-[substituted] acetohydrazides. *Medicinal Chemistry*, Bentham Science Publishers 2012, 8. (**Impact Factor = 1.603**).
17. Virtual Screening Tool Based Designing and Evaluation of Novel Sulfonamide Derivatives as Anticonvulsant Agent – A Pharmacophoric Approach, *International Journal of Pharmaceutical and Phytopharmacological Research* 2012, 2(3): 202-208.

2011:

18. Design, synthesis and potential 6 Hz psychomotor seizure test activity of some novel 2-(substituted)-3-[[substituted]amino]quinazolin-4(3*H*)-one. *European Journal of Medicinal Chemistry* 2011, Vol. 1. 1106-1118. (**Impact Factor = 3.356**)
19. Design, synthesis and anticonvulsant evaluation of some novel 1, 3 benzothiazol-2-yl hydrazones/acetohydrazones. *Medicinal Chemistry Research*, Springer Publishers 2011, DOI: 10.1007/s00044-011-9768-0. (**Impact Factor = 1.058**)
20. Molecular Docking Softwares: An Overview. *The Pharma Review* 2011, 69-74

2010:

21. Anticonvulsant and neurotoxicity evaluation of some novel 2-(1*H*-Benzotriazol-1-yl)-*N'*-[substituted] acetohydrazide. *Asian Journal of Chemistry* 2010, Vol. 22 (10), 7771-7777. (**Impact Factor = 0.268**)
22. Anticonvulsant and neurotoxicity evaluation of some novel 3-[[substituted]-amino]-2-phenyl 3*H*-quinazolin-4-one. *International Journal of Pharmacology and Biological Sciences* 2010, Vol.4 (3), 55-61.
23. Synthesis and anticonvulsant activity of some novel 3-[[substituted]-amino]-2-phenyl-3*H*-quinazolin-4-one. *Advances in Pharmacology and Toxicology* 2010, Vol.11 (3), 77-83.

2009:

24. A Review on Extraction, Synthesis and Anticancer Activity of Betulinic Acid. *Current Bioactive Compounds* 2009, Vol. 5, No. 2, 160-168.
25. Role of chelates in magnetic resonance imaging studies of cancer. *Journal of cancer research and therapeutics* 2009, Vol. 5, No. 3, 148-153.
26. In-vitro antimalarial evaluation of hydroethanolic extract of stem bark of *Syzygium cumini*. *Int. J. of Pure & Applied Chemistry* 2009, 4(4), 257-259.

2008:

27. Role of chelates in magnetic resonance imaging studies. *International symposium on metal ions in biology*, France. 2008.
28. Herbal standardization techniques. *Planta Indica* 2008; 4(2): 12-15.
29. A Review of Phytoconstituents and biological activities of *Cinnamomum zeylanicum*. *Planta Indica* 2008; 4(2): 41-46.

2007:

30. Synthesis and analgesic activity of some new phenyl sulfonyl derivatives. *Asian Journal of Chemistry* 2007; 19(4): 2818-22. (Impact Factor = 0.268)
31. Synthesis and analgesic activity of some new benzoyl derivatives. *Asian Journal of Chemistry* 2007; 19(4), 2891-95. (Impact Factor = 0.268)
32. Pharmacognostic and phytochemical evaluation of leaves of *Tamarindus indica*. *Planta Indica* 2007; 3 (3): 21-3.
33. Role of chelates in treatment of Cancer. *Indian Journal of Cancer* 2007; 44(2), 62-71.
34. Outsourcing Clinical Trials: Advantage India. *The Pharma Review* 2007; 6 (31), 65-70.
35. Combretastatin A-4 Analogs as Anticancer Agents. *Mini-Reviews in Medicinal Chemistry* 2007; 7(12): 1186-1205. (Impact Factor = 3.132)
36. Natural Therapy of Migraine. *Current Pharma Research Journal* 1(05): 01-05.

2006:

37. Synthesis and analgesic activity of 7-Isopropyl 4-methyl 1-(substituted phenyl sulfonyl). *Indian Journal of Heterocyclic chemistry* 2006; 16, 193- 194.

38. Formulation and evaluation of topical bases of aceclofenac. *The Indian Pharmacist* 2006; V (45), 73-75.
39. Post GATT era of pharmaceutical R & D in India. *Pharma Review* 2006; V (45), 53-60.
40. Panacea for many diseases- *Syzygium cumini*. *Indian Pharmacist* 2006; V (49): 09-13.

Papers published as a chapter in a book

1. Role of chelates in magnetic resonance imaging studies in P. Collery, I. Maynard, T. Theophanides, L. Khassanova, T. Collery "Metal Ions in Biology and Medicine" Vol. 10 Eds, John Libbey Eurotext, Paris, 2008, pp 425-430.

Conferences/ Poster Presented

- Acted as **Convener and Organizing Secretary** of a national level workshop on "Role of intellectual property rights in biotechnology and pharmaceutical industries" jointly organized by S. D. College of Pharmacy & Vocational Studies, Muzaffarnagar and IIPATA, Delhi.
- The following two poster have been presented in Second international symposium on Green/ Sustainable chemistry (10-13 January, 2006) at Delhi University, Delhi:
 - Design, microwave induced synthesis and in-vitro antioxidant activity of chalcone and 1,3,5-trisubstituted 2-pyrazolines.*
 - Preparation and evaluation of metronidazole microencapsules.*
- The following three poster have been presented in National symposium on challenges in drug discovery research: Networking opportunities between academia & industries (April 7-8, 2006) at BITS, Pilani :
 - Synthesis, characterization and biological evaluation of some new terpene derivatives.*
 - Synthesis of some substituted menthone semicarbazone and thiosemicarbazones.*
 - Synthesis and biological activity of some combrestatin analogues.*
- ***The following poster has been presented in XI Annual Conference of Society of***

Pharmacovigilance International Symposium on Pharmacotherapeutics and
Biomedical Approaches in Health and Diseases Nov. 23-25, 2012 at NIMS
University, Jaipur.

-Prediction of some novel transpeptidase inhibitors-QSAR and docking approach