

CURRICULUM VITAE



Dr. A. ASHOK KUMAR, M.Pharm., Ph.D. (BITS, PILANI), Post Doc (ASTRA ZENECA)

ashok576@gmail.com; Mobile no.: +91-9010431129.

Educational Qualifications:

Degree	Board / University	Year	Percentage/ *CGPA
Post Doc	Astra Zeneca Pharma (India) Pvt Ltd, Bangalore	2010	Certificate
Ph.D. (FULL TIME)	(BITS)Birla Institute of Technology and Science, Pilani, Rajasthan	2008	Awarded
M.Pharmacy	(BITS)Birla Institute of Technology and Science, Pilani, Rajasthan	2000	*9.2 / 10
B.Pharmacy	(BITS)Birla Institute of Technology and Science, Pilani, Rajasthan	1999	*7.71 / 10
10 + 2	Intermediate Public Examination (IPE), Andhra Pradesh.	1995	92.1 %
10th Standard	Central Board of Education (CBSE), Andhra Pradesh.	1993	77 %

***CGPA = Cumulative Grade Point Average on a 10 point scale.**

Industrial and Research Institute Experiences (Total = 9 years):

Organization	Duration	Designation	Job Responsibilities
ORCHID RESEARCH LABORATORIES, CHENNAI, TAMILNADU.	October 20 th , 2010 – February 4 th , 2012	Research Scientist	<ul style="list-style-type: none"> • Analysis of various organic compounds regarding PURITY, ASSAY, STABILITY and Structural characterizations of organic compounds using various Spectroscopic and Chromatographic techniques such as 1D-NMR, 2D-NMR, IR, MASS, LCMS, GCMS, HPLC and UV along with designing and synthesis of New chemical entities. • Supervision of 3 M.Sc. (Organic chemistry) chemists who have 3-5 years experience.
ASTRA ZENECA PHARMA (INDIA) LIMITED, BANGALORE, KARNATAKA.	April 9 th 2009 – October 10 th 2010	Post Doctoral Fellow	<ul style="list-style-type: none"> • Analysis of various organic compounds regarding PURITY, ASSAY, STABILITY and Structural characterizations of organic compounds using various Spectroscopic and Chromatographic techniques such as 1D-NMR, 2D-NMR, IR, MASS, LCMS, GCMS, HPLC, and UV along with designing and synthesis of New chemical entities.

Organization	Duration	Designation	Job Responsibilities
WOCKHARDT RESEARCH CENTRE, AURANGABAD, MAHARASHTRA.	March 2008 – March 2009	Research Scientist	<ul style="list-style-type: none"> Analysis of various organic compounds regarding PURITY, ASSAY, STABILITY and Structural characterizations of organic compounds using various Spectroscopic and Chromatographic techniques such as 1D-NMR, 2D-NMR, IR, MASS, LCMS, GCMS, HPLC, and UV along with designing and synthesis of New chemical entities.
CADILA PHARMACEUTICALS LIMITED, DHOLKA, AHMEDABAD, GUJARAT.	Aug. 2000 – Jan. 2003	Research Executive	<ul style="list-style-type: none"> Analysis of various organic compounds regarding PURITY, ASSAY, STABILITY and Structural characterizations of organic compounds using various Spectroscopic and Chromatographic techniques such as 1D-NMR, 2D-NMR, IR, MASS, LCMS, GCMS, HPLC, and UV along with synthesis of Active Pharmaceutical ingredient's and Intermediates.
(CDRI) CENTRAL DRUG RESEARCH INSTITUTE, LUCKNOW, UTTAR PRADESH.	Aug.1998 - Dec.1998	Trainee	<ul style="list-style-type: none"> Structural interpretation of molecules synthesized at CDRI Medicinal Chemistry Laboratory employing One and Two Dimensional NMR spectras such as ¹H-NMR, ¹³C-NMR, DEPT 90°, DEPT 45°, DEPT 135°, COSY, TOCSY, HMQC and HMBC spectras.

<p>VIJAYA COLLEGE OF PHARMACY, HYDERABAD</p>	<p>Since March 2012 till date</p>	<p>Professor and Head of department for M.PHARMACY ANALYSIS AND QUALITY ASSURANCE</p>	<ul style="list-style-type: none"> • Handling of various projects regarding ASSAY AND STABILITY INDICATING ASSAY ANALYTICAL METHOD DEVELOPMENT AND VALIDATION USING RP-HPLC and UV/Visible spectrophotometer. • Published 30 Research publications till date in last 3 years with M.PHARMACY students regarding Single and Simultaneous quantitative estimations of API's in BULK and in various pharmaceutical dosage forms by RP-HPLC and UV. • Guiding M.Pharmacy students for their PROJECT WORK. • Teaching in M.Pharmacy subjects: theory and practicals. • Managing the entire department of Pharmaceutical Analysis possessing a minimum of 100 students. • Placed around 100 students in reputed pharma companies as a Placement officer of the college responsible for CAMPUS Placement activities for M.Pharmacy and B.PHARMACY students • Organized various WORKSHOPS AND SEMINARS AND CONFERENCES.
---	---------------------------------------	--	--

AREA OF INTEREST & TECHNICAL EXPERTISE:

ANALYTICAL R&D department, viz.: Method development, Method validation, Stability department

1. Projects related to Analytical method development and validation using RP-HPLC and UV/Visible Spectrophotometer concerning Single and Simultaneous quantification of API's in Bulk and in various pharmaceutical dosage forms
2. Analytical method development and validation using RP-HPLC regarding simultaneous estimation of API's with impurities/ Related substances.
3. STABILITY INDICATING Assay method development and validation by RP-HPLC.
4. DISSOLUTION STUDIES METHOD DEVELOPMENT and VALIDATION.
5. Structural interpretation of various API's, medicinal compounds and organic compounds using various Spectroscopic techniques such as ¹H-NMR, ¹³C-NMR, 2D-COSY, 2D-TOCSY, 2D-HMQC, 2D-HMBC, IR, MASS, ELEMENTAL ANALYSIS, LC-MS and GC-MS.
6. Medicinal chemistry and Organic chemistry related various synthetic schemes involved in the synthesis of API's and the probable IMPURITIES that could be generated in any organic reaction.
7. **Instruments Handled: Shimadzu HPLC (Labsolutions lite), Shimadzu UV-1800, Agilent LCMS, WATERS ACQUITY LCMS, SHIMADZU FT-IR and minor instruments as a part of day to day experiments.**

RESEARCH PUBLICATIONS

1. N. Lakshmi prasanna, K. Rajitha, G Vasundhara, **A. Ashok kumar**. A rapid and cost effective UV spectrophotometric method development and validation for the quantitative estimation of Indinavir sulphate in capsules. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Issue 7, 2014; 504-507.
2. B. Hemalatha rathod, S. Sandhya rani, N. Kartheek, **A. Ashok kumar**. UV spectrophotometric method development and validation for the quantitative estimation of Indinavir sulphate in capsules. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Issue 6, 2014; 598-601.
3. A. Laxmi bharghavi, M. Maheshwari, N. Kartheek, **A. Ashok kumar**. RP-HPLC method development and validation for the quantitative estimation of Acamprosate calcium in tablets. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Issue 6, 2014; 582-585.
4. T. Rajesh, A. Sowjanya kumari, S. Rakesh reddy, **A. Ashok Kumar**. UV spectrophotometric method development and validation for the quantitative estimation of Acamprosate calcium in tablets. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Issue 8, 2014; 363-366.
5. Dandu Vijay kumar, Parupugalla Swetha, Thota Chandra mohan, **A. Ashok Kumar**. A cheap method development and validation for the quantitative estimation of Acamprosate calcium in tablets using UV spectrophotometry. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Issue 8, 2014; 371-374.
6. K. Rajitha, N. Lakshmi Prasanna, G. Vasundhara, R. Naveen kumar, **A. Ashok Kumar**. UV spectrophotometric method development and validation for the simultaneous quantitative estimation of Mebeverine hydrochloride and Chlordiazepoxide in capsules. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Issue 8, 2014; 345-349.
7. K. Rajitha, N. Lakshmi prasanna, R. Naveen, C.H. Ranjith, **A. Ashok kumar**. A rapid RP-HPLC method development and validation for the quantitative estimation of Indinavir in capsules. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Issue 8, 2014; 453-456.
8. T. Chandra mohan, B. Hemalatha, B. Shainy, G. Vasundhara, S. Sandhya, **A. Ashok Kumar**. A rapid RP-HPLC method development and validation for the quantitative estimation of Solifenacin succinate in tablets. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Issue 10, 2014; 201-204.

9. N. Jeevitha, T. Rajesh, A. Sowjanya kumari, G. Sumedh, **A. Ashok kumar**. Method development and validation for the quantitative estimation of Acamprosate calcium in tablets using RP-HPLC. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Issue 10, **2014;88-91**.
10. T. Rajesh, N. Lakshmi Prasanna, **A. Ashok Kumar**. Simultaneous quantitative estimation of Mebeverine hydrochloride and Chlordiazepoxide in capsules using spectrophotometry. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Issue 10, **2014;96-100**.
11. B. Rakesh, P. Bhargavi, S. Rakesh reddy, **A. Ashok Kumar**. UV spectrophotometric method development and validation for the quantitative estimation of Solifenacin succinate in tablets. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Issue 10, **2014;190-193**.
12. A. Ramadevi, S. Srikanth, **A. Ashok Kumar**. Simultaneous quantitative estimation of Mebeverine hydrochloride and Chlordiazepoxide in capsules using RP-HPLC. **International journal of pharmacy and pharmaceutical sciences**, Volume 7, Issue 2, **2015;314-318**.
13. P. Sindhusree, T. Swetha, A. Ramadevi, **A. Ashok Kumar**. RP-HPLC method development and validation for the quantitative estimation of Balofloxacin in tablets. **International journal of pharmacy and pharmaceutical sciences**, Volume 7, Issue 2, **2015;319-322**.
14. P. Sivaprasad, S. Yaswanth kumar, **A. Ashok Kumar**. RP-HPLC Method development and validation for simultaneous quantitative estimation of Diloxanide Furoate and Ornidazole in tablets. **International journal of pharmacy and pharmaceutical sciences**, Volume 7, Issue 2, **2015;314-318**.
15. N. Kavitha, N. Kartheek, **A. Ashok Kumar**. RP-HPLC Method development and validation for simultaneous quantitative estimation of Diloxanide Furoate and Tinidazole in tablets. **International journal of pharmacy and pharmaceutical sciences**, Volume 7, Issue 2, **2015;338-342**.
16. T. Malavika, N. Kartheek, **A. Ashok Kumar**. Method development and validation for quantitative estimation of Indinavir in capsules. **International journal of pharmacy and pharmaceutical sciences**, Volume 7, Issue 2, **2015;343-346**.
17. S. Yaswanth kumar, P. Sivaprasad, **A. Ashok Kumar**. RP-HPLC Method development and validation for simultaneous quantitative estimation of Nalidixic acid And Metronidazole in tablets. **International journal of pharmacy and pharmaceutical sciences**, Volume 7, Issue 2, **2015;367-371**.
18. Dilip Kumar Pandey, Radhakrishnan Mahesh, **Akutota Ashok kumar**, V. Sambasiva

- Rao, Muralidharan Arjun, Ramamoorthy Rajkumar. "A novel 5-HT_{2A} receptor antagonist exhibits antidepressant-like effects in a battery of rodent behavioural assays: Approaching early-onset anti depressants". Pharmacology, Biochemistry and Behavior, Volume 94, 2010, 363–373.
19. Dandu Vijay kumar, Parupugalla Swetha, A. Ashok Kumar RP-HPLC method development and validation for the simultaneous quantitative estimation of Diloxanide furoate and Ornidazole in tablets. (**ACCEPTED and e-mail attached in International Journal of Pharmacy and Pharmaceutical Sciences**).
 20. Parupugalla Swetha, Dandu Vijay kumar, A. Ashok Kumar. RP-HPLC method development and validation for the simultaneous quantitative estimation of Diloxanide furoate and Tinidazole in tablets. (**ACCEPTED and e-mail attached in International Journal of Pharmacy and Pharmaceutical Sciences**).
 21. Dandu Vijay kumar, S.Srinivas, A. Ashok Kumar. RP-HPLC method development and validation for the quantitative estimation of Eplerenone in tablets. (**ACCEPTED in International Journal of Pharmacy and Pharmaceutical Sciences**).
 22. Dandu Vijay kumar, K.Balaraju, A. Ashok Kumar. RP-HPLC method development and validation for the quantitative estimation of Dabigatrn etexilate in capsules. (**ACCEPTED in International Journal of Pharmacy and Pharmaceutical Sciences**).
 23. P.Sowndarya, K.Mounika, Lakshmi prasanna, A. Ashok Kumar. A simple and a cheap UV spectrophotometric assay method development and validation of Dabigatrn etexilate in capsules. (**ACCEPTED in International Journal of Pharmacy and Pharmaceutical Sciences**).
 24. G.Bhavani, Syed Shahed Hussain, A. Ashok Kumar. A simple and a cheap UV spectrophotometric assay method development and validation of Dabigatrn etexilate in capsules. (**ACCEPTED in International Journal of Pharmacy and Pharmaceutical Sciences**).
 25. B. Rajkumar, T. Bhavya, A. Ashok kumar. Reverse phase HPLC method development and validation for the simultaneous quantitative estimation of Alpha lipoic acid and Allopurinol in tablets. **International Journal of Pharmacy and Pharmaceutical Sciences**, Volume 6, Issue 1, 2014, 307-312.
 26. J.Anil mohan, B.Rajkumar, T.Bhavya, A.Ashok kumar. RP-HPLC method development and validation for the simultaneous quantitative estimation of Pregabalin, Mecobalamin and Alpha lipoic acid in capsules. **International Journal of Pharmacy and Pharmaceutical Sciences**, Volume 6, Issue 1, 2014, 270-277.

27. B. Rajkumar, T. Bhavya, S. Kulsum, **A. Ashok kumar**. RP-HPLC method development and validation for the simultaneous quantitative estimation of Efavirenz, Lamivudine and Zidovudine in tablets. **International Journal of Pharmacy and Pharmaceutical Sciences**, Volume 6, Issue 2, 2014, 87-92.
28. N.J.R. Hesebah, D. Nihitha, **A. Ashok kumar**. Reverse phase HPLC method development and validation for the simultaneous quantitative estimation of Troxerutin and Calcium dobesilate in tablets. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Issue 1, 2014, 333-339.
29. N.J.R. Hesebah, P. Padma, **A. Ashok kumar**. Method development and validation for the simultaneous quantitative estimation of Calcium dobesilate and Troxerutin in tablets by reverse phase HPLC. **International journal of pharmacy and pharmaceutical sciences**, Volume 6, Suppl 2, 2014, 307-311.

PATENTS

1. **A Provisional Patent application** entitled “Heterocyclic derivatives as anti-tubercular compounds” was submitted for the work contributed by our research group at ASTRA ZENECA PHARMA (INDIA) PRIVATE LIMITED, Bangalore, during my tenure from **April 2009-October 2010 as a POST DOCTORAL FELLOW**.
2. **A Provisional Patent application** entitled “Oxazolidinone derivatives as broad spectrum anti-bacterial compounds” is in progress for submission for the work contributed by our research group at ORCHID RESEARCH LABORATORIES, Chennai, during my tenure **October 2010–February 2012 as a RESEARCH SCIENTIST**.

**ATTENDED; PRESENTED POSTER or ORAL PRESENTATIONS at
various IPC's; Symposiums; Conferences; Seminars; Workshops;
Exhibitions**

1. **A Poster presentation (Poster no.:C1018)** at “National Conference on Reforms and Innovations in Pharmacy Education” (RIPE)-2012, JNTU, Hyderabad on August 18-19, **2012**.
Kalyani CH, Deepika S, Radhika P, Shilpa E, Bhavana M, **Ashok kumar A.** “A Reverse Phase HPLC method development for the simultaneous estimation of Torezolid disodiumphosphate, Rifampicin, Moxifloxacin, Pyrazinamide and Isoniazid in tablets”.
2. **An Oral presentation (Poster no.:OA-5)** at Two Day National Level Seminar on“ Emerging Trends in Pharmaceutical Education, Research and Development”, MALLA REDDY GROUP OF INSTITUTIONS, Hyderabad on September 23-24, **2013**.
Varshini I, Malavika T, Hephsebah NJR, **Ashok Kumar A.** “RP-HPLC Method Development For Simultaneous Quantitative Estimation Of Calcium Dobesilate and Troxerutin In Tablets”.
3. **An Oral presentation (Poster no.:OA-6)** at Two Day National Level Seminar on“ Emerging Trends in Pharmaceutical Education, Research and Development”, MALLA REDDY GROUP OF INSTITUTIONS, Hyderabad on September 23-24, **2013**.
Karthek N, Rajkumar B, Bhavya T, **Ashok Kumar A.** “RP-HPLC Method Development For Simultaneous Quantitative Estimation Of Allopurinol and Alpha Lipoic acid In Tablets”.
4. **An Oral presentation (Poster no.:OA-7)** at Two Day National Level Seminar on“ Emerging Trends in Pharmaceutical Education, Research and Development”, MALLA REDDY GROUP OF INSTITUTIONS, Hyderabad on September 23-24, **2013**.
Anusha A, Shailashree G, Anil Mohan J, **Ashok Kumar A.** “RP-HPLC Method Development For Simultaneous Quantitative Estimation Of Pregabalin, Mecobalamine and Alpha Lipoic acid In Tablets”.
5. **An Oral presentation (Poster no.:MQA-102)** at One Day National Level Seminar On “Innovations in Pharmaceutical Research”, G.PULLA REDDY COLLEGE OF PHARMACY, Hyderabad, on December 27th, **2013**.
Varshini I, Bhavya T, **Ashok kumar A.** “RP-HPLC Method Development For Simultaneous Quantitative Estimation Of Efavirenz, Lamivudine and Zidovudine in tablets.

6. **A Poster presentation (Poster no.:GBNPA-003)** at One day Symposium on “Recent Advances in Pharmacy Education and Research”, GBN INSTITUTE OF PHARMACY, Hyderabad on October 09th, **2012**.
Radhika E, Pushpalatha V, **Ashok kumar A.** “Oxazolidinones as antibacterial Agents – An update”.
7. **A Poster presentation (Poster no.:F-129)** at 64th Indian Pharmaceutical Congress, SRM University, Chennai during December 07-09, **2012**.
Nihitha D., Keerthi P., Bhavya T., **Ashok kumar, A.** “A RP-HPLC Method development And Validation for the Simultaneous Quantitative Estimation of (ALA) with Vitamins B₆, B₉ and B₁₂ In Multivitamin capsules”.
8. **A Poster presentation (Poster no.:B-120)** at 59th Indian Pharmaceutical Congress, BHU University, Varanasi, during December 20-23, **2007**.
Ashok kumar A, Rao VS, Brust P, Vipul Jain P. “Pharmacophore based design, synthesis, and in vivo pharmacological evaluation of 6-piperazinyphenanthridines as Atypical antipsychotic agents in mice”.
9. **A Poster presentation (Poster no.:B-118)** at 59th Indian Pharmaceutical Congress, BHU University, Varanasi, during December 20-23, **2007**.
Ashok kumar A, Rao VS, Vipul Jain P. “Design and verification of a three point pharmacophoric model for the linear class of Atypical antipsychotics”.
10. **A Poster presentation (Poster no.:DS651)** at Two day National Symposium on “Challenges in Drug Discovery Research: Networking opportunities between academia and Industry”, BITS, PILANI, Rajasthan, during April 07-08, **2006**.
Ashok kumar A, Rao VS, Vipul Jain P. “A cost effective and a greener synthesis of 9-fluorenoneoxime Employing both Conventional and Microwave approaches”.
11. **Attended Second INDO-US Workshop** on “*Green Chemistry*”. Delhi University, New Delhi. (January 7-9, **2006**).
12. **Attended National Conference** on “Issues related to IPRs: Opportunity and Challenges”, BITS, PILANI, Rajasthan, during March 3rd, **2006**).
13. **Attended National Workshop on** “Patent search, Documentation, Drafting and Infringement analysis”, BITS, PILANI, Rajasthan, during March 4th, **2006**).
14. **Attended International Workshop** on “Drug Design”, BITS, PILANI, Rajasthan, during February 24-25th, **2005**).
15. **Attended 13th National Conference** on “Surfactants, Emulsions & Biocolloids with special focus on Biomimetic systems (NATCOSEB XIII-BIMS)”, BITS, PILANI, Rajasthan, during February 22-24th, **2007**).

16. **Attended National Science Day and participated in Quiz competition**, at Orchid Research and Development Centre, Chennai during February 28th, 2011).
17. **Attended and participated as a Core project member of HYGEIA 1998-Exhibition of APOGEE**,BITS, PILANI, Rajasthan, during the academic year 1997-1998.
18. **Attended and trained in Fire fighting Techniques (Both theory and Practical)**; ASTRA ZENECA Pharma(India) Private Limited, Bangalore during December 22nd, 2009.
19. **Attended One day Workshop on** “Experimental Techniques on different Pharmaceutical Instruments”, at Vijaya College of Pharmacy, Hyderabad during 15th March, 2014.
20. **Attended One day National Symposium on** Emerging Trends in Drug design, Discovery and Development, held at TRR college of Pharmacy, held on 27th March, 2015.

M.PHARMACY PROJECTS GUIDED IN THE LAST 3 YEARS:

45 students

Ph.D. STUDENTS REGISTERED:

1. Mr. Murali Krishna, Assistant Professor, Department of Analysis, Vijaya College of Pharmacy, Hyderabad. **(KRISHNA UNIVERSITY)**
2. A.Ramesh, Associate Professor, Department of Analysis, Vijaya College of Pharmacy, Hyderabad. **(MEWAR UNIVERSITY)**
3. NJR Hephsebah, Assistant professor, Department of Analysis, Vijaya College of Pharmacy, Hyderabad. **(MEWAR UNIVERSITY)**

PROFESSIONAL MEMBERSHIP:

Pharmacy Council of India (PCI); Membership no.: 88752A1.

M.Pharmacy COURSES TAUGHT AT VIJAYA COLLEGE OF PHARMACY

1. Modern Pharmaceutical Analytical Techniques (For all Specializations)
(Theory & Practicals for M.PHARMACY)
2. Analytical Method Validation (Regulatory affairs for M.PHARMACY)
3. Instrumental Methods of Pharmaceutical Analysis (Analysis for M.PHARMACY)
4. Advanced Pharmaceutical Analysis-II (Analysis for M.PHARMACY)
5. Intellectual Property Rights & Drug Regulatory affairs for M.PHARMACY)

ORGANIZED SEMINARS & WORKSHOPS:

1. One day Workshop on “Structural Interpretation of various Organic compounds by IR, NMR and MASS spectroscopic techniques”, at Vijaya College of Pharmacy, Hyderabad; Date: 23rd December, 2013.
2. One day Seminar on “New Perspectives in Pharma sector”, at Vijaya College of Pharmacy, Hyderabad; Date: 22nd March, 2014.
3. Key Organizing member in “One day Workshop on “Experimental Techniques on different Pharmaceutical Instruments”, at Vijaya College of Pharmacy, Hyderabad; Date: 15th March, 2014.
4. Key Organizing member in One day Workshop on “Concepts and Applications of Pharmacokinetics: Academic Perspective’, at Vijaya College of Pharmacy, Hyderabad; Date: 15th December, 2012.

REVIEWERS OF JOURNALS

1. Elsevier Publishers: Journal of the Association of Arab Universities for Basic and Applied Sciences (JAAUBAS)
2. International Journal of Pharmacy and Pharmaceutical sciences (IJPPS)

Date: 30th June, 2015**(A.ASHOK KUMAR)**