

B.V.Kiran

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Personal Profile

An adaptive and fast-learning doctoral graduate with a broad interest in intellectual property rights, specifically related ANDA filings, Para-IV certifications and 505(b) 2 proposals. Unique combination of expertise in Patent analytics / management and Solid State Research.

Accomplishments:

- Qualified as Patent Agent (August-2022).
- Drafting and technical review of patent application (Complete).
- Patent Analysis (Suggestive non-infringing opinion) Prior-art searches for Invalidation, preparing claim-chart mainly related to polymorphs.
- Opportunity/Product identification, product evaluation/selection, Solid form / Polymorph strategy, providing IP leverage and supporting marketing teams across geographies of interest.
- Familiar with various databases like USPTO, ESCAPENET, PATENTSCOPE.
- Patent Searching & Sorting for US & Europe market related to polymorphs.
- Daily updates on ANDA approvals, P-IV certification.
- Good level of understanding about patents and its related regulatory works.

Academic Experience

- Successfully Passed **Patent agent Exam** –August-2022.
- **Ph.D. Thesis** entitled “*Development and Validation of Reverse Phase High Pressure Liquid Chromatography Assay Methods for the estimation of Selected drugs in Pharmaceutical Formulations*” to Department of Chemistry, **GITAM University, INDIA**.
- **Master of Science** in Organic chemistry (2006, I-Class) from Andhra University, Visakhapatnam, Andhra Pradesh, India.
- **H-Index:6, i10 Index:1 Total citations: 107+**

Professional

Research Scientist

Aurobindo RC-II-Onco-ARD-lab-2, Hyderabad.

Since Feb-2020 to Present

- Physical characterization of API using PXRD, DSC, TGA, PSD Techniques
- Quantification of polymorphs in API and Solid dosage formulations.
- Interpretation of polymorphs for DMF Queries and patent filing.
- Patent Analysis (Suggestive non-infringing opinion) Prior-art searches for Invalidation, preparing claim-chart mainly related to polymorphs.
- Patent Searching & Sorting for US & Europe market related to polymorphs using USPTO, ESCAPENET, PATENTSCOPE databases.
- Providing updates on ANDA approvals, P-IV certification and 505b (2) filings.

Senior Research Associate

INTAS API R&D lab, Matoda, Sarkhej-Bavla, Ahmedabad.

Since Dec-2015 to Jan-2020

- Interpretation of polymorphs for DMF Queries and patent filing.

- Review of method development and method validation reports related to solid state analytical techniques(PXRD).
- Doing experiments such as P-NMR, C-13 NMR, DEPT-90, DEPT-135, HSQC, HMQC, HMBC using NMR 400 MHz Bruker (Top Spin) System.

Research Associate

Unimark Remedies R&D lab Kerala, Sarkhej-Bavla, Ahmedabad

Since Jan-2015 to Dec-2015

In this capacity my job responsibility includes:

- Physical characterization of API using PXRD, DSC, TGA, NMR Techniques

Scientist

Crystalline Research Ltd HCU, Gachibowli, Hyderabad.

Since Jan-2014 to Dec-2014

- Performing analysis on XRD, DSC, TGA, FTIR, Raman, and Dissolution of newly developed polymorphs.

Presentation, Communications and drafting skills

- Learnt drafting of provisional and complete patent applications.
- Learnt Documentation and Scientific presentation skills by presenting research articles in International/National conferences and symposiums.
- Co-Author in preparation of Research grants for **DST** (*Department of Science and Technology*) and **CSIR** (*Council for Scientific and Industrial Research*).
- Adept at collating and summarizing the confidential data obtained from clients.

Analytical and People management skills

- Managing the resources, Infrastructure and man power of the lab.
- My ability to analyze problem, develop suitable strategies and display independent thought has allowed be to develop suitable and better solutions at the time of requirement.

Additional Qualifications

- Successfully Passed **Patent agent Exam** –August-2022.
- Post Graduate Diploma in Chemical Analysis and Quality Management (2010, I-Class).
- Post Graduate Diploma in computer Applications (PGDCA).
- Hands on experience on latest software such Windows 8, Microsoft office suite.
- **Languages:** Telugu, Hindi, English (Fluently) and Japanese (A level).

List of Publication in Referred Journals

1. **B.V.Kiran,** Battula Sreenivasa Rao* and Som Shankar Dubey.Validation of Venlafaxacine in Pharmaceutical Dosage by Reverse Phase HPLC Method. *Journal of Pharmacy Research*, 2012, **5(5)**, 2683-2687.
2. **B.V.Kiran,** Battula Sreenivasa Rao* and Som Shankar Dubey.Validation of Lamotrigine in Pharmaceutical Dosage by Reverse Phase HPLC with Internal Standard Method. *International Journal of pharmacy and technology*, April 2012, **4(1)**, 3842, 3858.
3. **B.V.Kiran,** Battula Sreenivasa Rao* and Som Shankar Dubey.Development and validation of a reversed-phase HPLC method for the determination of Efavirenz in pharmaceutical dosage forms. *Journal of Pharmacy Research*, 2012, **5(1)**, 94-99.
4. **B.V.Kiran,** Battula Sreenivasa Rao* and Som Shankar Dubey. Validation of Quetiapine fumarate in pharmaceutical dosage forms by reverse phase HPLC with Internal standard method. *Journal of Chemistry*, Hindawi publications, Volume 2013, **ID : 578537**.
5. **B.V.Kiran,** Battula Sreenivasa Rao* and Som Shankar Dubey. Validation of Abacavir Sulphate in Pharmaceutical Dosage by Reverse Phase HPLC with Internal Standard Method. *International Journal of pharmaceutical sciences and research*, 2012, Vol. **3(8)** 2590-2598.
6. **B.V.Kiran,** Battula Sreenivasa Rao* and Som Shankar Dubey.Simultaneous determination and validation of Amalodipine and Metoprolol in Pharmaceutical Dosage forms by Reverse Phase HPLC Method, *International Journal of Pharmacy and Pharmaceutical Sciences*, **Vol 4**, Supplement 5, 2012.

7. **B.V.Kiran**, Battula Sreenivasa Rao* and Som Shankar Dubey. Kinetic-Spectrophotometric Determination of Co (II) in Vegetable Samples by Using Indigo-Carmine. *International Journal of Pharmaceutical Research*, 2012, 4(3), 64-68.
8. K. Nagendar Rao, **B.Venkata Kiran**, Battula Sreenivasa Rao* and Som Shankar Dubey. Development and Validation of a Reverse Phase HPLC method for the Determination of Metformin HCL in Pharmaceutical Dosage forms. *Asian Journal of Chemistry*, 2012, Vol 24(12), 5460-5462.
9. B.S.A Andrews*, B.Sreenivas Rao, Som Shankar Dubey and **B.Venkata Kiran**. Titrimetric Determination of Ascorbic acid and Isonicotinic Acid Hydrazide in Drug Formulations with Chloramine-T as Oxidant. *International Journal of Pharmacy and Technology*, Dec-2010, Vol 2(4), 886-889.
10. B.S.A Andrews*, B.Sreenivas Rao, Som Shankar Dubey and **B.Venkata Kiran**. O-Anisidine as Indicator in Titrimetric Determination of Ascorbic Acid and Isonicotinic Acid Hydrazide in Pharmaceutical Formulations. *International Journal of Applied Biology and Pharmaceutical Technology*. Aug-2010, Vol 1(2), Page: XXX.
11. B.S.A.Andrews, **B.Venkat Kiran**, Battula Sreenivas Rao*, Som Shankar Dubey and D. Malleswara Rao. Kinetic Spectrophotometric Determination of Trace Amounts of Vanadium (V) based on its Catalytic Effects on the Reaction of o-Anisidine and Potassium Bromate. *Asian Journal of Chemistry*, June-2011, Vol 23 (10), 4419-4424.
12. Som Shankar Dubey, Battula Sreenivasa Rao, B. S. A. Andrews and **B.Venkata Kiran**. Efficient Removal of Ce(III) and Eu (III) Ions from Aqueous Solutions by Local Clay-A Radiotracer Study. 2011, *Journal of Chemistry*, Vol 8(2), 917-923.
13. Battula Sreenivasa Rao, Som Shankar Dubey and **B.Venkata Kiran**. New Analytical Technique for the Determination of Mercury (II) by Extraction Spectrophotometric Method with Isonitroso p-Isopropyl Acetophenone Phenyl Hydrazone In Sewage Wastes and Spiked Water Samples. *International Journal of Life Sciences and Pharma Research*, 2011, Vol 1(1), 75-79.
14. Battula Sreenivasa Rao*, Som Shankar Dubey and **Kiran BV**. Determination of Molybdenum (VI) in Amaranthus and Potato by New Extractive - Spectrophotometric Method with Isonitroso p-Isopropyl Acetophenone Phenyl Hydrazone. *Research Journal of Pharmaceutical Biological and Chemical Sciences*, 2012, 3(1), 580-4.
15. Som Shankar Dubey, Battula Sreenivasa Rao and **B.V. Kiran**. Equilibrium and Thermodynamic Studies of Cesium Adsorption on Illite Clay. *Asian Journal of Research in Chemistry*. 2013, 6(2), 139-43.
16. Som Shankar Dubey*, Battula Sreenivasa Rao and **B.V.Kiran**. Equilibrium and Thermodynamic Studies of Cesium Adsorption on Bentonite Clay. *International Journal of Pharmacy and Technology*, 2013, Vol 5(1), 5204-5211.
17. K.Siva Nagaraju, B.S.Rao and **B.V.Kiran**. Development and Validation of stress degradation studies of Tenofovir Disoproxil fumarate and Emtricitabine by HPLC. *Asian Journal of Research in chemistry*. 2013. 6(10), 936-944.
18. K.Siva Nagaraju, B.S.Rao, **B.V.Kiran** and G.Srinivas Rao. Effect of Surfactant on Spectrophotometric determination of selenium with Isonitroso Isopropyl Acetophenone phenyl Hydrazone. *Journal of Applicable Chemistry*. 2012. 1(2), 232-238.

List of Conferences and Symposiums attended

1. International Conference on Global Trends in Pure & Applied Chemical Sciences (ICGTCS- 2012), 3-4th March 2012, Udaipur, Presented a Poster presentation on Validation of a ReversePhase HPLC Method for the Determination of Metformin Hcl in Pharmaceutical Dosage Forms.
2. International Conference on Environmental Toxicology and Experimental Therapeutics held at Vikram Simhapuri University. 18-19 December 2012 and presented Report.
3. National Conference on topic "Chemistry for sustainable development", held at GITAM University on 10-11 October, 2012. Presented my research paper on Drug analysis by Reverse phase HPLC technique.