
CURRICULUM VITAE

Dr. B. RAMACHANDRA
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EDUCATIONAL QUALIFICATION

- 2015 Ph.D.** Sri Venkateswara University, Tirupati, Andhra Pradesh, India.
Title: Development and Validation of New Spectrophotometric and HPLC Methods for the Analysis of Drugs.
- 2009 M.Sc** Chemistry (Analytical Chemistry) Sri Venkateswara University, Tirupati, Andhra Pradesh, India.
- 2007 B.Sc** Chemistry, Zoology, Botany, Sri Venkateswara University, Tirupati, Andhra Pradesh, India.
- 2004 Bi.Pc.** Sri Venkateswara Junior College, Tirupati, Andhra Pradesh, India.
- 2002 S.S.C** ZP high school, Bhakarapet, Chittoor District, Andhra Pradesh, India.

TEACHING EXPERIENCE

- ❖ Presently working in Annamacharya Institute of Technology And Sciences, Tirupathi. As an Assistant professor in Chemistry till date.
- ❖ As a Research Scholar, Teaching Engineering Chemistry in Sri Venkateswara University Engineering College Tirupati from 2012 to 31-05-2015.
- ❖ As a Research Scholar, Teaching M.Sc Chemistry in Department of Chemistry Sri Venkateswara University Tirupati from 2011 to 30-04-2016.

- ❖ Actively associated with PG students in the department of Chemistry, Sri Venkateswara University Tirupati from 2010 to 31-05-2016.
- ❖ Trained in taking practical and theory classes for post graduation students of Chemistry in Department of Chemistry, Sri Venkateswara University, Tirupati.
- ❖ Trained in taking practical and theory classes for distance education post graduation Students of Chemistry in Department of Chemistry, Sri Venkateswara University, Tirupati.
- ❖ Trained in taking chemistry practical and theory classes for Intermediate students.
- ❖ Strong commitment and interpersonal skills as a team member with experience.
- ❖ Coordinating research and ability to write publications.

Research with Teaching Experience: (6 -Years) in Inorganic Chemistry, Organic Chemistry and Analytical Chemistry. Intermediate, Degree, PG College & Engineering Chemistry.

AWARDS

- ❖ Awarded the junior research fellowship (**JRF**) from **UGC-BSR** (RFSM), New Delhi, Govt.of India in 2012.
- ❖ Selected for senior research fellowship (**SRF**) from **UGC-BSR** (RFSM), New Delhi, Govt.of India in 2014.

AREAS OF RESEARCH INTEREST

Inorganic Chemistry, Analytical Chemistry, Pharmaceutical analysis, Instrumentation, Adsorption Wastewater Treatment and Nano particles Synthesis, Separation Techniques, Science and Environmental Management. Analysis of Iron, Cobalt, Nickel, Copper, Potassium and Thorium by **Flame Photometer and Calorimetric** Methods. **Ore Analysis** of Soil, Cement, Dolomite and Coin. Water Analysis (COD, BOD, DO and Hardness of water).

SUMMARY OF THE RESEARCH EXPERIENCE

I am well experienced in the field of Pharmaceutical Analysis, analyzing samples from various sources to provide information on compounds or quantities of compounds present; using analytical techniques and instrumentation, such as gas , high performance liquid chromatography (*HPLC*), *UV-V& LC-MS/MS,AAS*, ion chromatography, electro chromatography and spectroscopy (infrared and ultraviolet, amongst others). Developed and validated bioanalytical and analytical methods for new chemical entities (NCEs) and its metabolites using LC-MS/MS to support drug discovery and development. Since 4 years, research and development position where my expertise in liquid chromatography-tandem mass spectrometry and other separation (Chromatographic) techniques will be utilized.

RESEARCH EXPERTISE

- ❖ Knowledge acquired in the development of new generated low cost Biosorbents for removal of organic pollutants from aqueous solutions.
- ❖ Handling of AAS; ModelAA-6300, Shimadzu, Japan, UV-Visible Spectrophotometer (Shimadzu) instruments for the purpose of metal ions and organic pollutants determination.
- ❖ Characterization of Biosorbents by the using of Scanning ElectronMicroscopy (SEM), Porosimetry (BET Analysis), X-ray diffractometry and FTIR technique.
- ❖ Performing analytical chemistry assays based on new and existing methodologies, operating analytical instrumentation such as HPLC,UV-V, GC, GC/MS, LC-MS/MS, FTIR & NMR, developing, establishing, and validating analytical testing methodology used to control raw materials, production intermediates, and final products.

ACADEMIC SKILLS

- ❖ Participated in various National and International Seminars and presented the research results.
- ❖ Actively associated with the activities of the Chemical Society, Department of Chemistry, Sri Venkateswara University, Tirupati.
- ❖ Trained in taking practical and theory classes for post graduation students of Chemistry in Department of Chemistry, Sri Venkateswara University, Tirupati.
- ❖ Strong commitment and interpersonal skills as a team-member with experience of co-ordinating research and ability to write publications.
- ❖ Potentiometry, Conductometry.
- ❖ Acquired necessary skills in the Separation and Purification of compounds.
- ❖ Well computer knowledge (MS Office) which are required for publications writing. And up-to-date Internet knowledge for finding publications.

HONORARY MEMBER OF EDITORIAL BOARD

- ❖ Editorial board member of Pelagia Research Library.
- ❖ Editorial board member of Journal of Pharmaceutical and Biological sciences.
- ❖ Member of the International Association of Engineers- IAENG membership number is: 178732.

LIST OF PUBLICATIONS

1. **Bandi Ramachandra**, P.Suguna, N.V.S. Naidu. Analysis of Doxazosin Mesylate in bulk and Pharmaceutical Formulations by UV-Visible Spectrophotometric method. *International Journal of Chemical and Analytical Science*, 3(11), 16000-1605; 2012. **Scientific Journal Impact Factor-4.214**, ISSN: 0976-1206.
2. **Bandi Ramachandra**, N.V.S.Naidu, P.Suguna and Kantipudi Rambabu. Validation of UV-Visible Spectrophotometric method for the Analysis of Methotrexate in Pharmaceutical Formulations. *International Journal of Pharmacy and Pharmaceutical Science Research*, 3(3):108-114; 2013. **Impact Factor-2.60**, ISSN: 2320-5148.
3. **Bandi Ramachandra**, N. V. S. Naidu and P. Suguna. Development and Validation of UV-Visible Spectrophotometric method for the Analysis of Methotrexate in Pharmaceutical Formulations. *Der Pharma Chemica*, 5(4):71-79; 2013. **Impact Factor-0.38**, ISSN 0975-413X.
4. **Bandi Ramachandra**, P. Suguna and N. V. S. Naidu. Analysis of Methotrexate in Pharmaceutical Formulations by UV-Visible Spectrophotometric method. *Der Pharmacia Sinica*, 4(6):1-9; 2013. **Impact Factor-0.468**, ISSN: 0976-8688 (Pelagia Research Library).
5. **Bandi Ramachandra** and N.V.S.Naidu. Validation of RP- HPLC Method for Estimation of Dasatinib in Bulk and its Pharmaceutical Formulations. *International Journal of Pharmacy and Biological Sciences*, 4(1):61-68; 2014. **Impact Factor-3.125**, ISSN: 2230-7605.
6. C. Giridhar S. Kanchi, T. Niranjan **B. Ramachandra**, N.V.S. Naidu. Trace Determination of Chromium (VI) in Industrial Effluents and Agricultural Materials by using DC Polarography. *International Journal of Analytical and Bioanalytical Chemistry*, 4(1): 7-14; 2014. **Impact Factor-xxxxx**, ISSN-2231-5012.
7. **Bandi Ramachandra** and N.V.S. Naidu “Validation of RP-HPLC Method for Estimation of Furazolidone in Bulk and Its Pharmaceutical Dosage Forms”. *American Journal of PharmTech Research*, 4 (2), 306-316; 2014. **Impact Factor-0.9832**, ISSN: 2249-3387.
8. Jampala Balaji, **Bandi Ramachandra**, N.V. S. Naidu “Analytical RP-HPLC Method for Development and Validation of Pregabalin in Bulk and the Determination of Pregabalin in Capsule Dosage Form”. *International Journal of Innovative Research in Science, Engineering and Technology*. Vol. 3, Issue 4, 11095-11098; April 2014. **Impact Factor-6.209**, ISSN: 2319-8753.
9. K. Sivarami Reddy, **B. Ramachandra**, N. V. S. Naidu. Development and Validation of HPLC

Assay Method for Determination of Mesalamine in Bulk Drug and Tablet Formulation, *International Journal of Scientific Engineering and Research*. 2 (6) 25-56, 2014, **Impact Factor-3.791**, ISSN: 2347-3878.

10. K. Sivarami Reddy, **B. Ramachandra**, N. V. S. Naidu. Validation of RP- HPLC Method for the estimation of Secnidazole in Bulk and its Pharmaceutical dosage form, *International Journal of Scientific Engineering and Research*. 5 (8) 1250-1261:2014, **Impact Factor-3.8**, ISSN 2229-5518.
11. **Bandi Ramachandra**, P. Supriya, C. Ramanjulu and N. Venkatasubba Naidu; Validated Stability-Indicating RP-HPLC Assay Method for Azathioprine in Pharmaceutical Dosage Form According To ICH Guidelines. *International Journal of Pharmacy and Pharmaceutical Sciences*; 6(10); 301-307; 2014.**Impact Factor-0.49**, ISSN- 0975-1491.
12. K.Sivarami Reddy, **B. Ramachandra**, A. Srinivasulu, D. Srinivasula Reddy and N.V.S.Naidu, Development and Validation of HPLC Method for Estimation of Lamivudine in Pharmaceutical formulations. *International Journal of Pharmaceutical Sciences Review and Research*, 29(2), Article No. 47, 271-275; 2014. **Impact Factor-2.544**, ISSN 0976 – 044X.
13. Ravi Challa, **B. Ramachandra** and N.V.S.Naidu, Development and Validation of RP-HPLC Method for the Analysis of Carboxin in its formulations, *International Journal of Scientific & Engineering Research*, Volume 5, Issue 9, 1004-1024; September2014. , **Impact Factor-3.8**, ISSN 2229-5518.
14. **B. Ramachandra**, P.Suguna, K.Sivarami Reddy & N.V.S.Naidu, Development of U V-Visible Spectrophotometric Method for Determination of Dasatinib in Pharmaceutical Formulation and Biological Samples. *International Journal of Pharma Sciences and Research*, Vol. 6 No.2, 293-303; Feb 2015. **Impact Factor-0.8**, ISSN: 0975-9492.
15. **B. Ramachandra**, N. Venkatasubba Naidu; Spectrophotometric Method for the Determination of Furazolidone in Pharmaceutical Formulations and Human Blood Samples with MBTH, *International Journal of Science and Research*, Volume 4 Issue 5,1026-1031; May 2015. **Impact Factor-4.438**, ISSN: 2319-7064.
16. K. Vinod Kumar, **B. Ramachandra**, N.V.S.Naidu, Development and Validation of the RP-HPLC Method for the Analysis of Chloropyrifos; *International Journal of Science and Research*, Volume 4 Issue 5, 1081-1085; May 2015. **Impact Factor-4.438**, ISSN: 2319-7064.
17. **B.Ramachandra**, K.Sivarami Reddy, T. Niranjana, & N.Venkatasubba Naidu,

- Spectrophotometric Method for the Determination of Dasatinib in Pharmaceutical formulations and Human Blood samples with BPB; *International Journal of Chemical Concepts*; Vol.01, No.01, pp 26-33, 2015. **Impact Factor-0.676**, ISSN: 2395-4256.
18. P.Suguna, **B.Ramachandra** and N.V.S.Naidu, Development and Validation of UVVisible Spectrophotometric Method for the Determination of Chloramphenicol in Pure and in its Dosage Form, *International Journal of Pharmaceutical and Psychopharmacological Research*, 4 (5): 271-275; 2015. **Impact Factor-0.852**, ISSN: 2249-608.
19. **B. Ramachandra**, K. Sivarami Reddy, Ch. Giridhar, K. Vinod Kumar and N.Venkatasubba Naidu, Spectrophotometric Method for The Determination of Furazolidone in Pharmaceutical Formulations and Human Blood Samples With BPB, *World Journal of Pharmacy and Pharmaceutical Sciences*, Volume 4,, Issue 06,, 1074-1086 ;2015.**SJIF Impact Factor- 6.041**, ISSN:2278 – 4357.
20. R. Swathi, **B. Ramachandra**, N.Venkatasubba Naidu & Kantipudi Rambabu, Spectrophotometric Determination of Picloram, *International Journal of Scientific & Engineering Research*, Volume 6, Issue 7, 1541-1556,July-2015. **Impact Factor: 3.8**, ISSN 2229-5518.
21. Jampala Balaji, T. Niranjana , **Bandi Ramachandra** and N.V.S.Naidu, New RP-HPLC Method for Simultaneous Estimation of Olmesartan Medoxomil and Hydrochlorothiazide in Combined Pharmaceutical Dosage Forms; *IOSR Journal of Applied Chemistry*; Volume 8, Issue 8 Ver. II PP 106-109, Aug. 2015. **Impact Factor: 1.328**, ISSN: 2278-573.
22. R. Swathi, C. Ramanjulu, **B. Ramachandra** and N. Venkatasubba Naidu, Development and validation of spectrophotometric method for the determination of picloram, *Der Pharmacia Lettre*, 7 (11):86-93, 2015. **Impact Factor: 0.19**, ISSN 0975-5071.
23. Ravi Challa, **B.Ramachandra** and N.V.S.Naidu, Development and validation of stability indicating assay method for simultaneous estimation of metronidazole and ofloxacin in pharmaceutical dosage form by using RP-HPLC, *Analytical Chemistry an Indian journal* ,16(12) 2016. **SJ Impact Factor: 3.239**, ISSN: 0974-7419.
24. **B. Ramachandra** & N. Venkatasubba Naidu, UV-Visible Spectrophotometric Method for the Determination of Azathioprine, *Journal of Pharmaceutical and Biological Science*, 4(6): 179-186, 2016. **Global Impact Factor: 0.876**, ISSN: 2320-192.
25. **B. Ramachandra** & N. Venkatasubba Naidu, Determination of Terazosin by MBTH and BPB

reagents using Spectrophotometric Technique, International Journal of Pharmacy and Analytical Research Vol-5(4), 630-643, 2016. **Impact Factor: 3.056**, ISSN: 2320-2831.

26. R. Swathi, **B. Ramachandra**, M. Hanuman Nayak & N.Venkatasubba Naidu, Development and validation of RP-HPLC method for the determination of diphenamid in its formulations. International Journal of Pharmacy and Analytical Research. Vol-6(1), 127-140, 2017. **Impact Factor: 3.056**, ISSN: 2320-2831.

PAPERS PRESENTED AT CONFERENCES

1. **Bandi Ramachandra**, T.Niranjan, N.V.S.Naidu, P.Suguna and K.Rambabu, "Development and validation of UV-Visible spectrophotometric method for the analysis of Methotrexate in pharmaceutical formulations". Poster presentation UGC Sponsored National Seminar on Recent Trends and Future Perspectives in Materials Science 28th and 29th June -2013 in Andhra University Visakhapatnam A.P India.
2. **Bandi Ramachandra**, T.Niranjan, C.Ramanjulu, M. Sulochana and N.V.S.Naidu; "Development and validation of Stability-Indicating HPLC Method for Analysis of Terazosin in Bulk Drug and Pharmaceutical Formulations". Poster presentation UGC Sponsored National Seminar on Recent Trends in Organic Chemistry on 19th December, 2013 in Department of Chemistry Sri Venkateswara Arts College, TTD, Tirupati.
3. **Bandi, Ramachandra**, T.Niranjan, C.Ramanjulu, M. Hanuman Nayak, P. Supriya & N.Venkatasubba Naidu, "Spectrophotometric method for the determination of Azathioprine with BPB" National Conference on Emerging Trends in Pharmaceutical and Chemical Sciences [ETPCS-2016] 28 & 29 March-2016 at department of chemistry. Organized by Department of chemistry Sri Venkateswara University Tirupati AP India.

4. **Bandi. Ramachandra** & N. Venkatasubba Naidu, "Spectrophotometric method for the determination of Azacitidine with MBTH"; International Conference on Advanced Polymers for Science and Technology. (APST-2016) 24-26 October Organized by Department of chemistry, School of Advanced Sciences, VIT University, Vellore TN India.

LIST OF NATIONAL CONFERENCES ATTEND

1. National Seminar on Vedic Science in Relevance to Modern Science held on September- 28th - 2010 in **Sri Venkateswara University Tirupati** A.P India.
2. UGC-DRS-Sponsored National Seminar on the Role of Chemistry in Monitoring the Environment held on 31stOctober-2011 in **Sri Venkateswara University Tirupati** A.P India.
3. National Seminar on Recent Research Trends in Chemical Science held on 28thDecember- 2110 in **Sri Venkateswara University Tirupati** A.P India.
4. International seminar on emerging Trends in Synthetic Organic and Medicinal Chemistry held on 13th to 15th November **Vikram Simhapuri University Nellore** A.P India.
5. National Conference on Recent Advances in Chemical Processes held on 29th December 2013 at department of chemistry. Organized by Department of chemistry **Sri Venkateswara University Tirupati** AP India.
6. National Conference on Role of chemistry in energy development and environmental protection [RCEE-2014] March 3-4, 2014 at department of chemistry. Organized by Department of chemistry **Sri Venkateswara University Tirupati** AP India.
7. National Conference on Drug Discovery and development in Chemistry Applications in Pharma Industry (DDDC-2015). 14th & 15th September- 2015 at department of Chemistry. Organized by Department of chemistry **Sri Venkateswara University Tirupati** AP India.
8. **The 104th Indian Science Congress** Association held at SV University, Tirupati From January 3 to 7, 2017 AP India.

WORKSHOPS ATTENDED

1. A Workshop on Advances in Organic Spectroscopy held on march-8, 2009 in **P.V.K.N. Govt. College, Chittoor**. A.P. India

REFERENCE

Prof. N. Venkatasubba Naidu Professor of Chemistry Department of Chemistry, Sri Venkateswara University, Tirupati:-517502, A.P, India. E-Mail: nvsn69@gmail.com Phone: +91-94407 22881.	Prof. P.R. Naidu(Rtd), Former Vice-Chancellor (SKU) Professor of Chemistry Dept of Chemistry, S.V. University, Tirupati. Tirupati:-517 502, A.P, India. Email: prof. prnaidu@@gmail.com Phone: +91-877-2249149
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Prof. P. Venkateswarlu (Rtd), Professor of Chemistry Department of Chemistry, Sri Venkateswara University, Tirupati:-517502, A.P, India. E-Mail: pvchem01@gmail.com Phone: +91-93936 00444	Dr. N.V.V. Jyothi Assistant Professor Department of Chemistry, Sri Venkateswara University Tirupati:-517 502, A.P, India. Email: nvvjyothi73@gmail.com Phone: +91-9912366219

PERSONAL PROFILE

Name	:	Dr. RAMACHANDRA.B
Father's Name	:	NAGARAJA.B
Date of Birth	:	14-05-1985
Languages Known	:	English, Telugu, and Hindi
Gender	:	Male
Marital Status	:	Single
Religion	:	Hindu
Nationality	:	Indian

PERMANENT ADDRESS

Dr. Ramachandra .B
S\O Nagaraja.B
Digavaediga palli,
T.S .Palem post
Chinnagottigallu (MD)
Chittoor (DT),
A.P-517193.

DECLARATION

I declare that all the statements made in this application are true to the best of my Knowledge and belief.

Place: Tirupati

Date :

Dr. Ramachandra Bandi