

NAME: Naveen Babu Kilaru, M. Pharm., Ph.D.

Educational Qualifications:

INSTITUTION AND LOCATION	DEGREE	YEAR OF COMPLETION	FIELD OF STUDY
PES College of Pharmacy, Bangalore	B. Pharm	1995	
AU College of Pharmaceutical Sciences, Andhra University, Visakhapatnam	M. Pharm	1999	Pharmaceutical-Biotechnology
Central Food Technological Research Institute, Mysore	Ph. D.	2006	Biotechnology

PRESENT POSITION AND ADDRESS: Professor, KVSRR Siddhartha College of Pharmaceutical Sciences, Vijayawada, A.P-520010

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Professional Memberships: Association of Pharmaceutical Teachers of India

Experience: 19 Years

Current Interests:

Honors and awards:

Publications: From July 2010 (KVSRRSCOPS)

1. Siddhartha Nuthakki, Sivaprasad Pendyala, Sivaramakrishna Konduru, Ravindrababu Pingili, **Naveen Babu Kilaru** (2018). Drug-drug interactions: Influence of verapamil on the pharmacokinetics of sitagliptin in rats and Ex vivo models. Iranian Journal of Pharmacology & Therapeutics, 16 (1): 1-11.
2. Ravindrababhu Pingili, Dilip Arumekala, Yamini Gorrepati, Ramya Sri Gottam, Chandrika Konathala, Siva Reddy Challa, **Naveen Babu Kilaru** (2018). Rejoinder to: Basus "Letter to the Editor". Published online in International Journal of Diabetes in Developing Countries
3. **Naveen Babu Kilaru**, Murali Krishna Javaji, Rajani Kumar Valluru, Krishna Mohan Chinnala (2018). Development and validation of RP-HPLC method for estimation of Tramadol in extended release tablet pharmaceutical dosage form. International Journal of Pharmacy and Biological Sciences, 8(1): 462-468.
4. **K. Naveen Babu**, M. Prasada Rao, K. Hanumantha Rao, Y. Narasimha Rao (2018). Evaluation of anxiolytic activity methanolic extract of Caltropis gigantean flowers. American Journal of PharmTech Research, 8 (2): 229-232.
5. Pallavi K, **Naveen Babu K**, Basaveswara Rao MV (2018). Fabrication of layered tablet of Curcumin with natural excipients for colon targeting. Der Pharmacia Lettre, 10(3): 15-29.
6. Pallavi K, **Naveen Babu K**, Basaveswara Rao MV (2018). Extraction and invivo characterization of various natural mucoadhesive polymers. World Journal of Pharmaceutical Research, 7 (15): 650-662.

7. Sheethal Shinde, Divya Rayapureddy, **Naveen Babu Kilaru**, Ravindrababu Pingili (2018). Evaluation of quercetin and chrysin for anthelmintics activity using adult Indian earthworm model. *International Journal of Pharmaceutical and Clinical Research*, 10 (8): 216-218.
8. **K. Naveen Babu**, M. Prasada Rao, K. Hanumantha Rao, Y. Narasimha Rao (2018). Antioxidant activity of extract of *Rizophora mucronata* leaf. *International Journal of ChemTech Research*, 11 (5): 201-208.
9. Narsimha Rao Y, and **Naveen Babu K** (2017) Phytochemical Analysis and Acute Toxicity Studies Of Methanolic Extract Of Stem Of *Dalbergia lanceolaria*, Flowers Of *Dendrobium normale* And Bark Of *Measa indica*. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 8(2): 97-100.
10. RV Sujanamulk Bhavan, Prashant Nahar, Chintamaneni Raja Lakshmi, **Naveen Babu Kilaru**, Ramakrishna Vemugunta (2017). A randomized clinical trial to asses and compare the antimicrobial activity of plants of lythraceae family with hora mouth washes in subjects with chronic periodontitis unvellling the unseen effects. *International Journal of Pharmaceutical Sciences & Research* 8(5): 2184-2193.
11. **Naveen Babu Kilaru**, Ravindra Pingili, Uday Bhaskar Narra, Sri Varsha Reddy, Chinnam, Prardhana Devi Datla, Sree Varsha Potluri (2017). Assessment of medication adherence to JNC-7 guidelines and risk factors for hypertension in a south Indian tertiary care hospital. *Indian Journal of Pharmacy Practice* 10: 1-12.
12. **Naveen Babu Kilaru**, Murali Krishna Javvaji, Rajani Kumar Valluru, Krishna Mohan Chinnala (2017). Development and Validation of RP-HPLC Method for Estimation of Ropinirole in Pharmaceutical Dosage Form. *International Journal of Pharmacy and Biological Sciences*, 7 (3): 229-235.
13. **Naveen Babu Kilaru**, Murali Krishna Javvaji, Rajani Kumar Valluru, Krishna Mohan Chinnala (2017). Development and Validation of RP-HPLC Method for Estimation of Mesalamine in Pharmaceutical Dosage Form. *International Journal of Pharmacy and Biological Sciences*, 7 (1): 121-127.
14. Prasad Rao, Y Narasimha Rao, **K Naveen Babu**, M V Basaveswara Rao (2017). Evaluation of hepatoprotective activity of methanolic extract of *Dendrobium normale* flowers against CCl₄ induced liver damage in rats. *International Journal of current Research* 9 (1): 45064-45067.
15. **Kilaru Naveen Babu**, Ravindrababu Pingili, Sridhar Vemulapalli, Surya Sandeep Mullapudi S Kondru (2017). Antidiabetic activity of methanolic leaf extract and different fractions of *Zephyranthes candida* in Streptozotocin induced diabetic rats. *Iranian Journal of Pharmacology & Therapeutics* 14 (2): 28-34.
16. Y Narasimha Rao, **K Naveen Babu**, M V Basaveswara Rao, M Prasad Rao (2016). Hepatoprotective activity of methanolic extract of Maesa Indica Bark against CCl₄ induced liver damage in rats. *International Journal of Pharmaceutical Sciences Review & Research* 37 (1): 101-104.
17. **Kilaru Naveen Babu**, Ravindrababu Pingili, Sridhar Vemulapalli, Surya Sandeep Mullapudi, Siddhartha Nuthakki, Sivaprasad Pendyala (2016). Pharmacokinetic interaction study between flavanones (hesperetin, naringenin) and rasagiline mesylate in wistar rats. *Drug Dev Ind Pharm*. 42 (7): 1110-1117.
18. Sridhar V, Surya Sandeep M, Ravindra Babu P, **Naveen Babu K**. (2013) Evaluation of First-Pass Cytochrome P4503A (CYP3A) and P-glycoprotein Activities Using Felodipine

and Hesperetin in Combination in Wistar Rats and Everted Rat Gut Sacs in Vitro. *Phytotherapy Research* 28, 699-705. (Impact Factor: 2.694)

19. Sai Sriyanka.K, P.Vishnu, **K. Naveen Babu**, V.Uma Maheshwara Rao, B. Chandana Shilpa, T.Sravani, B.Arun, M.Ashok (2014). A brief review on liquidsolid compact technique. *Int.J.A.PS.BMS* 3 (1): 335-350.
20. B. Chandana Shilpa, P. Vishnu, **K. Naveen Babu**, V. Umamaheshwara Rao, K. Sai Sriyanka, T. Sravani (2014). A Brief review on floating drug delivery system. *SPJPBS*, 2(2): 137-153.
21. N Kanaka Durga Devi, M Priyanka, A Swathi, Jasti Krishna Sai, K Naveen Babu (2016). Assessment of Antihypertensive drugs in Ckd patients. *IOSR Journal of Pharmacy* 6(8): 16-21
22. Siddhartha Nuthakki, Sivaprasad Pendyala, Charan Vallabh, **Naveen Babu Kilaru**, Siva R Challa, Ravindrababu Pingili (2016). An Assessment of Anti-hyperglycemic Drug Utilization Patterns and Adherence to AACE/ACE 2015 Guidelines in South Indian Tertiary Care Teaching Hospital. *Indian Journal of Pharmacy Practice* 9 (4): 225-230.
23. Sivaprasad Pendyala, Siddhartha Nuthakki, Charan Vallabh, **Naveen Babu Kilaru**, Siva R Challa, Ravindrababu Pingili (2016). A Prospective Study On The Assessment Of Risk Factors For Type 2 Diabetes Mellitus In Outpatients Department Of A South Indian Tertiary Care Hospital: A Case-Control Study. *Asian J Pharm Clin Res.* 9 (6): 1-5
24. Ravindrababu Pingili, Dilip Arumekala, Yamini Gorrepati, Ramya Sri Gottam, Chandrika Konathala, Siva Reddy Challa, **Naveen Babu Kilaru**. (2016). Assessment of prescription adherence to the AACE guidelines and risk factors for type 2 diabetes in a South Indian tertiary care hospital. *International Journal of Diabetes in Developing Countries*: 1-11.
25. **Naveen Babu Kilaru**, Sridhar Vemulapalli, Surya Sandeep Mullapudi, Ravindrababu Pingili, Ramya Kothapalli, Sivaramakrishna Kondru (2016). Influence of pomegranate juice on the cyp3a4-mediated metabolism and p-glycoprotein mediated transport of saquinavir in vivo and ex vivo models. *Indonesian J. Pharm.* 27 (3): 152-162.
26. B. Ravindra Babu & **K. Naveen Babu** (2016). Calculation of predominant drug release mechanism using peppas-sahlin model (substitution method): A linear regression approach. *International Journal of Pharmacy* 6 (4) 128-137.
27. **Naveen Babu Kilaru** & Ravindra Babu Baggi (2016). An unified mathematical expression for ideal peppas model: prospective estimation of percent deviation. *Asian J. Pharm. Tech.* 6 (2): 38-49.
28. V Sridhar, M Surya Sandeep, P Ravindra Babu, **K Naveen Babu** (2014). Evaluation of First-Pass Cytochrome P4503A (CYP3A) and P-glycoprotein Activities Using Felodipine and Hesperetin in Combination in Wistar Rats and Everted Rat Gut Sacs in Vitro. *Phytotherapy Research*, 28 (5): 699-705.(Impact Factor: 2.66)
29. P Sushma, P Vishnu, V Uma Maheshwar Rao, **K Naveen Babu** (2015). Formulation and invitro-evaluation of gastro-retentive superporous hydrogel tablets of famotidine. *Indo American Journal of Pharmaceutical Research* 5 (10): 3191-3202.
30. **Naveen Babu Kilaru**, Murali Krishna Javvaji, Rajani Kumar Valluru, Krishna Mohan Chinnala (2015). Development and Validation of RP-HPLC Method for Estimation of Losartan Potassium in Pharmaceutical Dosage Form. *International Journal of Pharmacy and Biological Sciences*, 5 (3): 158-165.

31. **Naveen Babu Kilaru**, Murali Krishna Javvaji, Rajani Kumar Valluru, Krishna Mohan Chinnala (2015). Development and Validation of RP-HPLC Method for Estimation of Cilostazol in Pharmaceutical Dosage Form. *International Journal of Pharmacy and Biological Sciences*, 5 (1): 153-160.
32. P Vishnu, **K Naveen Babu** (2014). Design and Evaluation of Valsartan Hydrodynamic Gastroretentive Drug Delivery Systems. *International Journal of Pharmacy* 4(1): 442-447.
33. Ashok M, Vishnu P, **Naveen Babu K**, Umamaheshwara Rao, Madhu B (2014) An overview on bilayer tablets. *International Journal of Research & Reviews in Pharmacy & Applied Science*, 4(1): 957-974.
34. Usha Sri T, Rajesh V, Vishnu P, **Naveen Babu K** (2014) Formulation and Evaluation of controlled porosity osmotic drug delivery system of metoprolol succinate. *International Journal of Pharmacy*, 4(4): 246-255.
35. Ravindra Babu P, **Naveen Babu K**, Haroled Peter P. L, Rajesh K, Jawahar Babu P. (2013) Influence of quercetin on the pharmacokinetics of ranolazine in rats and in vitro models. *Drug Development and Industrial Pharmacy*, 39(6): 873–879.
36. Vishnu P, Shireesh Kiran R, Chaitanya B, **Naveen Babu K**, Vijayavani Ch (2013) Formulation and Evaluation of sustained release tablets of vildagliptin. *International Journal of Pharmacy*, 3 (3) 587-593.
37. Rajani Kumar Valluru, Phani Bhushana Reddy B, Kalyan Sumanth S, Praveen Kumar V, **Naveen Babu Kilaru** (2013). High throughput LC–MS/MS method for simultaneous determination of tenofovir, lamivudine and nevirapine in human plasma. *Journal of Chromatography B*, 931: 117–126.
38. Valluru Rajani Kumar, Ravi Kumar.B, Sreekanth K, **Naveen Babu Kilaru**. (2013) High Throughput LC-MS/MS Method For Simultaneous Determination Of Zidovudine, Lamivudine And Nevirapine In Human Plasma. *Journal of Chromatography B* 921-922, 9-14.
39. Surya Sandeep M, Sridhar V, Puneeth Y, Ravindra Babu P, **Naveen Babu K**. (2013) Enhanced oral bioavailability of felodipine by naringenin in Wistar rats and inhibition of P-glycoprotein in everted rat gut sacs in vitro. *Drug Dev Ind Pharm* 1–7.
40. Vishnu P, Sandhya M, Sreesh Kiran R, Vani ChV, **Naveen Babu K** (2012) Needle Free Injection Technology: A Review. *Int. J. Pharm.* 2(1): 148-155
41. Ravindra Babu P, **Naveen Babu K**, Sathish Chandra A, Bhaskar U, Lakshman G, Venkatesh J. (2012) Cardiotonic activity of aqueous extract of terminalia chebula bark on isolated frog's heart. *Int. J. Research Pharma. Sci.*, 3(1), 24-28.
42. Suman Avula, **K. Naveen Babu** (2011) Development and validation of LC method for the analysis of Metoclopramide in pharmaceutical dosage form and plasma. *International Journal of research and reviews in pharmacy and applied sciences*, 1(3), 104-117.
43. Suman Avula, **K.Naveen Babu**, M.V Ramana (2010) Validated RP-HPLC method for the estimation of Olmesartan in formulation. *Pharmanest* 2, 251-256.
44. Suman Avula, **Naveen Babu Kilaru**, Gogineni Ratna Prasad and MV Ramana (2011). Development and validation of LC method for the estimation of disopyramide in pharmaceutical dosage form. *International Journal of Research and chemistry*, 1, 29-32.
45. Suman Avula, **K Naveen Babu**, KRS Sambasiva Rao (2011) Development and validation of LC-method for the estimation of pioglitazone in Pharmaceutical dosage form and plasma in vitro conditions. *International Journal of Science Innovations and Discoveries*, 1 (1), 62-74

46. A. Suman, **K Naveen Babu**, G Ratna Prasad, MV Ramana (2011) Development and validation of LC method for the estimation of Deferasirox in pharmaceutical dosage forms. *Biomedical science* 1:4, 16-22.
47. Suman Avula, **K Naveen Babu**, MV Ramana (2011) Validated RP-HPLC method for the estimation of Oxubutynin in formulation. *Pharmacore* 2(2), 156-162
48. Suman Avula, **K.Naveen Babu**, MVRamana (2011) Validated RP-HPLC method for the estimation of Ribavirin in formulation. *International Journal of Research in Pharmaceutical and Biomedical Sciences* 2(2) 704-709.
49. Vishnu P, Ravindrababu B, Sudheer B, Shireesh Kiran R and **Naveen Babu K.** (2011) Formulation and optimization of verapamil hydrochloride microcapsules. *International Journal of Pharmacy* 1(1)54-58.
50. Vishnu P, Ravindrababu B, Sudheer B, Shireesh Kiran R and **Naveen Babu K.** (2011) Influence Of Various Super Disintegrating Agents On The Aceclofenac Fast Dissolving Tablets. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 2 (2)99-105.

Presentations: 17

Patents: 02

1. Sattur, Avinash Prahalad; **Babu, Kilaru Naveen**; Rao Lingamallu Jagan Mohan; Karanth, Naikanakatte Ganesh; An inhibitor compound and its isolation and method of treatment against pancreatic lipase for use as an anti- obesity agent (2009) **Patent Number: 20090163443**).
2. Sattur, Avinash Prahalad; Rao, Kadiyala Chandrasekhar; **Babu, Kilaru Naveen**; Soundar, Divakar; Karanth, Naikanakatte Ganesh; Tumkur, Ramachandraiah Shamala Aldose reductase inhibitor and pharmaceutically acceptable derivatives thereof of the formula below derived from cultures of *Aspergillus niger* CFR 1046 and useful as a rat lens aldose reductase inhibitor. **Patent Number: 20030134399**.

Books Published: Nil

Number of PhDs guided: 05

- Ph.D awarded to Mr. Avula Suman bearing the title “Rapid lipid chromatography UV detection method development & validation of multiclass drugs in active pharmaceutical ingredients & pharmaceutical dosage & applicability in biological matrices” in the Department of Biotechnology in Faculty of Natural Sciences by Acharya Nagarjuna University. (ANU/RC/Ph.D/Biotechnology/AS/599/ January-2012).
- Ph.D awarded to Mr. Valluri Rajani Kumar thesis entitled “High throughput LCMS/MS methods for the determination of antiretroviral drugs in human plasma” in the Department of Biotechnology from Acharya Nagarjuna University
- Ph.D awarded to Mr. Vishnu Pulavarthy “thesis entitled Design and evaluation of Gastroretentive Drug Delivery Systems of Anti-Hypertensives” in Faculty of Pharmaceutical Sciences from Jawaharlal Nehru Technologies University Hyderabad.
- Ph.D awarded to B. Ravindra Babu thesis entitled “Development of controlled release dosage forms for drug to treat adverse conditions related to high blood pressure” in Faculty of Pharmaceutical Sciences from Acharya Nagarjuna University.(Ref. No. ANU/RC/Ph.D./Pharmacy/BRB/1930/Dec., 2016.

- Ph.D awarded to Y. Narasimha Rao thesis entitled “Evaluation of hepatoprotective and antioxidant activities of selected medicinal plants” Krishna University

Research Grants : Nil

Reviewer of scientific journals:

Phytotherapy Research	Biomedical Chromatography
Current Pharmaceutical Design	Current Molecular Pharmacology
Chemico-Biological Interactions	Current Medicinal Chemistry
Current Medicinal Chemistry	Chinese Journal of Natural Medicines
Curr Drug Targets	Iranian Journal of Basic Medical Sciences