CURRICULAM VITAE

K. RAVI SHANKAR
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OBJECTIVE;

Ambitious in seeking opportunities to upgrade technology and skills in the areas of **Teaching and Research** and to work with utmost commitment and dedication.

ACADEMIC CREDENTIALS:

S NO	COURSE	INSTITUTION	PERCENTAGE	YEAR OF PASSING
1	Ph.D.	Jawaharlal Nehru Technical University, Hyderabad	----	May 2017
2	M.PHARM (Pharmaceutical Technology)	A.U. College of Pharmaceutical Sciences, Andhra University, Visakhapatnam	CGPA 9.33	October 2010
3	B.PHARM	K. V. S. R. Siddhartha College of Pharmaceutical Sciences, Vijayawada .	80.65	April 2008
4	INTER	Sri Chaitanya Junior Kalasala Hyderabad.	94	March 2004
5.	SSC	Geetanjali High School, Hyderabad.	85	March 2002

Ph.D. RESEARCH TOPIC:

Formulation Development Studies on Selected BCS Class II Antiretroviral Drugs under the guidance of **Prof. K.P.R. Chowdary**.

M. PHARM RESEARCH TOPIC:

Preparation, Characterization and Evaluation of Calcium Starch- A new modified starch for controlled release of diclofenac under the guidance of **Prof. K.P.R. Chowdary**

EXPERIENCE:

1. Worked as Assistant Professor at A.K.R.G. College of Pharmacy, Nallajerla from 03-09-2011 to 30-4-2013 (1 year 8 months).
2. Worked as Assistant Professor at Vikas Institute of Pharmaceutical Sciences, Rajahmundry from 03-06-2013- to 15-12-2016 (3 year 6 months).
3. Worked as Associate Professor in Sri Indu Institute of Pharmacy, Ibrahimpatnam from 20-12-2016 to till date. (0 years 8 months)
4. Worked as Assistant Professor in KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada from 03-10-2017 to 31.8.2020 (2 years 10 months)
5. Working as Assistant Professor in KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada from 02-08-2021 to till date.

Total Experience: **8 years 8 months**

SUBJECTS TAUGHT:

At UG level

Physical Pharmacy-I, Physical Pharmacy-II, Biopharmaceutics & Pharmacokinetics, , Industrial Pharmacy- I

At PG level

Biopharmaceutics & Pharmacokinetics, Physical Pharmaceutics, Advances in Drug Delivery Systems, Advanced Pharmaceutical Technology, Modern Pharmaceutics

ACHIEVEMENTS:

- Qualified in **GATE 2008** with percentile score 98.35. **(All India rank 447).**
- Recipient of stipend under UGC scholarship.
- Qualified in **NIPER 2008 (all India rank 147).**
- Qualified in **ANU Ph.D. Research Entrance Test 2011 (All India Rank 6)**
- Awarded first prize in scientific poster presentation on presenting a review article on Respirocytes at K.V.S.R Siddhartha College of Pharmaceutical Sciences, Vijayawada in 2007.
- Participated in National Seminar held at Raghu College of Pharmaceutical Sciences, Visakhapatnam in July 2010 and won **first prize** on presenting a review article on

Floating Drug Delivery Systems: A Novel Approach to Improve Bioavailability and Controlled Drug Delivery.

- **Participated and won Third Prize (Rs 10000 cash award)** in National Seminar on Innovation in Pharmacy Sciences, Practice and Research , MAM College of Pharmacy, Narasaraopet, Guntur Dist. A.P. during 7^{th} -8^{th} November 2015 for presenting a research paper on Optimization of Ritonavir Tablet Formulation by 2^2 Factorial Design: A Novel Approach to Achieve the Desired Dissolution Rate
- **Participated and won First Prize (Rs 30000 cash award) in 68^{th} Indian Pharmaceutical Congress**, Andhra University, Visakhapatnam during 16^{th} – 18^{th} December 2016 for for presenting a research paper on Formulation, Optimization, *In vitro and In vivo* Evaluation of Ritonavir Tablets.
- Participated and won **First Prize in oral presentation (Rs 5000 cash award)** in IPA sponsored National Seminar on Recent Trends and Importance of Green Pharmacy at MAM College of Pharmacy, Narasaraopet during 9^{th} and 10^{th} February 2018 for presenting a research paper entitled Optimization of Pharmaceutical Formulations by Factorial Designs : An Innovative Approach.

RESEARCH GUIDANCE

M. Pharmacy Projects

1. Enhancement of Dissolution Rate and Formulation Studies on Aceclofenac by Solid Dispersion in Combined Carriers by Baby Adilakshmi Kalingi at **Vikas Institute of Pharmaceutical Sciences**, 2013
2. Development and Evaluation of Pregelatinized Starch-Alginate Microspheres for Controlled Release by Syed Mahaboob Ali at **Vikas Institute of Pharmaceutical Sciences**, 2013.
3. Studies on Developing Platform Technology for Floating Tablets, by K. L. Chaitanya Chitluri **at Vikas Institute of Pharmaceutical Sciences**, 2013.
4. Formulation Development of Irbesartan Tablets: Selection of Diluent-Binder-Disintegrant Combination By 2^3 Factorial Study, Chennapurapu Ramesh Babu at **Vikas Institute of Pharmaceutical Sciences**, 2013.
5. Formulation and Evaluation of Floating Drug Delivery Systems of Lamivudine by Kondreddi Nalini at **K.V.S.R. Siddhartha College of Pharmaceutical Sciences** , **2018.**

6. Formulation and Evaluation of Carvidilol Phosphate Floating Tablets by R Bhaskara Rao, at **K.V.S.R. Siddhartha College of Pharmaceutical Sciences** , 2019.
7. Enhancement of Solubility and Dissolution Rate of Rosuvastatin Calcium Employing βCD, Soluplus and Poloxamer 188 by Kalangi Princy Priya at **K.V.S.R. Siddhartha College of Pharmaceutical Sciences, 2019.**

B.Pharmacy Projects

1. Formulation and Evaluation of Diclofenac Matrix Tablets by Employing Various Controlled Release Polymers- M. Chandrasekhar at **A.K.R.G. College of Pharmacy**, 2012
2. Formulation and Evaluation of Rifampicin Tablets by Direct Compression Method using Directly Compressible Vehicles by Ch Maniknata at **Vikas Institute of Pharmaceutical Sciences**, 2016.
3. Formulation and Evaluation of Irbesartan Tablets Employing β Cyclodextrin and PEG 4000 by 2^2 Factorial Design by Desani. Ravali Reddy at **Sri Indu Institute of Pharmacy,** 2017.
4. Formulation and Evaluation of Telmisartan Tablets Employing Solvent Deposited Systems by Konda Bhargavi and Polavarapu Hima Bindu at **K.V.S.R. Siddhartha College of Pharmaceutical Sciences, 2019.**

SEMINARS AND PRESENTATIONS:

- Participated at National conference on Current strategies in Pharmaceutical Education and Research held at Sri Vishnu College of Pharmacy, Bhimavaram Feb. 2006 and presented a review paper on 'Novel Approaches for Drug Delivery to Brain'.
- Participated in National Seminar held at AU College of Pharmaceutical Sciences, Andhra University Visakhapatnam held in March 2009 and presented a research paper on 'Effect of Binders on the Dissolution Rate of Tablets of BCS Class II Drugs'.
- Participated at **64th Indian Pharmaceutical Congress**. Chennai during December, 7-9th , 2012 and presented research paper on A Factorial Study on Enhancement of Solubility and Dissolution rate of Efavirenz Employing β- Cyclodextrin, Soluplus and PVPK30.
- Participated at **18th Annual National Convention of Association of Pharmaceutical Teachers of India. (APTICON 2013)** held at Vikas Institute of Pharmaceutical Sciences, Rajahmundry during 25th -27th October, 2013 and presented a research paper on A Factorial Study on Formulation Development of Efavirenz Tablets.

- Participated in **67th Indian Pharmaceutical Congress , JSS Mysuru** during 19th -21st December 2015 and presented a paper on Optimization of Ritonavir Tablet Formulation by 2^2 Factorial Design: *Invitro* and *Invivo* evaluation,
- Worked as **LOC Member**, Scientific Service Committee for **APTICON 2013** during 25th -27th October, 2013 atVikas Institute of Pharmaceutical Science, Rajahmundry.
- Participated in **AICTE-ISTE** Sponsored faculty orientation programme on Essentials for Insights on Inspirational Teaching for Novice Undergraduate & Graduate Faculty in Pharmacy, Vignan Pharmacy College, Vadlamudi, Guntur, AP on 4th -9th June 2018.
- Attended one day IPA Sponsored one day workshop on QbD Case Studies: Design of Experiments (DOE) - A Novel (statistical) Approach for proceeds optimization and product development at Vignan Pharmacy College, Guntur on 6-10-2018.
- Attended 10th National IPA Student Congress at Vikas Institute of Pharmaceutical Sciences, Rajahmundry during 16th -17th February 2019 and acted as **Evaluator** for oral presentations.
- Attended A Two Day International Conference on Pharmacokinetics in Academics and Research at KL College of Pharmacy, KL University, Guntur on 23rd - 24th September 2019.
- Worked as coordinator for One Week Virtual International Faculty Development Program on "Advances in Pharmaceutical Sciences: Research and Practice" at KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada during July 27, 2020 to August 01, 2020
- Attended a One-Week National Faculty Development Program on Innovations In Drug Delivery Systems by Bapatla College of Pharmacy from 31st May 2020 to 5th June 2020.
- Participated in a "FDP on Skill development in Pharmacy Education, Research and Practice" organized by GIET School of Pharmacy- IQAC in association with IPA-Rajahmundry branch from 1st to 5th June 2020.
- Attended a Five day Online International FDP conducted by A.M.Reddy Memorial College of Pharmacy, Narasaraopet from 4th June 2020 to 8th June 2020.

- Attended one week online international faculty development programme on "Emerging Innovations and Insights in Pharmaceutical Sciences" jointly organized by JNTUK, Kakinada and V. V. Institute of Pharmaceutical Sciences, Gudlavalleru Post, Krishna District, A.P. from 08th June to 13th June, 2020.
- Participated in online faculty development program on ‘‘Trends and Advancements in Pharmaceutical Sciences” organized by the Faculty of Pharmacy, Dr. M.G.R. Educational and Research Institute, Chennai from 10th June 2020 to 13th June 2020.
- Attended a five day e-FDP on Current Trends in Pharmaceutical Sciences organized by Anwarul Uloom College of Pharmacy, Hyderabad, in Association With Indian Pharmaceutical Association, Telangana State Branch from 19th to 23rd June 2020
- Attended a One-Week National Faculty Development Program on “Holistic Approaches For Excellence In Pharmaceutical Education, Research And Publishing” organized by Raghu College of Pharmacy, Visakhapatnam from 22nd to 28th June 2020.
- Participated in Five day FDP on “Strategies & Advancements in Research & Development : Strengthening Academicians for Pharmaceutical care” organized by Internal Quality Assurance cell (IQAC), Institution’s Innovation Council (IIC) of Vignan Pharmacy College, Vadlamudi, Guntur (Dt) in association with National research development corporation (NRDC) on 22nd June to 26th June, 2020.
- Attended One-Week Online International FDP/SDP On "Current Updates in Pharmaceutical Research & Development organized by Department of Pharmaceutics, Vishnu Institute of Pharmaceutical Education & Research, Narsapur, Medak , Telangana, India" from 6th to 11th July 2020

List of Publications (Ph. D Research Work):

1. K. Ravi Shankar and K.P.R. Chowdary. A factorial study on enhancement of solubility and dissolution rate of efavirenz employing β- Cyclodextrin, Soluplus and PVPK30. World journal of Pharmaceutical research. Volume 2, Issue 3, April 2013. 578-586.
2. K Ravi Shankar and K.P.R. Chowdary. Factorial Studies on Enhancement of Solubility and Dissolution Rate and Formulation Development of Efavirenz Tablets Employing β-Cyclodextrin and Soluplus. BioMedRx. Vol.1 Issue 3.March 2013. 299-303.
3. K Ravi Shankar and K P R Chowdary, Optimization of Efavirenz Tablet Formulation by 2^2 Factorial Design, International Journal of Comprehensive Pharmacy, 2014, 03 (02), 1-4.
4. K. Ravi Shankar and K.P.R. Chowdary, Formulation Development of Efavirenz Tablets Employing β- Cyclodextrin, Soluplus and PVP K30: Factorial Study, International Research Journal of Pharmaceutical and Applied Sciences, 2013; 3(4):110-115
5. K. Ravi Shankar, K. P. R. Chowdary and A. Sambasiva Rao, Preclinical Pharmacokinetic Evaluation of Ritonavir Tablets Formulated Employing β CD and Soluplus, World Journal of Pharmacy and Pharmaceutical Sciences, 2015, 4(9),1435-1442.
6. K. Ravi Shankar, K. P. R. Chowdary and A. Sambasiva Rao, A Factorial Study Of Formulation Of Ritonavir Tablets Employing β Cyclodextrin, Soluplus And PVP K30, World Journal of Pharmacy and Pharmaceutical Sciences, , 2015, 4(6), 1191-1200.
7. K. Ravi Shankar, K. P. R. Chowdary and A. Sambasiva Rao, Formulation of Ritonavir Tablets: Optimization by 2^2 Factorial Design, World Journal of Pharmaceutical Research, 2015, 4(7), 1883-1891.
8. K. Ravi Shankar, K. P. R. Chowdary and A. Sambasiva Rao, Optimization of Efavirenz Tablet Formulation Employing β Cyclodextrin and Soluplus by 2^2 Factorial Design, World Journal of Pharmaceutical Research ,2015, 4(6), 2018 -2026.
9. K. Ravi Shankar, K. P. R. Chowdary and A. Sambasiva Rao , Studies on Enhancement of Solubility and Dissolution Rate of Ritonavir Employing β -Cyclodextrin, Soluplus and PVPK30, World Journal of Pharmaceutical Research , 2015, 4(5),2614 -2624.

List of Publications - Research Work:

1. K.P.R. Chowdary, K. Ravi Shankar, P. Suneel Kumar, Optimization of Valsartan Tablet Formulation Employing βCD and Primojel by 2^2 Factorial Design, IJCST,2014, 4 (4), 349-356.

2. K.P.R. Chowdary, K. Ravi Shankar , V. Sowjanya, Optimization of Irbesartan Tablet Formulation by 2^2 Factorial Design, JPR,2014,8(4),606-609.

3. K.P.R. Chowdary, K. Ravi Shankar, P. Suneel Kumar, Optimization of βCD and Superdisintegrant Levels for Formulation of Valsartan IR Tablets by 2^2 Factorial Design, IRJPAS, 2014, 4(2), 27-31.

4. K.P.R. Chowdary, K. Ravi Shankar , V. Sowjanya, Optimization of βCD and Superdisintegrant Levels for Formulation of Irbesartan IR Tablets by 2^2 Factorial Design, IJCST,2014, 4(2), 302-308.

5. K.P.R. Chowdary, K. Ravi Shankar , V. Sowjanya, Optimization of Irbesartan Tablet Formulation by 2^2 Factorial Design, WJPPS, 2014,3(10), 1110-1119.

6. K.P.R. Chowdary, K. Ravi Shankar, P. Suneel Kumar , Optimization of Valsartan Tablet Formulation by 2^3 Factorial Design, JPR, 2014,8(9),1321-1325.

7. K.P.R. Chowdary, K. Ravi Shankar, P. Suneel Kumar, Optimization of Olmesartan Tablet Formulation by 2^2 Factorial Design, WJPPS, 2014,3(11), 1287-1294.

8. K.P.R. Chowdary, K. Ravi Shankar , V. Sowjanya, Optimization of Irbesartan Tablet Formulation Employing βCD And Crospovidone by 2^2 Factorial Design, WJPR,2014, 3 (9), 942-950.

9. K.P.R. Chowdary, K. Ravi Shankar, S. V. V. Subrahmanyam, Preparation and Evaluation of Pregelatinized Starch Microspheres for Controlled Release of Glipizide, IJCP,2014, 5(4),1-3.

10. K.P.R. Chowdary, K. Ravi Shankar, T. Vijay, A 2^2 Factorial Study on Formulation and Evaluation of Lornoxicam Floating Tablets, IJCP, 2014, 5(2), 1-5.

11. K.P.R. Chowdary, K. Ravi Shankar and P. Suneel Kumar, Optimization of Valsartan Tablet Formulation by 2^3 Factorial Design, WJPR,2014, 3(9), 605-614.

12. K.P.R. Chowdary, K. Ravi Shankar and P. Suneel Kumar, Optimization of Valsartan Tablet Formulation by 2^2 Factorial Design, IJCP, 2014, 2 (3), 1-4.

13. K.P.R. Chowdary, K. Ravi Shankar and Ch. Chandra Sekhar, Enhancement of Dissolution Rate of Voriconazole by Solid Dispersion in Primojel and Poloxamer 188 Alone and in Combination, IJCP, 2014, 04 (04), 1-5.

14. K.P.R. Chowdary, K. Ravi Shankar and Mercy Ruth, Enhancement of Dissolution Rate of Olmesartan by Solid Dispersion in Crospovidone and Poloxamer 188 alone and In Combination, WJPR, 2014, 3(3), 4717-4727.

15. K.P.R. Chowdary, K. Ravi Shankar and Ch. Chandra Sekhar, Enhancement of Dissolution Rate and Formulation Development of Voriconazole Tablets by Solid Dispersion in Combined Carriers, WJPPS.2014, 3(11), 855-863.

16. K.P.R. Chowdary, K. Ravi Shankar and Ch. Chandra Sekhar, Optimization of Irbesartan Tablet Formulation by 2^2 Factorial Study, WJPR, 2014,3(9), 951-957.

17. K.P.R. Chowdary, K. Ravi Shankar and S. V. V. Subrahmanyam, Preparation and Evaluation of Pregelatinized Starch Microspheres for Controlled Release of Lornoxicam, WJPR,3 (10), 2014.

18. P Veera Lakshmi, KPR Chowdary, A Prameela Rani, K Ravi Shankar. Preparation and Evaluation of Chitosan-Gliclazide Microparticulate Drug Delivery Systems by an Emulsification-Desolvation-Cross linking technique, Indo American Journal of Pharmaceutical Sciences, 2018; 5(4): 2713-2720.

19. A. Manaswitha, P. V. L. D. Sai Swetha, N.K.D. Devi, K. Naveen Babu, K. Ravi Shankar, Oleic Acid Based Emulgel for Topical Delivery of Ofloxacin, Journal of Drug Delivery & Therapeutics, 2019; 9(4-A):183-190.

20. K. Bhargavi, P. Hima Bindu and K. Ravi Shankar, Formulation and Evaluation of Telmisartan Tablets Employing Solvent Deposited Systems, World Journal of Pharmaceutical Research, 2019; 8 (12): 1397-1405.

21. Nalini Kondireddy and K. Ravi Shankar, Formulation and Evaluation of Lamivudine Floating Tablets, J. Global Trends Pharm Sci, 2019; 10(2): 6256 – 6262.

22. Vinutha.K and Ravi Sankar Kunderu, Kinetic Spectrophotometric Determination of Emtricitabine and Tenofovir Disoproxil Fumarate in Bulk and Pharmaceutical Dosage Form, International Journal of Pharmaceutical Research, 2020; 12(3): 1142-1149

List of Publications - Review Papers:

1 K.P.R. Chowdary, K .Ravi Shankar and P. Suneel Kumar, Recent Research on QbD Approach in Formulation Development - A Review, IJCST, 2014, 4(1), 282-292.

2. K.P.R. Chowdary, K. Ravi Shankar and Ch. Chandra Sekhar, Recent Research on Formulation Development Based on BCS: A Review, APBS, 2014, 2(1), 35-43.

3. K.P.R. Chowdary, K. Ravi Shankar and T. Adinarayana, Recent Research on Cyclodextrin Complexation in Formulation Development - A Review, JGTPS, 2014, 5(2), 1576-1583.

4. K.P.R. Chowdary, K. Ravi Shankar and V. Sowjanya, Optimization of Pharmaceutical Product Formulation by Factorial Designs: Case Studies and Recent Research, IJCP, 2014, 1(1), 2-5.

5. K.P.R. Chowdary, K. Ravi Shankar and S. V. V. Subrahmanyam, Recent Research on Microspheres - A Review, JGTPS, 2014, 5(2), 1557-1566.

6. K.P.R. Chowdary, K. Ravi Shankar and T. Vijay, Floating Drug Delivery Systems- A Review of Recent Research, IRJPAS, 2014, 4(2), 14-24

7. K.P.R. Chowdary, K. Ravi Shankar and M. Subbalakshmi, Recent Research on Solid Dispersions - A Review, JGTPS, 2014, 5(2), 1612-1623.

8. K.P.R. Chowdary, K. Ravi Shankar and B. Suchitra, Recent Research on Orodispersible Tablets – a review, IRJPAS, 2014, 4(1), 64-73.

9. K.P.R. Chowdary and K. Ravi Shankar, Optimization of Pharmaceutical Product Formulation by Factorial Designs: Case Studies, Journal of Pharmaceutical Research, 2016,15(4), 105 -109.

10. Surya Prakasarao Kovvasu, Priyanka kunamaneni, Ravi Sankar Kunderu , Cyclodextrins and Their Application in Enhancing the Solubility, Dissolution Rate and Bioavailability, Innoriginal International Journal of Sciences, 2018; 5 (5) : 25-34

11. Anjaneyulu vinukonda, Ravi Sankar Kunderu, Sailaja Gunnam, A Review on Mucoadhesive Microspheres, International Journal of Chemtech Research, 2018; 11(09): 277.

12. K Ravi Shankar, KPR Chowdary. Biologicals and Biosimilars: An Overview, Indo American Journal of Pharmaceutical Sciences.2018; 5(3): 2015-2022.

PERSONAL DETAILS;

Name	K Ravi Shankar
Fathers name	K Seshagiri Rao
Date of Birth	8th Aug 1986
Sex	Male
Marital Status	Unmarried
Religion	Hindu
Nationality	Indian
Languages Known	English, Hindi, Telugu and Tamil

DECLARATION

I hereby declare that the details mentioned above are true to the best of my knowledge.

Place:

Date: **(K. RAVI SHANKAR)**