

## **A. RAVI KIRAN**

**M. Pharm, Ph. D**

### **Professor**

G. Pulla Reddy College of Pharmacy,

Mehdipatnam, Hyderabad,

Telangana, India – 500 028.

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## **ACADEMIC QUALIFICATIONS**

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- **2015 Ph. D Pharmaceutical Sciences Osmania University**
- **2004 M. Pharmacy Pharmaceutical Sciences The Tamilnadu Dr. MGR Medical University**
- **1999 B. Pharmacy Pharmaceutical sciences Gulbarga University.**

## **TEACHING EXPERIENCE: 21 years 1 Months**

- Working as Professor at G. Pulla Reddy College of Pharmacy from Feb 1<sup>st</sup> 2023 to till date
- Worked as Associate Professor at G. Pulla Reddy College of Pharmacy from Aug 2015 to Jan 2023.
- Worked as Sr. Asst. Prof at G. Pulla Reddy College of Pharmacy from Jan 2009-July 2015.
- Worked as Asst Prof at G. Pulla Reddy College of Pharmacy from Jan-2005 to Dec-2008.

<b>Total citations</b>	-	<b>783</b>
<b>h-index</b>	-	<b>16</b>
<b>i10-index</b>	-	<b>18</b>
<b>Total Publications</b>	-	<b>45</b>

## **RESEARCH EXPERIENCE**

- Biologist with 18 years of experience in the identification of small molecules from natural resources against Obesity, Cancer, and Diabetes.
- Guided 37 M. Pharmacy and B. Pharmacy projects.

## **PROJECTS:**

- Completed successfully research grant of 25 lakhs entitled “Discovery of non-carbohydrate selective inhibitors of the galectin-1 for the treatment of cancer” sponsored by DBT, India as a **Co-Investigator**.

## **TECHNICAL EXPERTISE**

- **Cell culture:** Maintenance of primary & established cell lines (macrophage, Fibroblasts, breast, prostate, colon, leukemia, neuroblastoma, Liver, Ovarian and Embryonic kidney cells).
- **Drug screening assays:** High Throughput Screening, MIC determination, Fluorescence assay, Cell proliferation assays, Apoptotic detection assays, Flow cytometry, HPLC.
- **Molecular biology:** Blotting techniques, Nucleic acid isolation, RT-PCR, Expression and purification of recombinant proteins, 2D gel electrophoresis, PCR, Purification by using AKTA Explorer.

## **RESEARCH INTEREST**

- My area of research involves identification of potential NCEs and scientific validation in studying the mechanistic events altered by newly identified NCEs from natural resources for human disease. Also I am interested in target based identification of small molecules from natural sources against obesity and cancer.

## **LIST OF M. PHARM PROJECTS GUIDED**

1. Comparative Analysis of Active pharmaceutical ingredient A Study of USA, CHINA and INDIA. Nandini 2025.
2. Compulsory Licensing—A Comparative Study of Pharmaceuticals Across USA, India And Brazil. Srichakritha 2025
3. Comparative analysis of biosimilar regulations in India, USA and EU. Akshda Patil 2025.
4. Design, Development, and Characterization of a Novel Mucoadhesive Buccal Bilayer Tablet for Systemic Delivery of Simvastatin. Tarun 2025
5. Preparation and evaluation of Effervescent granules containing Erythromycin stearate solid dispersion. Rohini Goud 2024.
6. Preparation and evaluation of ketoconazole nanosuspension using box-bhenken design. Sirisha Bai 2024.
7. Preparation and evaluation of Effervescent granules containing Bilastine solid dispersion. Supriya 2024.
8. Solubility enhancement of Lamotrigine by Liquisolid technique. Priyanka Nayak 2023.
9. Formulation and evaluation of clopidogrel bisulphate oral disintegrating tablets using natural starches as superdintegrants. Battu Akhila 2023.
10. In-vitro and in-vivo assessment of PI3K/mTOR inhibitor paxalisib. Madipelli Keerthana. 2023.

11. Comparison of medical device regulations in USA, INDIA & China. Ramdasi Vaishnavi. 2023.
12. Development and validation of uv spectrophotometric simultaneous equation method for estimation of ketorolac tromethamine and tramadol in combined tablet dosage. B. Varshini. 2022.
13. Simultaneous estimation of ciprofloxacin and dexamethasone in pharmaceutical formulation by UV spectroscopy using Q-absorbance ratio method. Amula Priyanka. 2022.
14. Development and validation of microbiological analytical method for determination of potency of pefloxacin mesylate - Adepu Priyanka. 2022.
15. Formulation and Evaluation of nutraceutical values of rice bran (*Oryza sativa* L) - Akkaladevi Tejaswini. 2021.
16. HPLC method development and validation for related substances in carprofen injection - M. Chandana Reddy 2021.
17. Method development and validation of stability indicating method for determination of related substances of tirofiban hydrochloride infusion by RP-HPLC - Aishwarya Dande – 2021.
18. Stability indicating method development and validation for determination of related substances of cetorelix acetate injection by RP-HPLC. Gummadi Rishitha Reddy-2021.
19. Development of new RP-HPLC method for simultaneous estimation of luliconazole and naproxen sodium in the formulated gel. T. Sree Ramya-2020.
20. Development and Validation of Microbiological Analytical Method for Determination of Potency of Luliconazole cream. Sana Fatima-2020.
21. Simultaneous estimation of Luliconazole and methyl paraben in pharmaceutical formulation by UV spectroscopy using absorption ratio method. K. Sri Vidya-2020.
22. Formulation evaluation development and validation of simultaneous equation method for estimation of vitamin C & vitamin D in multivitamin lipstick. Saranya Reddy-2019.
23. Development and validation of RP-HPLC method for simultaneous estimation of sitagliptin phosphate and metformin hydrochloride in solid dosage form for its dissolution studies. B. Sai Manasa-2019.
24. Determination of pregabalin in human plasma using ultra high performance liquid chromatography with tandem mass spectrometry for bioequivalence studies. M. Vijaya Kranthi-2018
25. Development and validation of spectrophotometric method for the determination of thymol content in different brands of ajwain water. Harshitha Reddy Yeddula, 2018.

26. Determination of Vitamin C in different brands of amla juice by using titrimetric and spectrophotometric methods.- Bhargavi Mokila 2018.
27. Formulation and evaluation of gemcitabine microspheres. Shruthi-2017.
28. Hepatoprotective activity of Grape fruit (Citrus paradise) on Carbon tetrachloride induced acute hepatotoxicity in rats. Sudarshini Kodali, 2016.
29. Protective effect of *Macrotyloma uniflorum* on urethane induced lung cancer in Balb/c mice. Syed Baseeruddin Alvi. 2015.
30. Protective effect of Ranolazine on urethane induced lung cancer in Balb/c mice. Mirza Noor ullah Baig. 2015.
31. Pharmacological evaluation of ethanolic extract of whole plant of *Cassia absus* on 1, 2 - Dimethyl Hydrazine induced colon cancer in mice. Athiya Sulthana. 2014.
32. Effect of Ranolazine on 1, 2 - Dimethyl Hydrazine induced colon cancer in mice. P. Rama Devi. 2014.
33. Combined effect of Curcumin and Naringin in Progesterone induced obesity. Arshia Firdouse. 2013.
34. Synergistic activity of Piperine and Naringin in Progesterone induced obesity in female Albino mice. Mohammad Latif Nazari. 2013.

#### **LIST OF B. PHARM PROJECTS GUIDED**

1. Evaluation of ascorbic acid in amla juice of different brands like Patanjali, Natures best and naturally extracted amla juice. Pallavi Birnali, Navya, Tanveer and Ayesha. 2023.
2. Formulation and evaluation of luliconazole emulgel-antifungal agent. B. Deepika, K. Rakshita, C. Rani. 2020.
3. Evaluation of antibacterial effect of naringenin in combination with ciprofloxacin. Sumathi, Rajasri, Jyothi, Sai Kumar, Arun. 2016.

#### **CONSULTANCY WORK/PROJECT:**

1. Successfully completed Anti-Microbial activity of synthetic compounds Department of Chemistry M. Tirumalachary Professor & Dr. Kiran: PhD Student JNTU in 2016.
2. Successfully completed Anti-Microbial activity of synthetic compounds with Dr. Neelima Budarapu, Assistant Professor University College of Science, Saifabad, Osmania University, Hyderabad 2015.
3. Successfully completed Antimicrobial activity of synthetic compounds of Dr. Reddy's Laboratory, Hyderabad.
4. Successfully completed Antimicrobial activity of synthetic compounds of Dr. Vijaya Lakshmi, Department of Chemistry, Osmania University.

5. Successfully completed Antimicrobial activity of synthetic compounds of Mohd Arifuddin Assistant Professor, Department of Chemistry, NIPER-Hyd, Hyderabad Campus and successfully completed in April 2018.

#### **ACHIEVEMENTS, FELLOWSHIPS AND AWARDS**

1. Elected as “Associate fellow” of Telangana Academy of sciences 2017.
2. First Prize for oral presentation in Innovations in Pharmaceutical Research held at G. Pulla Reddy College of Pharmacy, Hyderabad, 27<sup>th</sup> Dec 2013.
3. First prize for poster presentation in PHARMAX-2K10 held at Mather Teresa College of Pharmacy, Hyderabad.
4. First prize for poster presentation in APTI-2010 National level conference held at Hyderabad.
5. Received Double Diamond Medal from Blue Cross Laboratories for Outstanding performance as Medical Representative during the financial year 2000-2001.

#### **PROFESSIONAL ACTIVITIES**

1. Governing council member at G. Pulla Reddy College of Pharmacy, Hyderabad.
2. Appointed as Examiner for Pharmaceutical Microbiology, Pharmaceutical Biotechnology, Biology, and Biochemistry at Osmania University, Kakatiya University, Palemuru University.
3. Invited as Reviewer for Journal of Food Biochemistry, African Journal of Microbiology Research, Journal of Nutritional Disorders & Therapy, Life Sciences (OMICS), Journal of King Saud University and Pharmaceutical Biology.
4. Acting as Editorial Board member in Asian Journal of Pharmaceutical and Health Sciences.
5. Life Member of Association of Pharmaceutical Teachers of India (A.P.T.I).
6. Instrumental in organizing conferences in G. Pulla Reddy College of Pharmacy as a committee member in different committees.
7. Received Certificate of Appreciation for donating blood from Institute of Transfusion Medicine and Research.
8. Invited as evaluator for Oral Presentations at AU-Pharmacon -2022 held on 22<sup>nd</sup> and 23<sup>rd</sup> July 2022 at Anurag University, School of Pharmacy, Hyderabad, Telangana.
9. Invited as Evaluator for oral Presentations in One Day Seminar on Innovations in Pharmaceutical Research-2016 on 6<sup>th</sup> Feb 2016 at G. Pulla Reddy College of Pharmacy, Hyderabad.
10. Invited as evaluator for Video presentation competition on innovative ideas-working

models on the theme” global science for global wellbeing related to pharmaceutical sciences on the occasion of national science day celebrations.

11. Appointed as observer to Sultan Ul uloom college of Pharmacy and Mesco College of Pharmacy for University B, Pharmacy Semester Exams by Osmania University.
12. Acting as OU Co-ordinator as a part of Administrative responsibilities for the smooth conduct of University Exams and on-line evaluation of papers.

### **PAPERS PRESENTED**

1. Anti-proliferative activity and molecular mechanism of *Pupalia lappacea* on chronic myeloid leukemia (K562) cells- Presented at 12<sup>th</sup> International congress of Ethnopharmacology, Jadhavapur University, February 17-19, 2012 at Kolkata.
2. Anti-cancer activity of methanolic extract of *Cassia absus* seeds in K562 cells, National Conference on Natural Product Research: for Health and Biopharma Industry, Kumara guru College of Technology, Coimbatore, 25<sup>th</sup> Mar 2011.
3. Anti-proliferative activity of *Tecomella undulata* Bark extract, APTI CONVENTION-2010, Hyderabad, 2<sup>nd</sup> Oct 2010.
4. Protective effect of Ranolazine on 1,2 dimethyl hydrazine induced colon cancer in Swiss albino mice. 66<sup>th</sup> Indian Pharmaceutical Congress held at Hyderabad during 23-25 January, 2015. Mr.Syed Baseeruddin Alvi, Ravi Alvala.
5. Targeting multiple proteins involved in cancer by plant polyphenols: In-silico molecular docking studies. 66<sup>th</sup> Indian Pharmaceutical Congress held at Hyderabad during 23-25 January, 2015. Ramya Nuti, Ravi Alvala.
6. Development of pantothenate synthetase inhibitors for *Mycobacterium tuberculosis* infection: design and enzyme inhibition studies. 2<sup>nd</sup> national symposium on Current Trends in Pharmaceutical Sciences, 17<sup>th</sup> Nov, 2012 at BITS-Pilani, Hyderabad Campus, Hyderabad.
7. In-silico design of novel sirt1 inhibitors for targeting benign prostatic hyperplasia. Conference on “Recent Advances in Computational Drug Design (RACDD)” held at IISc, Bangalore on 16-17<sup>th</sup> Sep 2013. Mallika Alvala, Ravi Alvala.
8. Anti-obesity effect of novel SIRT1 activator: In-vitro and In-Vivo studies. 2<sup>nd</sup> national symposium on Current Trends in Pharmaceutical Sciences, 17<sup>th</sup> Nov, 2012 at BITS-Pilani, Hyderabad Campus, Hyderabad.
9. Development of homology model and docking studies of *Mycobacterium tuberculosis* sirtuin protein (Rv1151c), Med Chem 2011 Congress, ICT, Hyderabad, 26<sup>th</sup> Feb 2011.
10. *In vitro* anticancer activity of *Abutilon indicum* leaves on U-87 MG, a brain tumor cell

line. XXXXIV Annual Conference of Indian Pharmacological Society, IPS, INDIA. 19<sup>th</sup> Dec 2011.

11. Targeting P53 for novel Anti-cancer therapy PHARMAX-2K10 held at Mother Teresa College of Pharmacy Ghatkesar. 16<sup>th</sup> Nov 2010.

**CONFERENCES/ TRAINING/WORK SHOPS ATTENDED:**

1. Attended 5 day e-FDP program on “Next Gen Analytical approaches for quality drug development” conducted by Department of Pharmaceutical Analysis in association with IQAC, Sir C R Reddy college of Pharmaceutical sciences from 19<sup>th</sup> to 23<sup>rd</sup> Aug 2025.
2. Attended 7 day e-FDP program on TRANSFORMATIVE APPROACHES IN SUSTAINABLE PHARMACEUTICAL INNOVATION: BRIDGING SCIENCE, INDUSTRY, REGULATION & PUBLIC HEALTH Organized by Chettinad School of Pharmaceutical Sciences from 28th July to 1st August 2025.
3. Attended 7 day e-FDP program on “Pharma Pinnacle: Elevating Faculty Expertise in Pharmaceutical Sciences” organized by the School of Pharmacy, Vishwakarma University, Pune, from 11 December 2023 to 17 December 2023.
4. Attended One Day Seminar on Innovations in Pharmaceutical Research and Poster Presentations- 2018 on 24<sup>th</sup> December 2022 at G. Pulla Reddy College of Pharmacy, Hyderabad.
5. Attended National webinar on Clinical trials and regulatory affairs-Paradigm shift and prospects held on 12<sup>th</sup> March 2021 organized by Dept of Pharmacy Practice. Sri Padmavathi School of Pharmacy, Thiruchanoor, A.P.
6. Attended One week e-Faculty Development Program, on Research Updates in Pharmaceutical Formulation & Analytical Method Development organized by Department of Pharmaceutics & Pharmaceutical Analysis, G. Pulla Reddy College of Pharmacy, Mehdipatnam, Hyderabad, in association with Indian Pharmaceutical Association - Telangana branch from 8<sup>th</sup> – 13<sup>th</sup> JULY 2020.
7. Attended 5 day e-FDP program on “Building Research and Innovative Culture among Pharmacy Teachers” from 18<sup>th</sup> to 22<sup>nd</sup> May 2020 organized by Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune in association with APTI.
8. Attended two week e-FDP program on “Pedagogy and Challenges in Pharmaceutical Research” from 1<sup>st</sup> June to 12<sup>th</sup> June 2020 organized by Maharaja College of Pharmacy, Phool Baugh, Vizianagaram, Andhra Pradesh, India.
9. Attended AICTE sponsored QIP-STC workshop on ‘Research Communication’ from 2<sup>nd</sup>

- Dec to 6<sup>th</sup> Dec 2019 organized by Dept of Humanistic studies, IIT-BHU, Varanasi.
10. Attended National Conference Emerging Trends in Chemical Sciences organized by Department of Chemistry and chemical sciences, Central University of jammu held from 14<sup>th</sup> to 15<sup>th</sup> March 2019.
  11. Attended International Conference on Herbal Medicines: Research and Commerce – Global Perspectives from 27<sup>th</sup> to 28<sup>th</sup> December 2018 organized by L. M College of Pharmacy Ahmedabad.
  12. Attended Intellectual Property workshop on Patent search and Analysis under MSME-IPFC project of Govt of India on 18<sup>th</sup> Dec 2018.
  13. Attended seminar on Innovative software for molecular Discovery and Design on 22<sup>nd</sup> Nov 2018 organized by CRESSET software at IICT Hyderabad.
  14. One Day Seminar on Innovations in Pharmaceutical Research and Poster Presentations- 2018 on 25<sup>th</sup> Sep 2018 at G. Pulla Reddy College of Pharmacy, Hyderabad on 25<sup>th</sup> September 2018 at G. Pulla Reddy College of Pharmacy, Hyderabad.
  15. Attended BIOASIA-2018 in Novotel, HITEX, Hyderabad on 22<sup>nd</sup> to 24<sup>th</sup> Feb 2018.
  16. Attended One Day Seminar on Innovations in Pharmaceutical Research and Poster Presentations- 2018 on 6<sup>th</sup> Feb 2016 at G. Pulla Reddy College of Pharmacy, Hyderabad.
  17. Attended workshop on Purification and Biochemical characterization of recombinant protein organized by Central facilities for Research and Development , Osmania University, Hyderabad, from 9<sup>th</sup> to 10<sup>th</sup> Nov 2016.
  18. Participated in Pharmacist day celebrations organized by The Indian Pharmaceutical Association, Telangana State Branch at G. Pulla Reddy College of Pharmacy.
  19. Attended International conference and workshop on Structure based Drug design and Applications to Infectious diseases from 1<sup>st</sup> to 5<sup>th</sup> Feb 2016 organized by University of Hyderabad and IIIT, Hyderabad.
  20. Attended UGC sponsored National conference on Analytics of population statistics and its role in public welfare policies on 21<sup>st</sup> Aug 2015 organized by Dept of Statistics St Ann's College for Women Hyderabad.
  21. Attended Workshop on Role of Pharma in Health Care conducted by Administrative Staff College of India, Hyderabad on 9<sup>th</sup> April 2015.
  22. One Day Seminar on Innovations in Pharmaceutical Research on 27<sup>th</sup> Dec 2013 at G. Pulla Reddy College of Pharmacy, Hyderabad.
  23. Attended a workshop on Molecular Modeling and Drug Design, Jointly organized by Department of Pharmacy and Schrodinger, LLC on 18<sup>th</sup> Nov 2012 at BITS-Pilani, Hyderabad campus.

24. Participated in 2<sup>nd</sup> National Symposium on Current Trends in Pharmaceutical Sciences (CTPS-2012) organized by Department of Pharmacy BITS-Pilani, Hyderabad campus on 17<sup>th</sup> Nov 2012.
25. Participated in Faculty Development Programme conducted by Shiva Sivani Institute of Management on 19-10-2012.
26. Attended 12<sup>th</sup> International Congress of Ethnopharmacology held at Science City, Kolkata from 17-19, 2012.
27. Participated in Symposium on Current Trends in Pharmaceutical Sciences (CTPS-2011) organized by Department of Pharmacy on 12<sup>th</sup> Nov 2011 at BITS-Pilani Hyderabad Campus.
28. Attended National Conference on Natural Product Research for Health Care and Bio-Pharma Industry organized by Kumarguru College of Technology, Coimbatore held on 25<sup>th</sup> and 26<sup>th</sup> Mar 2011.
29. Attended 15<sup>th</sup> National Convention of APTI at Shilpakala Vedika, Hyderabad on 2-3<sup>rd</sup> Nov 2010.
30. Attended National Seminar on Recent Advances in Pharmaceutical Research at G. Pulla Reddy College of Pharmacy on 9<sup>th</sup> and 10<sup>th</sup> Oct 2009.
31. Quality Improvement Program on Advanced Techniques in Experimental Pharmacology organized by JSS College of Pharmacy Ootacamund, Tamilnadu from Mar 30 – April 6 2007.
32. One day seminar on Pharmaceutical Education- Challenges and opportunities organized by APTI, A.P. State branch at G. Pulla Reddy College of Pharmacy on 17<sup>th</sup> July 2006.
33. Attended PHARMAX-2K10, held at Mather Teresa College of Pharmacy, Hyderabad.
34. Attended one day workshop on TEACHING SKILLS organized by APTI, A.P. State at Bharat Institute of Pharmacy on 9-9-2005.
35. Under gone Training in production and quality control of Rabies Vaccine and DTP group at Pasteur Institute, Coonoor, Nilgiris, from 5-7-2004 to 9-7-2004.
36. Attended 55<sup>th</sup> IPC at Chennai on Dec 19, 20, 21<sup>th</sup> 2003.
37. State level seminar on Emerging Trends in Microbiology: Organized by Sri Rama Krishna College of Arts and Sciences, Coimbatore on Mar 6<sup>th</sup> 2003.
38. Second PSG Tech Symposium in Biosciences: Organized by PSG college of Technology, Coimbatore, on Feb 14-15, 2003.

## PUBLICATIONS

### BOOK CHAPTERS

1. **Dr. A. Ravi Kiran\***, Dr. B. Madhava Reddy, Ms. K Sai Vineela, Ms. KVS Sushumna, Mr. K. Gourinadh, Mr. D. Rajesh Reddy. “UPDATED REVIEW OF NATURAL PLANTS FOR THE PREVENTION AND MANAGEMENT OF KIDNEY STONES (2019 TO TILL DATE)”, Book Name: Ayurvedic remedies for Kidney diseases published by Academic Decipher Press. First Edition Sep 2022, 9-23. ISBN: 978-81-956220-1-6,
2. Ravi Alvala, Rebbaniboni Nandini, Bommoredy Eshalekhya, Penta Surya Prabhas. AI-driven computational fluid dynamics: A paradigm shift in precision nasal drug delivery systems. Academic Decipher Press. *Accepted*.

### REVIEW ARTICLES

2. M. Jyoshna Rani, Sedam Sai Madhuri, Sai Vineela, **Ravi Alvala\***, In-vitro, In-vivo, Computational toxicology screening models in drug discovery. Asian Journal of pharmaceutical and health Sciences. 2024. 14(1), 2927-2939.
3. Nazia Zareen, Sama Venkatesh, VV Basava Rao, **Ravi Alvala** (2023). A comprehensive Review of *Olax scandens* Roxb. (Dheniaani), *Pharmacognosy Reviews* 17(33):154-160.
4. Aaftaab Sethi, Swetha Sanam, **Ravi Alvala**, Mallika Alvala. An updated patent review of galectin-1 and galectin-3 inhibitors and their potential therapeutic applications (2016–present). *Expert Opinion on Therapeutic Patents*. Volume 31, 2021 - Issue 8. Impact Factor 6.6
5. Aleem Ullah A, Owaisuddin M, Bolleddu R, Venkatesh S, **A Ravi Kiran**, (2021) Garlic (*Allium sativum* L) – A Promising Anti-cancer Drug, *Asian Journal of Pharmaceutical Research and Development*. 9(3):154-159.
6. Goud NS, Soukya PSL, Ghouse M, Komal D, **Alvala Ravi**, Alvala M. (2019) Human Galectin-1 and its inhibitors: Privileged target for cancer and HIV. *Mini Reviews in Medicinal Chemistry*. 19(16):1369-1378. (Impact Factor: 2.5).
7. Nuti R, Goud S, Saraswati AP, **Alvala Ravi**, Alvala M. (2017) Antimicrobial Peptides: A Promising Therapeutic Strategy in Tackling Antimicrobial Resistance. *Current medicinal chemistry*. Impact Factor : 4.1
8. **Alvala Ravi\***, Mallika Alvala, Ramya Nuti, Malasala Satyaveni, Jageshwari Sahu, Srinivas Bandaru, (2014) Overview Of Mycobacterium Tuberculosis Chorismate Mutase: A Potential Target, *Current Trends in Pharmaceutical Sciences*. 2, 2-3, 55-63.

### RESEARCH ARTICLES

9. Jagruti Peddapaka, Aayesha Nasreen, Tulja Sanam, Mahammad Ghouse Shaik, Baijayantimala Swain, Shweta Sanwer, Ravi Alvala, Mohammed Arifuddin, Sridhar Goud Nerella. Facile synthesis, antimicrobial activity, and molecular docking analysis of 8-hydroxyquinoline-4-thiazolidinone hybrids (2025). *Future Medicinal Chemistry*, 17, 4, 435-447.
10. Shweta Sanwer, Aayesha Nasreen, Baijayantimala Swain, Jagruti Peddapaka, Ravi Alvala, Mohammed Arifuddin. Synthesis and antimicrobial evaluation of novel 8-hydroxyquinoline containing benzimidazole hybrids. *Discover Chemistry*. 2(1), 17.
11. Sridhar Goud Nerella, Ravi Alvala, Arunasree MKc, Mallika Alvala Design, synthesis of novel coumarin-benzimidazole hybrids as human Gal-1 inhibitors, *Future Medicinal Chemistry*, Feb 2024. 16(9) 843-857. Impact Factor 3.8.
12. Zareen Nazia, Venkatesh Sama, Bolleddu Rajesh, Rao Basava VV, **Ravi Alvala** (2023). Pharmacognostical and phytochemical investigation of *Olax scandens* Roxb. (Dheniaani) stem, stem bark, root and leaf, *Aryavidyan*, 36(1):29-42.
13. Aaftaab Sethi, Sharon Munagalasetty, Mohammed Arifuddin, Simone Carradori, Claudiu T Supuran, **Ravi Alvala**, Mallika Alvala (2023). Coumarin and Piperazine Conjugates as Selective Inhibitors of the Tumor-associated Carbonic Anhydrase IX and XII Isoforms. *Anti-Cancer Agents in Medicinal Chemistry*. Vol 23 (10) 1184-1191. Impact Factor 2.8
14. Venkatesh S, Bolleddu R, Shivani Y, **Kiran RA**, Zareen N. Pharmacognostical, phytochemical, in vitro hypoglycemic studies of Avartani (*Helicteres isora* L.) root and fruit extracts. *J Ayurveda*.
15. KM Chandra, NS Goud, M Arifuddin, M **Alvala**, **R Alvala**, A Angeli. (2021). Synthesis and biological evaluation of novel 4, 7-disubstituted coumarins as selective tumor-associated carbonic anhydrase IX and XII inhibitors. *Bioorganic & Medicinal Chemistry Letters* 1:39, 127877.
16. Nishat Ara, Thaiseen Sultana, Rajesh Bolleddu, Sama Venkatesh, **Ravi Kiran** (2021). A Strategy to Enhance Bioavailability of Drug Candidates: Natural Bioenhancers, *International Journal of Pharmaceutical and Bio-Medical Science*, 1(1):10-14.
17. Sana Fathima, Yenumula Padmavathi, Ancha Divya, Nayaka Raghavendra Babu, and **Ravi Alvala**. (2021) Development and Validation of Microbiological Analytical Method for Determination of Potency of Luliconazole Cream. *Asian Journal of Pharmaceutical and Health Sciences*, 10, 4, 2408-2414.
18. Nerella Sridhar Goud, Venkatesh Pooladanda, K Muni Chandra, PS Lakshmi Soukya, **Ravi Alvala**, Pardeep Kumar, Chandana Nagaraj, Rose Dawn Bharath, Insaf A Qureshi, Chandraiah Godugu, Mallika Alvala. (2020) Synthesis, <sup>18</sup>F-radiolabeling & galectin-1

- inhibition studies of 4, 7-disubstituted coumarins. *Bioorganic Chemistry*, Vol 102. 104-125.
19. T. Sree Ramya, Y. Padmavathi, Venkatesh Sama, Mallika Alvala, **Ravi Alvala**. (2020) Development of new RP-HPLC method for simultaneous estimation of luliconazole and naproxen sodium in the formulated gel. *Journal Pharmaceutical and Health Sciences*. Vol-10 |Issue-3.
  20. Y Padmavathi, **RK Alvala**, G Srinitha, NR Babu, S Fathima, A Divya. (2020) Development and validation of new microbiological analytical method for analysis of Gemifloxacin mesylate in pharmaceutical formulation. *Asian Journal of Pharmaceutical and Health Sciences*. Vol-10 Issue 3.
  21. Mirza Noor ullah Baig, Syed Baseeruddin Alvi, Mallika Alvala, Venkatesh Sama, Yenumula Padmavathi, Ramadevi. P, **Ravi Alvala\***. (2020) Ranolazine as a protective agent against Lung Cancer: A translational approach. *Journal Pharmaceutical and Health Sciences*. Vol-10 Issue-1
  22. Saranya Reddy.D, Y. Padmavathi, Venkatesh Sama, Mallika Alvala, **Ravi Alvala\***. (2020) Formulation evaluation development and validation of simultaneous equation method for estimation of vitamin C and vitamin D in multivitamin lipstick. *Journal Pharmaceutical and Health Sciences*. Vol-10 |Issue-2.
  23. Y Padmavathi, **Ravi Alvala**, Jaya Sravani Garige, N Raghavendra Babu, Elluri Soumya. (2020) Simultaneous estimation of Tenofovir disoproxil fumarate, Efavirenz and Lamivudine in fixed dose combination tablets by ultraviolet spectrophotometry in multicomponent mode and its application in rat plasma. *Asian Journal Pharmaceutical and Health Sciences*. Vol-10 Issue-2.
  24. Venkatesh Sama, Balaraju Pagilla, Rajeswari Chiluka, **Ravi Alvala**, Ravi Kumar Pola, Ramesh Mullangi. (2019) Bio enhancing effects of naringin on atorvastatin. *ADMET & DMPK*, 7(3):174-182.
  25. Ramadevi Pemmireddy, **Ravi kiran Alvala\***, Venkatesh Sama, Aparna Sriramoju. (2019) Effect of Ranolazine on 1, 2 - Dimethyl hydrazine induced colon cancer in mice. *Asian Journal of Pharmacy and Pharmacology*. 5(6): 1183-1190.
  26. Nerella Sridhar Goud, Venkatesh Pooladanda, S Ghouse Mahammad, Pranay Jakkula, Santhosh Gatreddi, Insaf A Qureshi, **Ravi Alvala**, Chandraiah Godugu, Mallika Alvala. (2019) Synthesis and Biological evaluation of morpholines linked coumarin-triazole hybrids as anticancer agents. *Chemical Biology and Drug Design*. (94)5. 1919-1929 (Impact Factor: 2.256)
  27. Goud NS, Ghouse SM, Vishnu J, Komal D, Talla V, **Alvala Ravi**. (2019) Synthesis of 1-

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I hereby declare that the above stated particulars are true to the best of my knowledge & belief.

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