

## Dr P Ramalingam, M. Pharm., Ph D

Associate Professor & Head i/c

Department of Pharmaceutical Analysis

National Institute of Pharmaceutical Education and Research (NIPER) - HAJIPUR  
Hajipur, Export Promotional Industrial Park, Vishali Dt, Bihar – 844102 (India)

[drram@niperhajipur.ac.in](mailto:drram@niperhajipur.ac.in)

[drramalingamp@gmail.com](mailto:drramalingamp@gmail.com)

+91-9581294478 (India)

Date of Joining to the current position: 18<sup>th</sup> Oct' 2021

\*\*\*



### Educational Qualifications

2011: *Doctor of Philosophy (PhD)* in Pharmaceutical Sciences (Faculty of Pharmaceutical Sciences, Andhra University, Visakhapatnam - 530003, India); *PhD Thesis: Chemical synthesis, QSAR and anti-TB screening.*

2003: *Master of Pharmacy (M.Pharm)* in Pharmaceutical Chemistry (College of Pharmacy, SRIPMS, Coimbatore - The Tamil Nadu Dr.M.G.R Medical University, India).

2000: *Bachelor of Pharmacy (B.Pharm)* (RVS college of Pharmaceutical sciences, Coimbatore- The Tamil Nadu Dr. MGR Medical University, India)

2019: CMI Level 5 Course in Management and Leadership (AICTE-UKIERI Scheme 2019 by Chattered Management Institute, UK).

### Academic Merit

- GATE 2001 qualified (National level entrance test conducted by MHRD, Govt. of India)
- Ranked at 1<sup>st</sup> Place during Master of Pharmacy (Year 2003).

### Research Area

- SBDD/Chemical synthesis and biological evaluation (Anti-TB & Cancer)
- Mass spectrometry based proteomics, metabolomics, and PTMs in drug & marker discovery
- Drug stability/Stability Indicating Assay/Genotoxicity profiling of pharmaceutical impurities.
- Phytochemistry and Standardization of Phyto-formulation
- ICHQ14/AQbD /QSRR/Chemometrics in analytical method development using HPLC, LC-MS/MS, GC-MS/MS and LC-ICP-MS (speciation analysis) methods

### Awards & Recognitions

- University Best Teacher Award 2021 by JNT University Anantapur, Andhra Pradesh.
- Research Award : BIRAC – GYTI Appreciation awardee 2016 (DBT, Govt. of India; Rs. 1.00 Lakh).
- Qualified in GATE 2001.
- Fellow inspector of NGCMA-GLP inspection team to OECD-GLP facilities.
- Past President of IPA-Local branch (Anantapur) and received National award in 2019. (Best Local Branch)
- Best Teacher award 2016 by Indian Pharmaceutical Association (IPA) - Anantapur Branch, India.
- Evaluator for National Board of Accreditation visits by NBA Nodal Centre, JNT University Anantapur, India.
- Central Council Member – IPA Education Division (2017-2020).
- CCSEA Nominee, CCSEA, Govt. of India (2016 to till date).

- Received Certificate of Appreciation from Govt. of Andhra Pradesh, India for being coordinator of Online GPAT classes for Pharmacy student organized by Dept. of Higher Education, Govt. of Andhra Pradesh.
- Enlisted Medicinal chemist in Anti-tubercular drug discovery, Supported by TAACF – US National Institute of Allergy and Infectious disease (NIAID), 2006-2009, ID: 1981.
- Member BoS, JNT University Anantapur (2016-2018), Sri Krishna University Andhra Pradesh (2022-till date).
- Visiting faculty-UGC vsiting professor scheme to Acahraya Nagarjuna University, AP (2013 to 2027).
- Doctoral Advisory Committee member and recognized research supervisor of JNTUA, MAHE, JSSAHE.
- Scirntific service committee member – LOC of Indian Pharmaceutical Congress 2016

## Experience

**Current position:** Associate Professor and Head i/c of Dept. Pharmaceutical Analysis at National Institute of Pharmaceutical Education and Research (NIPER)-HAJIPUR, Bihar from 18th Oct' 2021 to till date.

### Previous Experience:

- *Professor of Pharmaceutical Analysis & Director (R&D Division)*, Raghavendra Institute of Pharmaceutical Education and Research (RIPER) - Autonomous, AP, India (Feb 2016 to Oct 2021)
- *Asst. Professor of Medicinal Chemistry*, College of Pharmacy, Gulf Medical University, UAE (Feb 2014 to Feb 2016 on sabbatical leave)
- *Asso. Professor & Head*, Dept. of Pharmaceutical Analysis & Chemistry, Raghavendra Institute of Pharmaceutical Education and Research (RIPER), AP, India (May 2009 to Feb 2014)
- *Associate Professor in Pharmaceutical Chemistry*, Siddharth institute of Pharmacy, Guntur, AP, India (Sep 2007 to May 2009).
- *Assistant Professor in Pharmaceutical Chemistry*, Hindu College of Pharmacy, Guntur, AP, India (Feb 2006 to Sep 2007).
- *Assistant Professor in Pharmaceutical Chemistry*, Bapatla College of Pharmacy, Bapatla, AP, India (Mar 2003 to Jan 2006).

### Administrative positions at Current position

- Dean, NIPER-Hajipur, (Since Sep' 2024 to present)
- Head of the Department, Dept. Pharmaceutical Analysis, NIPER-Hajipur (2021-till date)
- Member, Boarder of Governors, NIPER-Hajipur (2022-till date)
- Deputy Registrar, NIPER-Hajipur (2022-2025)
- Member, Academic Senate, NIPER-Hajipur (2022-till date)
- Chairman, Placement and Training cell, NIPER-Hajipur (2021-2025)
- Member, LBSWC, NIPER-Hajipur (2024-till date)
- Member, APDC, NIPER-Hajipur (2021-till date)
- Chairman, NIRF Committee, NIPER-Hajipur (2021-till date)
- Chairman, Enterpreneurship & Equity cell (2022-till date)
- Nodal officer (Waste disposal, Litigation issues, Labour), NIPER-Hajipur (2022 to till date)

## Patents

- Indian Patent: A process of preparation of olmesartan medoximil and telmisartan nanosuspensions (Indian Patent; **419468; Granted**)
- Efficacy enhancement of quinone molecules in combination with isoniazid and rifampicin – Indian patent (202141033473 dated 26-07-2021; Published).
- Indian Patent: Antitubercular drugs and 4-oxoazetidines combination for the treatment of multidrug-resistant tuberculosis (**Granted: 507052**)
- Novel method for detection and quantification of n-nitroso compounds contaminants ( 202331019501 filed on March 21, 2023)

### Research grants received

- *Principle Investigator:* “In vitro and in vivo evaluation of liposome encapsulated mycobacteriophages D29 and TM4 as therapeutic candidates against Mycobacterium tuberculosis (“IIRPSG-2024-01-01066), ICMR Extramural grant (2025-2028), 1.3 crore.
- *Principle Investigator:* Potency optimization of 4-oxoazetidines scaffolds as dual specific polyphosphate kinase inhibitors for Multi-drug resistant tuberculosis (**EM/Dev/SG/210/5331/2023**), funded by ICMR (2024-2027), 47.5 Lakhs.
- *Principal investigator:* Molecular manipulation and hybrid strategy in development of Cytocrome bc1 inhibitors for MDR/XDR-TB, DST-SERB 2017, 42.34 lakhs (EMR/2017/004394, Principal investigator), In collaboration with National Institute of research in tuberculosis (NIRT, WHO recognized centre), Chennai- 2017-2020.
- *Principal investigator:* Design of Novel PPK2 inhibitors as adjuvants to current antitubercular drugs: Advancing Host directed therapy for MDR/XDR-TB (*8-73/RIFD/RPS/Policy-1/2016-17*) Funded by AICTE, Govt. of India, (Rs. 16.47 Lakhs, Under Research Promotion Scheme 2016-2018).
- *Principal investigator:* To Study the effectiveness of mixture latex in animal models for Arthritis/joint pain, funded by BIRAC-SRISTI, (BIRAC SRISTI PMU-2016/0012, Rs. 1 Lakhs as Award; year 2016)
- *CO-PI:* Development of Natural and Semi-synthetic molecule and their formulation in Tuberculosis funded by AICTE-RPS scheme 2012, Govt. of India, (Rs. 10.6 Lakhs, Under Research Promotion Scheme 2012-2014).
- *Project Coordinator:* Funded by DST-FIST 2017 (SR/FST/College-004/2017; 45 Lakhs), Govt. of India.

### Consultancy Projects completed

- Development of ICP-MS methods and detection of Arsenic in clinical samples (Mahavir Cancer Santhan Hospital, Patna)
- Development of ICP-MS methods and detection of Uranium in clinical samples (Mahavir Cancer Santhan Hospital, Patna)
- Development of stability indicating assay for selected API in generic product development. Walksman Selman Pharmaceutical Pvt. Ltd ((PGHF/2746-00255) ; 15.0 Lakhs (As analytical scientist).

- Member, Banana Waste Management project – Pharmaceutical product development – Atal incubation Center – SK University, Anantapur, AP.

#### **Grant received for Conference / Faculty training/Travel**

- Conference grant on “Recent Advances in Drug Discovery against Drug Resistant Diseases” (*Rupees. 5 lakhs; Grant i.d AICTE/1-462441812*).
- Faculty development programme *AICTE -ATAL* scheme, Govt. of India on the title “Pedagogue capacity building for excellence in Higher Education” (8<sup>th</sup> Jule to 12<sup>th</sup> July 2021).
- Travel grant from CSIR, Govt. of India, (PFA/2454/18-HRD dated 04 Dec 2018)

#### **Books /Chapters/Technical reports authored**

- Text Book: 1 (Application of Spectral studies in Pharmaceutical Product development”(Basics approach with illustrated examples; ISBN-13 978-9388305853; BSP Books Publishers, India)
- Book Chapters (AQbD) : 4 (03 in Elsevier)

#### **Research Supervision**

PhD guided + Guiding	:	04+09
PG Guided	:	90
Events organized	:	18 (Convener/Co-convener)
Resource personship	:	35 (AICTE/UGC/PCI funded events)

#### **Editorship /Membership**

- Founder Editor, *i-care e-news bulletin* (Official bulletin of SEARPharm Forum)
- Associate Editor – RIPER –PDIC Bulletin.

#### **Membership in Profession bodies**

- Proteomics Society of India (PSI) – Registration number-588 (Year 2022)
- Life member of Indian Pharmaceutical Association
- Life member of All India Pharmaceutical Teachers Association (TN/LM-662)
- Life member of ISPOR

#### **Key Paper Publications**

- Naresh P, Roy SD, Pawaskar PV, Gajbiye RL, Peraman R. Analytical quality by design guided white analytical chemistry driven green in the development of LC-ICP-MS method for arsenic speciation analysis in HEK-293 cells. *Journal of Chromatography B*. 2025 Jan 16:124474.
- Chilamakuru, N. B., Vn, A. D., Pallaprolu, N., Dande, A., Nair, D., Pemmadi, R. V., & Peraman, R. New synergistic benzoquinone scaffolds as inhibitors of mycobacterial cytochrome bc1 complex to treat multi-drug resistant tuberculosis. *European Journal of Medicinal Chemistry*, 2024, 272, 116479.
- Jain R, Aishwarya D, Wankhade S, Anupriya, Kumarasamy M, Peraman R. Identification and in vitro genotoxicity assessment of forced degradation products of glimepiride and glyburide using HEK cell-based COMET assay. *Biomedical Chromatography*. 2024 Dec;38(12):e6025.
- Nikhil P, Aishwarya D, Dhingra S, Pandey K, Ravichandiran V, Peraman R. Comparative analysis of plasma affinity depletion methods: Impact on protein composition and phosphopeptide abundance in human plasma. *Electrophoresis*. 2024.

- Aishwarya, D., Nikhil, P., Natesan, S., Velayutham, R. and Peraman, R. Development and validation of high-performance liquid chromatography-Orbitrap mass spectrometric method for quantification of NDMA in ranitidine drug products and evaluation of antioxidants as inhibitors of classical nitrosation reaction. *Rapid Communications in Mass Spectrometry*, 2024, 38(11), p.e9747.
- Wankhade S, Nikhil P, Jain R, Mishra S, Kumarasamy M, Ramalingam P. Forced Degradation Products of Olmesartan Medoxomil and their In Vitro Genotoxicity Assessment by Comet Assay using HEK Cells. *ChemistrySelect*. 2024 May 3;9(17):e202400221.
- Rohith Chandra K, Naresh P, Kotesk K, Sirisha K, Kumar GT, Peraman R, Arun KP. A reliable liquid chromatography-quadrupole time-of-flight mass spectrometry method for quantitation of teriflunomide, a metabolite of leflunomide in human plasma of rheumatoid arthritis patients. *Analytical Chemistry Letters*. 2024 Nov 1;14(6):862-80.
- Bhargav E, Mohammed N, Singh UN, Ramalingam P, Challa RR, Vallamkonda B, Ahmad SF, Dsnbk P, Pasala PK, Rudrapal M. A central composite design-based targeted quercetin nanoliposomal formulation: Optimization and cytotoxic studies on MCF-7 breast cancer cell lines. *Heliyon*. 2024 Sep 15;10(17).
- Bisht P, Prasad SR, Choudhary K, Pandey R, Aishwarya D, Aravind V, Ramalingam P, Velayutham R, Kumar N. Naringin and temozolomide combination suppressed the growth of glioblastoma cells by promoting cell apoptosis: network pharmacology, in-vitro assays and metabolomics based study. *Frontiers in Pharmacology*. 2024 Jul 30;15:1431085.
- Jagdale, Rushikant, Mohammad Zahid Hussain, Koushik Goswami, Ramalingam Peraman, and Anupam Jana. "Guanidine Hydrochloride (GuHCl) Catalysed Microwave-Mediated Solvent-and Metal-Free Synthesis of Pyrimido [1, 2-a] benzimidazole from Aryl Aldehyde and Aryl Methyl Ketone." *Green Chemistry*, 2024.
- Pawar R, Naresh P, Kalva B, Kumar MR, Ravichandiran V, Ramalingam P. Analytical quality by design approach for the development of high-performance liquid chromatography method for simultaneous analysis of metformin and sitagliptin in the presence of major degradation products. *Journal of Separation Science*. 2024 Mar;47(5):2300605.
- Vinod A, Chandra Mouli HM, Jana A, Peraman R. Unlocking therapeutic potential: exploring indole scaffolds and their structural insights as pharmacophores in designing anti-breast cancer agents. *Medicinal Chemistry Research*. 2024 Jun 12:1-33.
- Sathuluri K, Bakam R, Jain R, Dande A, Gajbhiye R, Ravichandiran V, Peraman R. Analytical quality by design (AQbD) in the ICHQ14 guidelines for analytical procedure development. *Accreditation and Quality Assurance*. 2024 May 13:1-4.
- Saravanan V, Chagaleti BK, Narayanan PL, Anandan VB, Manoharan H, Anjana GV, Peraman R, Namasivayam SK, Kavisri M, Arockiaraj J, Muthu Kumaradoss K. Discovery and development of COVID-19 vaccine from laboratory to clinic. *Chemical Biology & Drug Design*. 2024 Jan;103(1):e14383.
- Yellurkar ML, Prasanna VS, Das P, Sarkar S, Matta R, Dhaked DK, Peraman R, Taraphdar AK, Nanjappan SK, Velayutham R, Arumugam S. Indigenous wisdom of a Kwatha to treat NASH: An insight into the mechanism. *Journal of Ethnopharmacology*. 2024 May 23;326:117935.
- Rajendran, K., Chekraverthy, B.K., Peraman, R., Kumar, H., Devendran, R.S., Kaggwa, B. and Nagappan, K., 2024. Biochemical assessment of spironolactone oral suspension in human plasma using ultra-performance liquid chromatography-tandem mass spectrometry: Application toward pharmacokinetic study. *Separation Science Plus*, 7(3), p.2300174.
- Rajput, K., Dhiman, S., Veni, N. K., Ravichandiran, V., Ramalingam Peraman. (2023). Support Vector Models-Based Quantitative Structure–Retention Relationship (QSRR) in the Development and Validation of RP-HPLC Method for Multi-component Analysis of Anti-diabetic Drugs. *Chromatographia*, 1-14.
- Malarvannan, M., Kumar, K. V., Reddy, Y. P., Nikhil, P., Aishwarya, D., Ravichandiran, V., & Ramalingam, P. (2023). Assessment of computational approaches in the prediction of spectrogram and chromatogram behaviours of analytes in pharmaceutical analysis: assessment review. *Future Journal of Pharmaceutical Sciences*, 9(1), 86.
- Rajavardhana, T., Koushik, M. R., Jayakumar, C., Ramalingam, P., Geethavani, M., Kumar, M. A., & Rajanandh, M. G. (2023). Adherence to treatment on a daily-dose regimen for TB. *The International Journal of Tuberculosis and Lung Disease*, 27(10), 778.



- Abdelaziz, M. A. A., Nelson, V. K., Kumarasamy, M., & Peraman, R. (2023). Anticancer effect of polyphenolic acid enriched fractions from *Grewia bracteata* Roth on tumor cells and their p53 gene independent ROS mediated apoptosis in colon cancer cells. *Toxicol*, 233, 107243.
- Bhargav, E., Koteswara, K. B., Reddy, Y. P., Sowmya, C., & Ramalingam, P. (2023). Development of Curcumin nanophytosomes surface functionalized with Chondroitin sulfate-A for treating k1 Plasmodium falciparum drug-resistant malaria. *Journal of Drug Delivery Science and Technology*, 87, 104788.
- Mouli, H. C., Vinod, A., Kumari, S., Tiwari, A. K., Kathiravan, M. K., & Peraman, R. (2023). Deuterated driven new chemical entities: An optimistic way to improve therapeutic efficacy. *Bioorganic Chemistry*, 106490.
- Abdelaziz, M. A. A., Sahu, A., & Peraman, R. (2023). Pentacyclic triterpenoids from the stem of *Grewia bracteata* Roth demonstrate promising inhibition on tumour cells. *Natural Product Research*, 1-5.
- Nirmal, C. R., Rajadas, S. E., Balasubramanian, M., Magdaline, D., Chilamakuru, N. B., Dinesh, R., ... & Dusthacker, V. A. (2023). Dodecanoic acid & palmitic acid disarms rifampicin resistance by putatively targeting mycobacterial efflux pump Rv1218c. *Indian Journal of Medical Research*, 157(2&3), 192-203.
- Karthika, A., Gullapalli, K., Nagappan, K., Raghavan, A. K., & Peraman, R. (2023). Optimization of ultrasonication-assisted extraction conditions using RSM-I-Optimal experimental design to recover vitamin D2 and K1 from selected green leafy vegetable samples. *Journal of Food Measurement and Characterization*, 17(1), 944-955
- Nirmal, C. R., Rajadas, S. E., Balasubramanian, M., Mohanvel, S. K., Aathi, M. S., Munishankar, S., ... & Dusthacker, A. (2023). Myoinositol and methyl stearate increases rifampicin susceptibility among drug-resistant Mycobacterium tuberculosis expressing Rv1819c. *Chemical Biology & Drug Design*, 101(4), 883-895.
- Karthika, A., Gullapalli, K., Nagappan, K., Dronavajjula, M., Anilakumar, K. R., & Peraman, R. (2023). Response Surface Methodology Assisted Ultraperformance Liquid Chromatographic Method Optimization For The Simultaneous Estimation Of Six Fat-Soluble Vitamins In Tablet Dosage Form Using A Developed And Validated Uplc-Q-ToF/MS Method. *Georgian Medical News*, (334), 10-22.
- Badavenkatappa gari, S., Nelson, V.K. & Ramaling Peraman, (2023) *Tinospora sinensis* (Lour.) Merr alkaloid rich extract induces colon cancer cell death via ROS mediated, mTOR dependent apoptosis pathway: "an in-vitro study". *BMC Complement Med Ther* 23, 33 (2023). <https://doi.org/10.1186/s12906-023-03849-5>
- Bada Venkatappa Gari, S., Bhatt, S., Kutagulla, V. K., Kanala, S. R., Yiragamreddy, P. R., & Peraman, R. (2022). Antidepressant and anxiolytic activities of *Cochlospermum religiosum* leaf extract, synergism with antidepressants, and molecular docking studies. *Indian Journal of Natural Products and Resources (IJNPR)[Formerly Natural Product Radiance (NPR)]*, 13(1), 23-31.
- Singh, A., Ramalingam, P., Dhingra, S., Ravichandiran, V., & Murti, K. (2022). Arsenic: a culpable element and a possible menace for HIV/AIDS patients. *Biological Trace Element Research*, 200(12), 4955-4966.
- Surendra Rajit Prasad, Prakash Kumar, (...) Pallaprolu Nikhil, Dande Aishwarya, P. Ramalingam Rahul Gajbhiye, V. Ravichandiran, Prolay Das, Debabrata Mandal (2022) Mechanistic insight into the role of mevalonate kinase by a natural fatty acid -mediated killing of *Leishmania donovani*" *Scientific Reports*, 12, 16453
- Rajavardhana Thamineni, Ramalingam Peraman, Jayakumar Chenniah, Geethavani Meka, Ashok Kumar Munagala, Vijayakumar Thangavel Mahalingam, Rajanandh Muhasaparur Ganesan (2022). Level of adherence to anti-tubercular treatment among drug-sensitive tuberculosis patients on a newly introduced daily dose regimen in South India: A cross-sectional study. *Tropical medicine and International health*, doi.org/10.1111/tmi.13824
- Mazin Aboobaida AA, VN Azger Dusthacker, Ramalingam Peraman (2022). Anticancer Activity of *Grewia obtusa* Fruit on HCT-116, MCF-7, and HeLa Tumour Cells Besides Antitubercular Activity, *Indian J Pharm. Edu and Res*, 56(3), 765-771
- Jagadeesh Paritala, Vinod Kumar Kondreddy, C. V. S. Subrahmanyam, Ramalingam Peraman, V Ravichandiran (2022). Quantitative structure retention relationship (QSRR) approach for assessment of

chromatographic behavior of antiviral drugs in the development of liquid chromatographic method. *Journal liquid chromatography & related technologies*, 637-645 (Taylor & Francis)

- Kumar, K.V., Sharma, H., Peraman, R. *et al* (2022). A Stability-Indicating RP-HPLC-UV method for determination of fidaxomicin and its hydrolytic degradation products. *J Iran. Chem. Soc.* 19, 785–792. (Springer)
- Ramalingam Peraman, Santhivardhan Chinni\*, Sathish Kumar Sure, Vinay Kumar Kutagulla, Muthukumaran Peraman, Azger V.N. and Padmanabha Reddy Y (2022). Anti-evolution Drugs: A New Paradigm to Combat Drug Resistance. *Letters in drug design and discovery*, 9(1), 2-9.
- Sreelakshmi Bada Venkatappa Gari, Ramalingam Peraman (2021), *Tinospora Sinensis* (Lour.) Merr. Stem Modulate The TNF-Alpha Expression In HCT- 116 Tumour Cell, Besides the Inhibitory Effect on Cervical, Colon and Breast Cancer Cell Linee, *Pharmacognosy Journal* 13 (1), 8-16.
- Bada Sreelakshmi, Bhatt, Shvenkat ; Kutagulla, Vinay Kumar; Kanala, Somasekhar Reddy ; Yiragamreddy, Padmanabha Reddy ; Peraman, Ramalingam (2022). Antidepressant and anxiolytic activities of *Cochlospermum religiosum* leaf extract, synergism with antidepressants, and molecular docking studies. *Indian Journal of natural product and Resources*, 13(1), 23-31.
- Ramalingam Peraman\*, G Meka, NB Chilamakuru, VK Kutagulla, S Malla, (2021), Novel stilbene scaffolds efficiently target *Mycobacterium tuberculosis* nucleoid-associated protein, HU, *New Journal of Chemistry*, doi.org/10.1039/D0NJ05947A
- S Akkiraju, SR Kanala, S Khatri, VK Kutagulla, V Mallela, Ramalingam Peraman\* (2021) Cardioprotective potential of indol-3-carbinol against high salt induced myocardial stress and hypertrophy in Sprague dawley rats besides molecular docking on muscarinic receptor-2, *Natural Product Research*, 1-5
- Ramalingam Peraman\*, P Chiranjeevi, YP Reddy, KV Kumar, SG Vasantharaju (2021) Beta-Alanine and Tris-(hydroxyl methyl) Aminomethane as Peak Modifiers in the Development of RP–HPLC Methods Using Aceclofenac and Haloperidol Hydrochloride as Exemplar Drugs, *Journal of Chromatographic Science*, doi.org/10.1093/chromsci/bmab010
- Ramalingam Peraman, SK Sure, VNA Dusthacker, NB Chilamakuru (2021), Insights on recent approaches in drug discovery strategies and untapped drug targets against drug resistance, *Future Journal of pharmaceutical sciences* 7 (1), 1-25
- Ramalingam Peraman, J Bandi, VK Kondreddy, B Kalva, SG Kothakota, J Paritala (2021), Analytical quality by design approach versus conventional approach: Development of HPLC-DAD method for simultaneous determination of etizolam and propranolol hydrochloride, *Journal of Liquid Chromatography & Related Technologies*, 1-25
- E Bhargav, G Chaithanya Barghav, P Padmanabha Reddy, Ramalingam Peraman (2020) A Design of Experiment (DoE) based approach for development and optimization of nanosuspensions of telmisartan, a BCS class II antihypertensive drug, *Future Journal of Pharmaceutical Sciences* 6, 1-13
- M Al Bratty, N Thangavel, Ramalingam Peraman\*, V Kumar, P Reddy, KV Nagappan, (2020) . HPLC–DAD method for investigating pantoprazole for its stress-dependent degradation by photolysis and oxidation, *Acta Chromatographica* 32 (4), 247-255
- M Chaitanya, A Jose, P Ramalingam, SC Mandal, PN Kumar (2020), Multi-targeting cytotoxic drug leads from mushrooms, *Asian Pacific Journal of Tropical Medicine* 12 (12), 531
- Sreelakshmi and Ramalingam Peraman\* (2019), *In vitro* antitubercular, anticancer activities and IL-10 expression in HCT-116 cells of *Tinospora sinensis* (Lour.) Merr. leaves extract, *Natural Product Research*, December, 1-2, doi.org/10.1080/14786419.2019.1705814
- Ramalingam Peraman et al., (2018). New camphor hybrids: lipophilic enhancement improves antimicrobial efficacy against drug-resistant pathogenic microbes and intestinal worms, *Medicinal Chemistry Research*, 26(6), 1728–1739
- Haneen Amawi , Charles R. Ashby Jr. , Temesgen Samuel , Ramalingam Peraman and Amit K. Tiwari (2017). Polyphenolic Nutrients in Cancer Chemoprevention and Metastasis: Role of the Epithelial-to-Mesenchymal (EMT) Pathway, *Nutrients*, 9(8), 911; doi:10.3390/nu9080911

- Ramalingam P et al (2017). New Quinoxalinylyl Chalcone Derivatives: Search for Potent Antimicrobial Agents, Journal of antimicrobial agents, *Journal of Antimicrobial agents* 3 (1), 137-41.
- Ramalingam Peraman et al., (2015). Re-engineering nalidixic acid's chemical scaffold: A step towards the development of novel anti-tubercular and anti-bacterial leads for resistant pathogens, *Bioorganic & Medicinal Chemistry letters*, 25 (19), 4314-4319, doi:10.1016/j.bmcl.2015.07.071.
- Ramalingam Peraman, K Bhadraya, Y Padmanabha Reddy (2015) Analytical quality by design: a tool for regulatory flexibility and robust analytics, *International journal of analytical chemistry* 201, 1-8.
- Ramalingam Peraman, R Kuppusamy, SK Killi, YP Reddy (2016). New Conjugates of Quinoxaline as Potent Antitubercular and Antibacterial Agents, *International Journal of Medicinal chemistry, Feb 14, vol. 6*, 1-8. Article ID 6471352, doi:10.1155/2016/6471352.
- Ramalingam Peraman, K Bhadraya, YP Reddy, CSP Reddy (2016). Analytical quality by design approach in RP-HPLC method development for the assay of etofenamate in dosage forms, *Indian Journal of Pharmaceutical Sciences* 77 (6), 751-757
- P Ramalingam, et al. (2014). *In vitro* antitubercular, antibacterial and antifungal activities of 4-(3, 4-disubstituted) benzylidene-2-phenyloxazolin-5-ones and their phenyl acrylohydrazides, *Indian Journal of Heterocyclic chemistry*, 23 (3), 321-330
- Ramalingam Peraman et al., (2014). Stability-indicating RP-HPLC method for the simultaneous determination of Metformin Hydrochloride and Pioglitazone Hydrochloride in Dosage Form. *Malaysian Journal of Pharmaceutical Sciences*, 12(1), 33-46.
- Ramalingam Peraman et al., (2014). Evaluation of metformin hydrochloride in Wistar rats by FTIR-ATR spectroscopy: A convenient tool in the clinical study of diabetes, *Journal of natural science, biology and medicine*, 5 (2), 288-292, doi: 10.4103/0976-9668.136168.
- Ramalingam Peraman et al., (2015), A Stability-Indicating RP-HPLC Method for the Quantitative Analysis of Meclizine Hydrochloride in Tablet Dosage Form. *Journal of chromatographic science*, doi:10.1093/chromsci/bmu127, Feb 1; 2015
- Ramalingam Peraman, et al (2013). Development and Validation of Stability-Indicating Assay of Etofenamate by RP-HPLC and Characterization of Degradation Products. *Scientia Pharmaceutica* 81, 1017-1028. **(SCI indexed)**.
- Padmanabha R Yeragamreddy, Ramalingam Peraman et al. (2013). *In vitro* Antitubercular and Antibacterial activities of isolated constituents and column fractions from leaves of Cassia occidentalis, Camellia sinensis and Ananas comosus, *African Journal of Pharmacology and Therapeutic.*, Vol. 2 No. 4, 116-123.
- Ramalingam Peraman, et al (2013). Stability-Indicating RP-HPLC Method for Simultaneous Determination of Metformin Hydrochloride and Sitagliptin Phosphate in Dosage Forms, *Chromatographia*, 76, 17-18, 2013 p.1153-68
- Ramalingam Peraman et al. (2013). RP-HPLC Method Development and Validation for Simultaneous Estimation of Atorvastatin Calcium and Pioglitazone Hydrochloride in Pharmaceutical Dosage Form, *Journal of Chromatographic sciences*, October 22/2013. doi:10.1093/chromsci/bmt156 (Impact factor 1.20)
- Mallikarjuna S, Ramalingam Peraman et al (2013). Development and Validation of Stability-Indicating RP-UPLC Method for Simultaneous Estimation of Amlodipine Besylate and Atorvastatin Calcium in Pharmaceutical Dosage Forms, *Journal of Chromatography & Separation Techniques*, doi: 10.4172/2157-7064.1000187.
- P. Ramalingam, DHH Teja et al. (2013). Stability indicating RP-HPLC method for quantitative analysis of Peridopril Erbumine in tablet dosage form. *Journal of Chromatographic sciences* , May 19, 1-6, <http://www.ncbi.nlm.nih.gov/pubmed/>.
- P. Ramalingam et al. (2010) . *In vitro* antitubercular and antimicrobial activity of 1- substituted quinoxaline-2, 3(1H, 4H)-diones. *Bioorganic & Medicinal chemistry letters*, 20, 406-408 .
- Balasekhara Reddy, P.Ramalingam et al.(2010). Silidenafil and N-desmethyl sildenafil quantification in human plasma by HPLC coupled with ESI – MS/MS detection: Application to bioequivalence study, *Anal. Methods*, 2, 1043-1050.



- Ramalingam, et al. Ch (2007). Antibacterial, Antifungal and antitubercular Screening of some Novel condensed Bridgehead Nitrogen heterocycles of Quinoxallines., *Indian Journal of Heterocyclic Chemistry* vol.16, Jan – March, , P.no . 283 – 286

\*\*\*