



Dr. Narmada Vallakeerthi, M. Pharm., Ph.D.

Assistant Professor

Department of Pharmaceutical Analysis

narmada[dot]Vallakeerthi[at]niperhajipur[dot]ac[dot]in

rishikaravi[at]gmail[dot]com

Date of Joining as Assistant Professor – 03rd Sep 2025

Academics:

- 2023: Doctor of Philosophy (**Ph.D.**) in Pharmaceutical Sciences (Faculty of Pharmaceutical Sciences, University College of Technology, Osmania University, Hyderabad-500007, India)
- 2011: Master of Pharmacy (**M. Pharm**) in Pharmaceutical Analysis (Department of Pharmacy, University College of Technology, Osmania University, Hyderabad-500007, India)
- 2006: Bachelor of Pharmacy (**B. Pharm**) (Sarojini Naidu Vanitha Pharmacy Maha Vidyalaya, Osmania University, Hyderabad- India)

Research Areas:

- Impurity Profiling- Residual solvent Analysis.
- Analytical and Regulatory Research-Analytical, Bio analytical with degradation studies
- Quality by Design and Design of Experiments
- Green Analytical Chemistry
- Phytopharmaceutical Standardization
- Nutraceutical Development (Women's Health – Anemia Focus)

Experience:

- **Current position:** Assistant Professor, Department of Pharmaceutical Analysis at National Institute of Pharmaceutical Education and Research (NIPER)-HAJIPUR, Bihar from 03 September 2025 to till date.
- **Previous Experience:** Assistant Professor, Department of Pharmacy, University College of Technology, Osmania University, Hyderabad, Telangana, India (Dec 2011 to Aug 2025)
- Assistant manufacturing Chemist, Pharma Deep Remedies, Hyderabad, Telangana, India (July 2006 to Sep 2009)

Membership in Professional Associations/Societies:

- Member of Registered pharmacist, Certificate No. 048208 State Pharmacy Council, Telangana.
- Appointed as a PCI inspector in Pharmacy Council of India, 2024.
- Life Member of Indian Pharmacy Graduates Association, certificate number LM-7187, 28-08-2021.
- Life member of Association of Pharmacy Professionals, number APP/TS/LM-225/22, 13-12-2022.
- Membership in International Association of Academic Plus corporate (IAAC) for Annual Membership for AY-2022, number FRTJQC-CE006281.
- Membership in Society of Pharmaceutical Sciences and research 2024, number SPSR/AM/24-18.

Awards:

- Received Best Paper Award from Department of Physics, Government Holkar Science College, Indore (Madhya Pradesh), 2020.
- Received Best Poster Award on Recent Advances in Chemical Engineering-2020 on the Eve of Golden Jubilee Celebrations of UCT, OU in Association with IICHE-HRC, 2020.
- Received Best Paper Award from APP Karnataka State Branch in collaboration with APP American International Branch & APP Analytical Chemistry Division 2022.
- Received Savitribai Phule Prathiba Puraskar from Honorable minister Dr. Seethakka Recognized as Best Teacher Award 2024, by Bharathiya OBC Samakhya and Telangana Journalist welfare Society Hyderabad, Telangana, India.
- Received Prathibha award from Honorable president of Akhila Bharatha Sangam 2024 in faculty club, Osmania university, Hyderabad, Telangana, India.

Patent:

- German Patent titled “Novel Sensitive and Advanced Clinical Mass Spectrometry Kit for Evaluation of Vitamin D Deficiency” patent Application Number with granted: 202022105300, 2022.

Book Chapters:

- Analytical Investigation and Pharmacological Investigation of Spodias Tuberosa, Potential Areas of Research in the Pharmacognosy, Published by Academic Decipher Press, Mumbai, ISBN: 978-81-958127-5-2, First Edition: 2023.
- India of my Dreams, Book of Scientific and Non-Scientific Essays, Published by Academic Decipher Press, Mumbai, ISBN: 978-81-958127-9-0, First Edition: 2023.

Professional Roles:

- Attended as Keynote Speaker for giving a demo/lecture for Three Days Hands-on Training Programme on HPLC, UV-Vis Spectroscopy and FTIR techniques Sponsored by DBT BUILDER Program, National level at Prof. T. Navaneeth Rao Central Facilities for Research and Development, Osmania University, Hyderabad, 2024.

- Participated as a session Chair in National level “TECHNOSMANIA-2K24” at Organized by University College of Technology, Osmania University. Hyderabad, Telangana State, India. 2024.
- Delivered the invited talk in National Conference “Emerging Trends in Chemical Materials Sciences Research (ETCMSR-2022)” organized by held on 25th & 26th February 2022.
- Attended as Keynote Speaker for the celebrations of National level World Pharmacists Day 2022, in association with Indian Pharmacy Graduates' Association, Telangana State Branch, on the Theme of "Pharmacy United in Action for a Healthier World".
- As a Resource Person in International Conference on “Ultrasonics and Material Science for Advanced Technology” 2022 organized by Telangana University, Nizambad in association with Ultrasonics society of India, New Delhi.
- Chaired a session in Two- Day National Conference on “Emerging and Adaptable Technologies in Process Industries” in association with Indian Institute of chemical Engineers Hyderabad Regional Centre (IICChE-HRC) UCT, OU student chapter, organized by Research Development and innovation cell UCT(A), OU, 2021.

Publications:

- Integrative Greenness, Blueness and Whiteness determination of Analytical RP-HPLC method for Identifying Imipenem, Cilastatin and Relebactam in Combined tablet form followed by forced degradation studies. Revathy Sundara Moorthy, Nakka Srisailam, Narmada Vallakeerthi, Kavitha Marapakala, P. Muralidhar Reddy, Green Analytical Chemistry, vol 11, 2024. Impact factor: 6.2
- Greener and Whiter Analytical Method Development and Validation of Zolpidem Tartrate Infused in Apple Juice using RP-HPLC via Magnetic Solid Phase Extraction followed by LC-MS confirmatory analysis, Revathy Sundara Moorthy, G. Swetha, Rohini Rondla, Anren Hu, Narmada Vallakeerthi and P. Muralidhar Reddy, Published by the Royal Society of Chemistry (RSC Advances), 14, 28168–28181, RSC Adv., 2024, Impact factor: 4.6
- Development and Validation of Stability Indicating RP-HPLC Method for Simultaneous Determination of Selected Drugs Using Green Assessment in Bulk and Pharmaceutical Dosage Form, S. Swarnalatha, Narmada Vallakeerthi, Revathy Sundara Moorthy, Kavitha Pingili, P. Muralidhar Reddy, Asian Journal of Green Chemistry, 8, page no 478-496, 2024, Impact factor: 1.6
- Simultaneous RP-HPLC Estimation, Validation and Stability Indicating Assay of Two-Component Tablet Formulation Containing Grazoprevir and Pibrentasvir, Nakka Srisailam, Narmada Vallakeerthi, Revathy Sundara Moorthy, Kavitha Marapakala, International Journal of Pharmaceutical Quality Assurance. 15(2) page no 895-900, 2024.
- Stability indicating Method Development and Validation of Green RP-HPLC method for simultaneous estimation of Metformin, Teneligliptin, and Pioglitazone in bulk and pharmaceutical dosage forms by Evaluation of Greenness, S. Swarnalatha, Narmada Vallakeerthi, Revathy Sundara Moorthy, Kavitha Pingili, P. Muralidhar Reddy, Asian Journal of Green Chemistry, Vol 8, 2024, Impact factor:1.6
- Analytical Method Development and Validation for Simultaneous Estimation of Olmesartan and Rosuvastatin in Pure and Pharmaceutical Dosage Form by Using Rp-HPLC, V. Narmada, V. Sharath, P. Ramya, K. Suchitha, K. Bhavyasri and A. Ravinder Nath, International journal of biology, pharmacy, and allied sciences, Voi 12(10), page no 4542-4553, 2023.
- Development and Validation of RP-HPLC Method for the Simultaneous Estimation of Bilastine and Montelukast in Tablet Dosage Form by Narmada Vallakeerthi, Rachala Swetha a, T. Tejaswi, A. Ravinder Nath, K. Bhavyasri, N. Naresh Reddy and P. Muralidhar Reddy,

Chemical Science International Journal or Past name: American Chemical Science Journal, Volume 32(3), Page 52-61, 2023.

- RP-HPLC Method Development, Validation Including Stability Indicating and Forced Degradation Studies for the Estimation of Pemetrexed in API and Pharmaceutical Dosage Form, Narmada Vallakeerthi, A. Sanjeev, D. Suman, A. Ravinder Nath, P. Muralidhar Reddy, National Conference on Physics and Chemistry of Materials, vol 2603, page no 012055, Journal of Physics: Conference Series, IOP Publishing, 2023.
- Development and Validation of Stability Indicating RP-HPLC Method for Simultaneous Determination of Anti-Haemorrhagic Ethamsylate and Anti-Fibrinolytic Tranexamic Acid in Combined Formulation using Green Assessment, Swetha Gadthey, Revathy Sundara Moorthy, Rohini Rondla, Narmada Vallakeerthi, P. Muralidhar Reddy, Journal of Chemical Health Risks, www.jchr.org JCHR, vol 13(4), page no 1084-1103, 2023.
- A study on the development and validation of RP-HPLC method for the simultaneous estimation of Emtricitabine, Tenofovir Disoproxil Fumarate, and Efavirenz in both bulk and pharmaceutical formulations. S. Bhaskar, Narmada Vallakeerthi, A. Sanjeev, M. Kavitha, D. Suman, and P. Muralidhar Reddy, European Chemical Bulletin, volume 12 (4), page no 886-900, 2023.
- Method Validation for Quantification of Lopinavir in Human Plasma by Using LC-MS/MS, S. Bhaskar, Narmada Vallakeerthi, A. Sanjeev, M. Kavitha, Anren Hu, and P. Muralidhar Reddy, European Journal of Molecular & Clinical Medicine, ISSN 2515-8260, Volume 10 (01), page no1115-1133, 2023.
- Spectrophotometric Method and Its Validation for Tolvaptan in Its Bulk and Marketed Formulation Including Stress Studies, K. Bhavya Sri, B. Aishwarya, Sowwjanya, Anushree Hari, Narmada Vallakeerthi, M. Sumakanth, International Journal of Drug Delivery Technology, 13(1): page no 216-220, 2023.
- Development and Validation of a Stability indicating Green Analytical method for the simultaneous Estimation of Ambroxol and Loratadine in bulk and pharmaceutical dosage forms by RP-HPLC- S. Swarnalatha, Narmada Vallakeerthi, Swetha Gadthey, Kavitha Pingili, P. Muralidhar Reddy, Bulletin of Environment, Pharmacology and Life Sciences Bull. Env. Pharmacol. Life Sci., Vol 13(1) page no 129-140, 2023.
- HS-GC-FID Method Development and Validation for Quantification of Residual Solvents in Favipiravir by Narmada Vallakeerthi, A. Ravinder Nath, Revathy Sundara Moorthy, P. Muralidhar Reddy, DOI: 10.47750/pnr.2022. 13.S10.445, Journal of Pharmaceutical Negative Results, Volume 13(10), page no 3675-3685, 2022.
- Jak Inhibitors: Role and Applications for The Treatment of Multifactorial Diseases, Anitha Sadhula, Shiny Karrola, Narmada Vallakeerthi, Survi Swathi Goud, High Technology Letters, Volume 28 (3), page no 236-246, 2022.
- Stability Indicating Method Development and Validation, Stress Degradation Studies for Dacarbazine by Using Rp-HPLC, A. Sanjeev, Narmada Vallakeerthi, N. Naresh Reddy, S. Bhaskar, P. Muralidhar Reddy, Neuro Quantology, Volume 20 (9), Page 6270-6278, 2022.
- Method Development and Validation of Secnidazole, Fluconazole and Azithromycin in Tablet Dosage Form by Rp-HPLC Method, High Technology Letters, N Mamatha, V. Narmada, B Shirisha, Pabba Parameshwar, Volume 28(1), page no 711-729, 2022.
- Method development, Validation, identification and quantification of residual solvents in phenazopyridine hydrochloride using head space–gas chromatography technique by Narmada Vallakeerthi, and Anisetti Ravinder Nath, National Conference on Physics and Chemistry of Materials, AIP Conference Proceedings, 2369, 020171-9, 2021.
- RP-HPLC Method Development and Validation for Determination of Tigecycline in Bulk and Pharmaceutical Dosage form K. Bhavyasri, C. H. Mounika, Narmada Vallakeerthi and M.

Sumakanth, Journal of Pharmaceutical Research International vol 33(39), page no 273-282, 2021.

- Sensor Applications in Analysis of Drugs and Formulations M. Akifulhaque, G. R. Shivacharan, M. D. Parveen, D. K. Shanthi Priya, Narmada Vallakeerthi, Asian journal of pharmaceutical and clinical Research, Innovare academic Sciences pvt ltd publisher, vol 14(11), page no 21-23, 2021.
- Development and Validation of RP-HPLC Method in Simultaneous Estimation of Lamivudine and Abacavir as Tablet Dosage Form by A. Sanjeev, S. Bhaskar, Narmada Vallakeerthi, Anren Hu, P. Muralidhar Reddy, Journal of Critical Reviews, vol 7(2), page no 1358-1370, 2020.
- Role of Metallic Nanoparticles in Cardiovascular Disease M. Kavitha, Narmada Vallakeerthi, P. Ramesh, and P. Muralidhar Reddy, Journal of Cardiovascular Disease Research ISSN: 0975-3583, 0976-2833 vol 11(03), page no 162-172, 2020.
- Pharmacological and Neuroprotective Activity of Smilax zeylanica, Carissa macrocarpa and Thespesia lampas M. Kavitha, K. Premalatha, Narmada Vallakeerthi, P. Ramesh, and P. Muralidhar Reddy, Journal of critical reviews, ISSN- 2394-5125, vol 6 (06), page no 556-562, 2019.
- Development and Validation of a RP - HPLC Method for the Simultaneous Determination of Netupitant and Palonosetron in Pure and Pharmaceutical Dosage form by Narmada Vallakeerthi, Domala Meghana, A. Ravinder Nath, V. Kiran Kumar, S.K. Godasu, Indo american journal of pharmaceutical sciences, vol 05 (12), page no 17584-17593, 2018.
- A Review on Application of Different Polymers in Controlled Release Matrix Formulations M. Kavitha, Narmada Vallakeerthi, P. Ramesh and P. Muralidhar Reddy, Journal of Cardiovascular Disease Research, vol 08(03), page no 112-124, 2017.