

**Dr. S. GAYATRI**

Associate Professor (Pharmaceutical chemistry), Faculty of pharmacy

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<https://scholar.google.com/citations?user=dHh5qgoAAAAJ&hl=en>**Personal Profile****PhD/Post Doc supervision slots available: 4**

Post graduated in pharmaceutical chemistry from Madras Medical College, affiliated to The Tamil Nadu Dr. M.G.R Medical University, Chennai. Obtained PhD from Sri Ramachandra University in the year 2014. Worked as a chemist in R&D for two years and entered the teaching profession in the year 2007. Presently working as an Associate Professor in Faculty of Pharmacy, Sri Ramachandra Institute of Higher Education and Research (DU), Porur, Chennai 600116. Published articles in various national and international journals. Filed a patent which was published in the year 2020. Qualified GATE-2001 with 87 percentile. Presented papers in various national and international conferences.

**Area of Research Expertise:**

- Isolation and characterization of constituents from indigenous medicinal plants
- Formulation and standardization of herbal drugs
- Synthesis of new compounds of potential pharmaceutical interest and its biological evaluation
- Analytical method development and validation; Stability indicating studies

**Lab members****PhD Scholars**

- Ms.Sandhya B- Synthesis, Characterization and Biological activity of Novel Triazole derivatives
- Mr Kishore kumar reddy: Fabrication and *in-vitro in-vivo* evaluation of antihypertensive nano suspension.

**KEY PUBLICATIONS**

1. S. Gayatri and V. Angel Seslin Monica, Preliminary phytochemical investigation and in-vitro antidiabetic activity of an ayurvedic formulation, Bull. Pharm. Sci., Assiut University, 2020, 43(2), 135-139 doi: 10.21608/bfsa.2020.127400
2. Gayatri S, Sowndarya S, Karthikeyan G, Effect of Tender Coconut Water on Experimental Urolithiasis: An In Vitro Study, International Journal of Pharmaceutical Research, 2021 13(1) 2324-25. <https://doi.org/10.31838/ijpr/2021.13.01.339>
3. B.Sandhya, R.Sivakumar, S.Gayatri, K.Mythili, A review of 1,2,4-triazoles : Synthesis and pharmacological uses, IJRAR - International Journal of Research and Analytical Reviews (IJRAR), Dec 2021, 8(4);214-230. E-ISSN 2348-1269, P- ISSN 2349-5138, doi: <http://www.ijrar.org/IJRAR21D2000.pdf>
4. P. Venkatesh and S. Gayatri Estimation of Pramipexole Dihydrochloride in Tablet Formulation by the Developed Reverse Phase High Performance Liquid Chromatography Method and its Validation Indian J Pharm Sci 2022;84(1):228-231. DOI: 10.36468/pharmaceutical-sciences.915
5. Mohamed Arief S, Sri Priya D, Gayatri S, Simultaneous determination of paracetamol and caffeine by RP-HPLC in soft gelatin capsules, International Journal of Science and Research Archive, 2023, 09(02), 950-957. <https://doi.org/10.30574/ijrsra.2023.9.2.0691>
6. Mythili K, Gayatri S. Assessment of volatile organic compounds in indoor and outdoor environment – A study on air quality impact assessment. Sri Ramachandra J Health Sci. 2023;3:51-5. doi: 10.25259/SRJHS\_5\_2023
7. Ram Kumar .R.S, Gayatri .S\*, Vishnu .V and Mohamed Arief .S Validation of Analytical Method for Estimation of Dolutegravir Sodium in Synthetic Mixture using Hydrotropic Solvent, Indian Journal of Natural Sciences Apr 2024;15(83)
8. Kumar VL, Sharveswaran R, Saranya K, Naresh S, Siraj SNM and Gayatri S\*: Method development and validation for simultaneous estimation of nicotinamide and metronidazole in gel using UV-spectrophotometer. Int J Pharm Sci & Res 2024; 15(5): 1427-32. doi: 10.13040/IJPSR.0975-8232.15(5).1427-32.