

## FACULTY DATABASE

Name: Dr.P.Geetha

Designation: Professor& Head

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Area: Department of Pharmacy Practice

Affiliation: Faculty of Pharmacy, Dr.M.G.R. Educational and Research Institute, Velappanchavadi, Chennai-600077



### EDUCATION

Sl.No.	Course	Department	Affiliation
1.	Ph.D	Pharmacy	Vels Institute of Science, Technology and Advanced Studies, Chennai.
2.	M. Pharmacy	Pharmacy Practice	Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore. TN Dr MGR Medical University
3.	B. Pharmacy	Pharmacy	K.M. College of Pharmacy, Madurai. TN Dr MGR Medical University

### OTHER DETAILS

#### Courses:

- Disease Screening in Public Health (Coursera)
- Being a researcher (in Information Science and Technology) (Coursera)
- Certificate Course in Basics of Gastroenterology and Hepatology Module I (CliMed)

#### Research Interest:

- Pharmacotherapeutic Drug Monitoring

#### Publications

##### *Published Papers*

1. P. Geetha, P. Vijayalakshmi, S. Tilak, A. Maheswaran, N. Narayanan. Prescription analysis to evaluate the rational use of drugs by using who health care indicators. International Journal of Multidisciplinary Research and Development. Volume: 2, Issue: 5, 358-360.May 2015

2. P. Geetha, M. Kousalya, S. Geethalakshmi, R. Gopi. Prescribing pattern of drugs used for respiratory disease in Pediatric patients at private hospital. *Research J. Pharm and Tech.* Volume: 9, Issue: 3, 251-256. March 2016.
3. G Sathyanarayanan\*, P. Geetha, And P. Shanmugasundaram. A prospective observational study on assessment and evaluation of cephalosporins in general medicine department at tertiary care hospital. *Research J. Pharm and Tech.* Vol:9No:8:August:2016:1039-1042.
4. Aparna. P, P. Geetha, Dr. P. Shanmugasundaram.. Comparison of Aceclofenac and combination ( Aceclofenac + Thiocolchicoside) therapy in acute low back pain patients. *Research J. Pharm. and Tech.* Vol:9No:11:November-:2016.1927-1929.
5. S. Janani, P. Geetha, P. Shanmugasundaram. Diabetes-Epilepsy Symbiosis. *Research J. Pharm. and Tech.* 2017; 10(1): 351-354.
6. Kousalya M, Geetha P, Jesuraja A, Vinoth Kumar M. In-Vitro Study of Anthelmintic Activity of *Eclipta prostrata* (L) y various Extracts. *Research J. Pharm. and Tech.* 2017; 10(1): 58-60.
7. Ramya, P. Geetha, P. Shanmugasundaram. Assessment of Appropriate use of Antibiotics in Paediatric Department of A Tertiary Care Teaching Hospital. *Research J. Pharm. and Tech.* 2017; 10(2): 381-384.
8. P. Geetha, P. Shanmugasundaram. Drug utilization evaluation of antidiabetic drugs among type 2 diabetes patients of Tamilnadu. *Asian J Pharm Clin Res.* 2017; 10(9); 202-205.
9. G Sathyanarayanan\*, P. Shanmugasundaram, P. Geetha. A Prospective Observational Study on Microalbuminuria as Risk factor of Chronic Renal Failure in patients with Type 2 Diabetes. *Research J. Pharm. and Tech.* 2017; 10(9): 3085-3588.
10. P. Geetha, P. Shanmugasundaram. Correlation of microalbuminuria with age, duration, glycated hemoglobin, blood sugar levels, blood pressure and renal parameters of type 2 diabetes patients. *Asian J Pharm Clin Res.* 2017; 10(11); 397-400.
11. J. Shanmugapriya\*, P. Geetha, V. Santhosh Kumar and P. Shanmugasundaram. Prospective study on role of CRP as an inflammatory marker in type-ii diabetes mellitus in tertiary care hospital. *IJPSR*, 2017; Vol. 8(12): 5257-5263.
12. Gandikota Thanmayi, P. Shanmugasundaram\*, P. Geetha. Role of Clinical Pharmacist in Improving Patients Compliance including Risk Factors among Tuberculosis Patients. *Research J. Pharm. and Tech.* 2017; 10(9): 2945-2948.
13. Beatrice Y. Danladi, P. Geetha. Ways to improve Life Expectancy in Sickle Cell Anaemia Patients using Herbs. *Asian J. Res. Pharm. Sci.* 2017; Vol. 7(4).
14. P. Geetha, Vaishnavi Raksha, Mohamed Ishak J, P. Shanmugasundaram. A review on Generalised Anxiety Disorder. *Research J. Pharm. and Tech.* 2017; 10(11): 4043-4046.
15. Sathyanarayanan, G., Shanmugasundaram, P., Geetha, P. A prospective observational study on microalbuminuria as risk factor of chronic renal failure in patients with type 2 diabetes. *Research J. Pharm. and Tech.* 2017.
16. P. Geetha, P. Shanmugasundaram. Association of glycated hemoglobin and lipid profile in type 2 diabetes patients, Tamil Nadu, India . *Drug Invention Today.* 2018; 10(9): 1193-1196.

17. P. Geetha, P. Shanmugasundaram. Clinical evaluation of management and prevalence of type two diabetes mellitus complications in South Indian population . *Asian J Pharm Clin Res*, Vol 11, Special Issue 4, 2018
18. P. Geetha, P. Shanmugasundaram. Assessment of diabetic peripheral neuropathy in type 2 diabetes patients by Biothesiometer. *Drug Invention Today*.2018; 10(9),541- 544.
19. Geetha P, Shanmugasundaram P. A Prospective Observational Study on assessment of risk factor associated with diabetic retinopathy in patients diagnosed with type 2 Diabetes Mellitus in south Indian population. *Research J. Pharm. and Tech* 2019; 12(2):595-599. doi: 10.5958/0974-360X.2019.00106.9
20. 20.A. Ramya, P. Geetha, M. Nandhini, M. Manoj Kumar Raja. The Role of Leukotriene Receptor Antagonist as an add on therapy to  $\beta$ 2-Agonists in Acute Asthma. *Research J. Pharm. and Tech*. 2019; 12(4):1974-1978. doi: 10.5958/0974-360X.2019.00330.5
21. Geetha. P., Bibi Bergin R. V., Komal Rani, Kanniammal V. Knowledge, Attitudes and Practices towards Malaria prevention and control among General Community Members in Kanchipuram District of Tamilnadu (South India). *Asian J. Res. Pharm. Sci.* 2020; 10(3):165-170. doi: 10.5958/2231-5659.2020.00032.6.
22. Vidhya, Muddala Vara Prasanna Rao\*, P. Geetha. A comparative study of pregabalin and gabapentin combinations in type 2 diabetic neuropathy patients. *Drug Invention Today*.2019; 11 (11) : 2845-2849.
23. P. Yuvesh1 Dr. P. Geetha2. Cost comparison between Branded medicines and Jan Aushadhi medicines.*Annals of R.S.C.B.*, ISSN:1583-6258, Vol. 25, Issue 4, 2021, Pages. 18352- 18359.
24. Kavyasree, A., Geetha, P., Shanmugasundaram, P. A review: Comparison of efficacy of liraglutide versus sitagliptin add-on-to metformin in type 2 diabetes mellitus patients *Research Journal of Pharmacy and Technology*, 2021, 14(4), pp. 2291–2295.
25. J. Praveen Kumar, P. Geetha. Preparation and evaluation of castalin (hydrolysable tannin)-loaded poly(lactic-co-glycolic acid) nanoparticles and exploring its anticancer potential. *International Journal of Green Pharmacy*, Jul-Sep 2021, 15 (3) :288.
26. Pandavar Sahayam Geetha, and Shanmugasundaram Palani. 2021. “Association of Inflammatory Marker, Glycosylated Hemoglobin, Circulating Lipids With Microvascular Complications and Glycemic Control of Type 2 Diabetes Mellitus in South Indian Population”. *Romanian Journal of Diabetes Nutrition and Metabolic Diseases* 28 (3), 261-67.
27. J.Praveen kumar1, Dr.P.Geetha. Formulation And Characterization Of Polymeric Nanoparticles For Enhancing Bioavailability Of Herbal Anticancer Castalin.2022, *Journal of Positive School Psychology* . Vol. 6, No. 3, 5368–5379.
28. Abilash, Y. D., & Geetha, P. (2022). Medication therapy management amid community pharmacist. *International Journal of Health Sciences*, 6(S1). <https://doi.org/10.53730/ijhs.v6nS1.6841>
29. Bergin, R. V. B., & Geetha, P. (2022). Evaluation of knowledge attitude and practice towards hepatitis B and C infections and its impact among healthy volunteers in urban and rural areas of Kanyakumari District: A cross sectional survey based study. *International Journal of Health Sciences*, 6(S2), 7552–7566. <https://doi.org/10.53730/ijhs.v6nS2.6829>

30. BibiBergin, R. V., & Geetha, P. (2022). Evaluation of knowledge attitude and practice towards refractive errors and its impact among healthy volunteers in urban and rural areas of Kanyakumari district. *International Journal of Health Sciences*, 6(S3), 4412–4427. <https://doi.org/10.53730/ijhs.v6nS3.6823>
31. Kumar, S. N., & Geetha, P. (2022). A conspectus on physical condition and quality of life: Geriatric's over globe. *International Journal of Health Sciences*, 6(S3), 4460–4466. <https://doi.org/10.53730/ijhs.v6nS3.6827>.
32. Tanguturi Arun Kumar, P. Geetha. Design and Characterization Of Rutaecarpineloaded Chitosan Nanoparticles. *ECB*. 2022; 11(5): 1-9. doi:10.31838/ecb/2022.11.05.001.
33. J. Praveen Kumar, P. Geetha. Efficacy of Anticancer Bio-Active Compound through the Natural Tribe Castalin. *NeuroQuantology*, July 2022 .20(8), 6727-6737|doi: 10.14704/nq.2022.20.8.NQ44697.
34. Tanguturi Arun Kumar, P. Geetha. Rutaecarpine Loaded PLGA Nanoparticles Prepared Using Oil-in-Water Emulsion Solvent Evaporation Method. *NeuroQuantology | June 2022 | Volume 20 | Issue 6 | Page 294-303 | doi: 10.14704/nq.2022.20.6.NQ22033*.
35. KALIDAS S, GEETHA P. The Novel Polymeric Nanocarrier Containing Astragalin Displays The Hepatoprotective Effect Against Ccl4-Induced Liver Injury In Vivo. *ECB*. 2022; 11(6): 1-6. doi:10.31838/ecb/2022.11.06.001.
36. Drishya Nagaraj, P. Geetha. Evaluation of knowledge, attitude and practice towards acne vulgaris among college students in Chennai. Vol: 27 Issue: 01: 2023.PP 1752-1761.
37. P.I. Ashika, dr. P. Geetha\*.Evaluation of knowledge, attitude and practice in relation to non-communicable diseases -a community-based study on Kanyakumari district. Vol: 27 Issue: 01, 2023.PP 1721-1732.
38. Riyaz Khan.A, Geetha.P \*.Cardiac Autonomic Neuropathy-An Overview. Riyaz Khan.A, Geetha.P \*. Vol: 27 Issue: 01: 2023.PP 1488-1496.
39. Pranyini D, Prissilla Merlin S, Rakshana S, Sandhya A M, P Geetha\*,Therapeutical and operational factors influencing the duration of antibiotic treatment in cellulitis patients.*Eur. Chem. Bull.* 2023, 12(Special Issue 4), 10673-10685.
40. NSAID-Induced Adverse Events: Mechanisms,Contributing Factors, and Implications for Patient Safety.B.T. Udhaya Moorthi,S.Mukesh,S. Vignesh, V. Sivashankar, P. Geetha.*Eur. Chem. Bull.* 2023,12(Special Issue 1, Part-B), 4698-4708

### **BOOK CHAPTER PUBLISHED**

- Strategic Principles for Prevention of Future Contagious and Communicative Diseases.Fundamental of Health and Basic Health Care System Volume – 3. AkiNik Publications.New Delhi.

### **BOOK PUBLISHED**

- Safety and effectiveness of cefoperazone sulbactam vs piperacillin tazobactam in chronic kidney patients- a prospective study. Geetha,P, Ashika P.L,Dhana Sekar R, Lap Lambert book publishing.ISBN number: 978-620-6-17971-9.

### **Working Papers / Projects**

- CCl4 -Induced Liver Fibrosis in Rats: Protective role of Astragalgin Nanoparticles

### **ACADEMIC/INDUSTRY EXPERIENCE**

<b>S.No.</b>	<b>Name of the Institution/Industry</b>	<b>From</b>	<b>To</b>	<b>Years of Experience</b>
1.	Faculty of Pharmacy, Dr MGR Educational and Research Institute, Velappanchavadi, Chennai-600077	1 <sup>st</sup> June 2023	Till date	5 Months
2.	Associate Professor, Vels Institute of Science, Technology and Advanced Studies, Chennai.	2nd July 2018	31st May 2023.	4 years & 10 months
3.	Associate Professor, Jaya College of Pharmacy	6th Nov 2017	June 2018	8 months
4.	Assistant Professor, Vels Institute of Science, Technology and Advanced Studies, Chennai.	8th October 2015	4th Nov 2017	2 years & 1 month
5.	Associate Professor, Jaya College of pharmacy	March 2008	7th October 2015	7 Years and 7 months
6.	Senior analytical chemist, Bafna pharmaceuticals Ltd	Apr2004	Mar 2006.	2 Years
7.	Senior analytical chemist, Astoria Research and Analyticals, Chennai	June 2002	Jan 2004.	1 year and 8 months
8.	Analytical chemist, Hygeia drugs, Madurai	Oct 1999	June 2001.	1 year and 9 months

### **OTHER PROFESSIONAL EXPERIENCES**

- Worked as a Coordinator, Hospital activities for the Pharm.D students posted in ESIC hospitals, Ayanavaram and St'Isabels Hospital, Mylapore, Chennai.
- Worked as an Overall Coordinator of the M.Pharm Pharmacy Practice program, Vels Institute of Science, Technology and Advanced Studies.
- Worked as a Research supervisor for Ph.D Scholars at VISTAS and completed viva voce examination for 2 Research Scholars.

### **PROFESSIONAL MEMBERSHIP**

- Life member of Indian Pharmacists association.
- Association of Pharmacy Professionals

## **ACHIEVEMENTS AND AWARDS**

1. Women young scientist award by Indian Pharma Educational Society (IPES), India in collaboration with Pharmatutor held on December 30, 2021.
2. Faculty Excellence Award 2022-by VISTAS.
3. Best presentation award by VISTAS (ICCPFR-2022) on March 18 and 19, 2022.
4. Best presentation award by Chettinad Academy of Research and Education on November 5, 2022.
5. G.Rangachari Memorial (PG Pharmacy Fellowship) Award 2022-2023.

## **PATENTS**

1. Bed cum wheelchair with elevator. Design No. : 378200-001.
2. Preparation and evaluation of Castalin loaded PLGA Nanoparticles and their anticancer activity- Application No-202341047944