

FACULTY DATABASE

Name: Dr.B.GEETHA

Designation: ASSISTANT PROFESSOR

Mail Id:geetha.pharm@drmgrdu.ac.in

Area: Pharmacy

SPECIALIZATION: Pharmaceutical Chemistry

Affiliation: Dr.M.G.R. Educational and Research Institute, Deemed to be University, Maduravoyal, Chennai – 600095, Tamil Nadu



EDUCATION

Sl.No.	Course	Department	Affiliation
1	Ph.D	Pharmaceutical Chemistry	Sri Venkateswara College of Pharmacy/JNTUA
2	M.Pharm	Pharmaceutical Chemistry	Sri Padmavathi School of Pharmacy/JNTUA
3	M.S (Master of Science)	General Chemistry	Texas A & M University, Texas, USA
4	B.Pharm	-	Annamacharya College of Pharmacy/JNTU

OTHER DETAILS

Courses:Pharmaceutical Organic Chemistry (Theory & Lab)

Pharmacognosy-Lab

Intellectual Property Rights

Medicinal Chemistry-I & II

OBJECTIVE STATEMENT /Research Interest:

- Organic synthesis of compounds by using Green Chemistry.
- Insilico studies of compounds using different software.
- Designing, synthesis, Characterization and biological screening of various compounds.
- Qualitative and quantitative Analysis of drugs.
- Isolation of natural products.

Publications

Published

1. Geetha.B, Sharmili.P, Esther Rani.E, Haripriya.A, Nandhini.M, Yuvashri.N, Harikrishnan.N, "PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR GAMMA(PPAR- γ): A POTENTIAL TARGET FOR TYPE 2 DIABETES MELLITUS", International Journal of Pharmaceutical Research, 13 (3), 2021, 1451-1456.
2. B. Geetha, G. Swarnalatha, G.V. Subba Reddy, "MICROWAVE ASSISTED SYNTHESIS, QSAR AND MOLECULAR DOCKING STUDIES OF 2,4-THIAZOLIDINEDIONE DERIVATIVES", Rasayan Journal of Chemistry, 12(3), 2019, 1064-1071.
3. B. Geetha, G. Swarnalatha, G.V. Subba Reddy, "MOLECULAR DOCKING AND QSAR STUDIES OF NOVEL 2,4 THIAZOLIDINEDIONE BASED BENZYLAMINE DERIVATIVES AGAINST PPAR γ (1ZGY) AS ANTI-DIABETIC AGENTS", International Journal of Pharmaceutical Research, 11(2), 2019, 363-369.
4. B. Geetha, G. Swarnalatha, G.V. Subba Reddy, "BIOLOGICAL EVALUATION OF SYNTHESISED THIAZOLIDINEDIONE DERIVATIVES FOR ANTI-DIABETIC ACTIVITY ON STZ CAUSED DIABETES IN RATS", International Journal of Research in Pharmaceutical Sciences, 10(2), 2019, 1042-1048.
5. B. Geetha, V. Gunasekaran, G.V. Subba Reddy, "THIAZOLIDINEDIONE DERIVATIVES AS ANTIDIABETIC AGENTS: A SHORT REVIEW", International Research Journal of Pharmacy, 9(2), 2018, 1-6.
6. B. Geetha, "ISOLATION AND BIOACTIVITIES OF CYNODON DACTYLON: A CASE STUDY", International Journal of Scientific Research, 4(9), 2015, 357-360.
7. B. Geetha, "PLURIPOTENT STEM CELLS FOR VASCULAR DISEASE THERAPY", International Research Journal of Pharmacy, 6(9), 2015, 602-604.
8. B. Geetha, "SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITY EVALUATION OF SOME 2-(1,1-DIMETHYL GUANIDINYL)-4,5-DIARYL IMIDAZOLES", International Journal of Current Trends in Pharmaceutical Research, 3(6), 2015, 1093-1098.

Working Papers/PROJECTS

1. Geetha Birudala, Andrew Petrou, Datta V. Naik, and Gregory A. Moehring, "CHIRAL AMINE LIGANDS AT RHENIUM(V) PENTAHYDRIDE COMPLEXES ALLOW FOR CHARACTERIZATION OF AN ENERGETICALLY ACCESSIBLE AND REVERSIBLE STERIC INVERSION OF DIASTEREOTOPIC PHOSPHORUS ATOMS", Inorganica Chimica Acta (Accepted) Manuscript No: ICA-D-21-01093.

2. Geetha Birudala, Swarnalatha Dugasani, Nagendra Babu Mennuru and Vinod Kumar Nelson, “ Bioactives and Pharmacology of Premna herbacea Roxb. (Family: Lamiaceae)”, Apple Academic Press (In Production) Publishing on June 2022.

ACADEMIC EXPERIENCE

S.No.	Name of the Institution	From	To	Years of Experience
1.	Faculty of Pharmacy, Dr.M.G.R Educational and Research Institute	Nov 2020	Till Date	1 year
2.	Sri Venkateswara College of Pharmacy	Dec 2015	Nov 2020	5 years

OTHER PROFESSIONAL EXPERIENCES

1. Internet: Information searching and retrieval using various medical search engines viz., Google scholar, Science Direct, PubMed etc.,
2. MS-Office (word, Excel, Power point)
3. Ability to handle various software and computer programs related to biological activity and toxicity prediction such as PASS, Molinspiration, Osiris, ECOSAR, GUSAR etc.,

ACHIVEMENTS AND AWARDS

1. Received Welch scholarship from Texas A&M University, USA.
2. Stood first place in oral presentation of Annual symposium in Texas A & M University, Kingsville, Texas.
3. Stood second place in poster presentation of 7th Annual Symposium in Texas A & M International University, Laredo, Texas.