



Dr. SOUMYA VASU
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Faculty of pharmacy
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Personal Profile

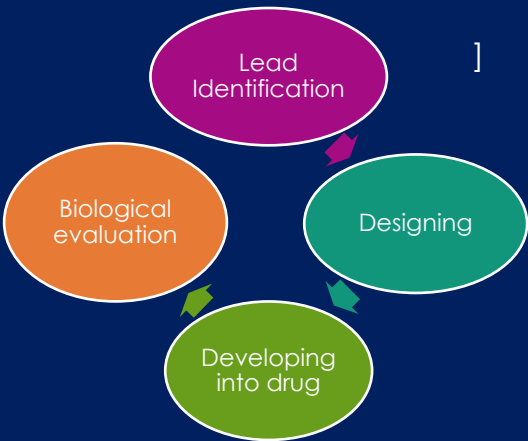
H INDEX-10

PhD/Post Doc supervision slots available: 2

I am an Assistant professor at the Department of pharmaceutical chemistry
With a teaching experience of 15 years. My research is focused on developing drugs from synthetic and natural origin with integrated computational approaches such as shape similarity, pharmacophore mapping, docking and dynamic studies. My thrust areas of research are PCOD, hyperandrogenism and diabetes. Apart, I actively participate in administration works. I have received an intramural research fund of 1 lack through GATE for a PCOS related study.
Currently, I am working on intervening the role of the enzyme PIN 1 in the disease pathology of cancer and diabetes.

Research Interests

- Role of PIN I in diabetes
- Role of PIN I in Cancer
- Steroidogenesis and PCOD
- Drug design and development



Lab Members

Present
PhD Scholars

- Meeramol c chellan – A full time scholar working on PIN I and diabetes
- Soniya K Naik –A part time scholar working on PIN1 and cancer
- Hemalatha YR – A part time scholar working on enhancing the bioavailability Of certain dosage forms

GATE PROJECT- L Naveen a post graduate student is working on title Effect of Homolanistadiene on steroidogenesis-A PCOS relevant study.



KEY PUBLICATIONS

1.Soumya.V, Meeramol C Chellappan, Kathiravan S, Shriram M-Beneficial Effect of PIN1 Inhibition on diabetes mellitus- A concise review- Endocrine Metabolic and Immune Disorders -Drug Target . Ahaed of print.

2. Soumya V, Deepa S, Thachil KK, Saravanan J, Hariprasad R. GC-MS analysis and in silico docking of constituents of Cinnamomum malabattrum against CYP450 17 α and CYP450 19 (Aromatase)-Key targets for hyperandrogenism. Drug Research. 2023 Oct;73(08):441-7.

3.Chakkittukandiyil A, Chakraborty S, Kothandan R, Rymbai E, Muthu SK, Vasu Soumya, Sajini DV, Sugumar D, Mohammad ZB, Jayaram S, Rajagopal K. Side effects-based network construction and drug repositioning of ropinirole as a potential molecule for Alzheimer’s disease: an in-silico, in-vitro, and in-vivo study. Journal of Biomolecular Structure and Dynamics. 2023 Sep 13:1-5.

4.Sugumar D, Rymbai E, Vasu Soumya, Selvaraj D. Nuclear receptors and other molecular targets in type 2 diabetes mellitus. Journal of Applied Pharmaceutical Science. 2023 Jul 4;13(7):085-101.

5.Rymbai E, Sugumar D, Krishnamurthy PT, Selvaraj D, Vasu Soumya, Priya S, Jayaram S. A preliminary study to identify existing drugs for potential repurposing in breast cancer based on side effect profile. Drug Research. 2023 Mar 6:296-303.

6. V. Soumya* et al., A Review on Pharmacological Screening Methods For Experimentally Induced Poly Cystic Ovarian Disease (PCOD). Indian Drugs, 58 (07),7-21, 2021. Impact factor-0.13 (Scopus).