


## DOCTOR OF PHILOSOPHY

<b>Name:</b> YELE VIDYASRILEKHA	
<b>Department:</b> Pharmaceutical Chemistry	
<b>Contact Address:</b> 9491249077	
<b>Email ID:</b> vidyasrilekha11@gmail.com	

**Educational Qualification: M. Pharm/M.Sc/M.Tech:** M.Tech(Pharma)

**Year of Registration:** 2018

**Project Supervisors:** Dr. Md. Afzal Azam

### Research Abstract

Bacterial resistance is associated with high morbidity and mortality which demands search for new antibacterial agents. The ATP dependent bacterial ParE enzyme is an attractive target for development of antibacterial agents. In present study structure based *in silico* HTVS screening will be performed using the available 45 lakhs data base compounds. Virtual hits will be optimized, new designed molecules will be synthesized and characterized by spectral data. Synthesized compounds will be subjected to antibacterial screening, Time-kill study, Efflux activity evaluation, *in vitro* ParE inhibitory activity and genotoxicity. From data set 3D-pharmacophore models will be generated to optimize the lead molecules.

**Fellowships: Govt-** AICTE-NDF

### Awards & Scholarships

- CGPA of 10/10, M.Tech (Pharm), Process Chemistry
- GPAT-2016: Secured All-India rank of 279 among over 30,000 candidates
- NIPER-JEE 2016: Secured All-India rank of 417 among over 3000 candidates
- Medal for Academic Excellence in B.Pharmacy

**Way Forward: (Drop few line (NMT 50 words) to describe where do you position yourself in 5 years)**

I'd like to be seen as postdoctoral fellow with deep expertise in the field of chemistry. I strive to achieve excellence in research field and work in a reputed institution which support my skills and encouraging research environment.