


<p>Name : Selvaraj Ayyamperumal</p> <p>Department : Pharmaceutical Chemistry</p> <p>Contact Address: Dept. of Pharm. Chemistry JSS College of Pharmacy PB No-20, Rocklands Ooty-643001</p> <p>Email ID : selphd@jssuni.edu.in</p>	
---	--

Educational Qualification : M.Sc and M.Tech

Year of Registration : October 2015

Project Supervisor : Prof. MJN Chandrasekar

Research Abstract :

Recently, it has been reported that the δ -carboline and its analogues interfere with topoisomerase II enzyme activity (annealing, supercoiling of DNA, winding and unwinding of the supercoiled DNA) causing the inhibition of DNA transcription and further synthesis of the corresponding protein. They have also been found to inhibit DNA synthesis and have cytotoxicity towards B16 melanoma cells and M109 Madison lung carcinoma. Identification of promising antineoplastic activity of ellipticine and olivacine, tetracyclic compounds of the pyridocarbazole type, and the carbazole derivatives like staurosporine, indolocarbazoles, has stimulated considerable interest in the field of carbazole fused heterocyclic systems.

Fellowships : DBT-JRF (2014-2016), DBT-SRF (2016-2017),
JSSAHER Research Fellowship (2019), ICMR-SRF (2019-2020)

Awards & Scholarships :

- Worked as Junior Research Fellow (2014-2016) and Senior Research Fellow (2017) under DBT funded project at JSS College of Pharmacy, Ooty.
- Received four months traineeship at DBT- Bioinformatics Infrastructure Facility, University of Madras, Chennai.
- Selected for training programs at IIT Madras, IIT Delhi and JNU Delhi.
- Two research articles published and three articles presented at EMBL(Heidelberg), Iisc (Bengaluru), IITM(Chennai).

Way Forward:

I will contribute myself to achieve excellence in research in the field of drug discovery.