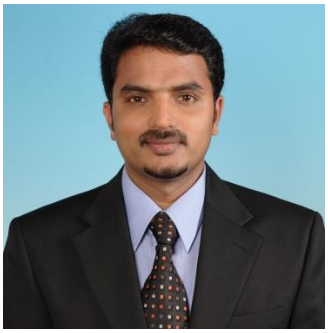
Name: **RAJENDIRAN K**

Department: Phytopharmacy

Contact Address: 3/91, Middle street, Eluthur po,
Cuddalore Dt, Tamilnadu – 606303, India

Email ID:goldeneditor@gmail.com



Educational Qualification: M. Pharm/M.Sc/M.Tech: **M Pharm**

Year of Registration: **2013**

Project Supervisors: **Dr SP Dhanabal**

Research Abstract (Not more than 100 words: Please work on this space creatively to brand your Portfolio):

Knowing the importance and severity of diabetic complication, in the present study the four antidiabetic plants were selected. Phytochemical investigations revealed that the bifunctional behavior of flavonoid derivatives having both antioxidant and glucosidase enzyme inhibitory activity can be considered as promising compounds in type 2 diabetes mellitus management. The antidiabetic potential of the plant extracts was proven by significant reduction in blood glucose level, lipid parameters, and significant increase in kidney marker enzymes in STZ induced diabetic mice model. The isolated compounds were subjected to *in silico* molecular docking studies against human maltase glucoamylase. Molecular properties are evident to consider the isolated compounds as drug-like candidates. The *in silico* toxicity profile revealed that the compounds are free from mutagenicity, carcinogenicity.

Fellowships: Govt/Non-Govt : **JSSU Junior Research Fellowship**

Awards & Scholarships (Top 5 of your achievements in short bullet points):

- Eight research papers published in Scopus indexed journal
- Four Research Papers Presented at national and international symposium
- Member, Research Coordination Council, JSS University, Mysore, 2012-2015
- Research Scholar Coordinator, JSS College of Pharmacy, Ooty, 2012 -2015
- Member of organizing committee and delegate in national and international symposium

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

I am looking forward myself as a known researcher in understanding the mechanism beneath the metabolic disorder and to mitigate the diabetic complications by discovering new drugs using ethnopharmacological approach and computational techniques.