

Name: A.Pandiselvi

Department: Pharmacology

Contact Address:

Research Scholar,
Department of Pharmaceutical Chemistry,
JSS college of Pharmacy,
Ooty.

Email ID: avpsjul14@gmail.com



Educational Qualification: M. Pharm (Pharmacology)

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Project Supervisors:

Guide/ supervisor: Dr. R. Kalirajan, Dept; pharmaceutical chemistry, JSS college of Pharmacy.

Internal Expert: Dr.Praveen T.K, Dept; Pharmacology, JSS college of Pharmacy,

External Expert: Dr. Ramanathan, Principal, PSG college of Pharmacy, Coimbatore.

Research Abstract

Breast cancer is one of the major malignant neoplasms affecting the female population. Current cancer chemotherapy poses several challenges like tumour resistance and inadequate selectivity between tumour and normal cells leading to side effects. The biologically important Acridine and its derivatives have shown significant inhibition against breast cancer cell lines. Reports have demonstrated acridine derivatives to show DNA intercalation, topoisomerase II inhibition and HER-2 antagonism. Based on these assumptions, other breast cancer targets shall also be elucidated by in silico methods for the best target(s) mediating breast cancer cytotoxicity for acridine derivatives with 5/6 membered heterocyclic moieties incorporated in the 9th position of the acridine nucleus.

Fellowships: Govt: QIP (AICTE)

Way Forward:

Want to be a popular and favourite researcher or Academician and contributing my scientific knowledge and service to society.