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**Educational Qualification:** Pharm.D, PGDBI.

**Year of Registration:** 2018

**Project Supervisor:** Dr. V.Senthil  
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**Research Abstract:**

Anticoagulants play an important role in the management of different thromboembolic diseases. The conventional antithrombotic prophylaxis agent is a vitamin K antagonist like warfarin. Until recently, warfarin was the only oral anticoagulant option available for the prevention and treatment of VTE (Venous Thromboembolism), as well as for the prevention of stroke in patients with AF (Atrial Fibrillation). Warfarin has a narrow therapeutic window; inter patient variability in dose response, slow onset and offset of action, and extensive drug and food interactions remain a concern regarding its use. Recently, direct oral anticoagulants (DOAC) have been developed as alternatives to vitamin K agonists. It has been reported that DOAC such as direct thrombin inhibitors and factor Xa inhibitors are associated with lower risks of stroke and bleeding than vitamin K agonists. DOAC provide rapid onset of action and do not require regular monitoring. It is reported from RE-LY trails that genetic variants could contribute to Interindividual variability in blood concentrations of DOAC and influence their safety and efficacy. This kind of research in field of Pharmacogenomics of DOAC is lacuna in the Indian context which influences our research to fill up the gap particularly in South Indian context.

**Fellowships:**

I have applied for JSS AHER Research Fellowship & UGC- National Fellowship.

**Way Forward:**

I'd like to be seen as Post- doctoral fellow with deep expertise in the field of Pharmacogenomics.